

**James Fraser Stoddart**

**Curriculum Vitae**

**Full Version**

**Evanston IL**

**June 2020**

## Curriculum Vitae: Full Version

**NAME:** James Fraser STODDART  
**DATE OF BIRTH:** 24 May 1942  
**PLACE OF BIRTH:** Edinburgh/Scotland  
**NATIONALITY:** American and British  
**MARITAL STATUS:** Widowed with 2 daughters  
**HOME ADDRESS:** 2720 Noyes Street, Evanston, IL 60201-2072  
**HOME TELEPHONE:** +1 847 864 0129  
**WORK ADDRESS:** Department of Chemistry, 2145 Sheridan Road  
Northwestern University, Evanston, IL 60208 USA  
**WORK TELEPHONE:** +1 847 491 3793  
**WORK FAX:** +1 847 491 1009  
**E-MAIL:** stoddart@northwestern.edu



### QUALIFICATIONS:

B Sc (Edinburgh) in Chemistry 1964  
Ph D (Edinburgh) with Thesis entitled:  
**Some Studies on Plant Gums of the *Acacia* Genus**  
(Research Supervisors: Professor Sir Edmund Hirst & Dr D M W Anderson) 1966  
C Chem FRIC (became FRSC in 1980) 1978  
D Sc (Edinburgh) with Thesis entitled:  
**Some Adventures in Stereochemistry** 1980

### AWARDS / FELLOWSHIPS / LECTURESHIPS:

Hope Prize in Chemistry (Edinburgh) 1964  
Carbohydrate Chemistry Award of the Chemical Society 1978  
RSC Perkin Division Career Awards 1980/1/2  
Middle Rhine Lecturer 1982  
Leverhulme Research Fellowship 1986/7  
Leverhulme Research Fellowship 1988/9  
Distinguished Lecturer (18th Leermakers Symposium/USA) 1990  
Pfizer Lecturer (Ohio State University/USA) 1991  
Lauderman Memorial Lecture (Washington University/USA) 1991  
Du Pont Lecturer (Berkeley/USA) 1991  
Ernest Ritchie Memorial Lecturer (Sydney University Chemical Society/Australia) 1992  
Walter J Chute Lecturer (Dalhousie University/Canada) 1992  
Atlantic Coast Lecturer (University of Maryland/Virginia Polytechnic/ Duke University/University of South Carolina/University of Miami) 1993  
First Janssen Lecturer (Strasbourg University/France) 1993  
International Izatt-Christensen Award in Macrocyclic Chemistry 1993  
Walker Memorial Lecture (Edinburgh University/Scotland) 1994  
Fellowship of the Royal Society of London 1994  
Chaire Bruylants Award (University of Louvain La Neuve/Belgium) 1994  
Sixth Henry G Kuivila Lecturer (State University of New York, Albany/USA) 1994  
Adolf Steinhof Foundation Award (University of Kaiserslautern/Germany) 1995  
Sandoz Foundation Lecturer (University of Regensburg/Germany) 1995  
Miles (Bayer) Lecturer (University of Cornell/USA) 1995  
Abbott Lecturer (University of Chicago/USA) 1995  
Wilson Baker Lecturer (University of Bristol) 1995  
Regents Endowed Memorial Lecturer (University of Texas at Austin/USA) 1996  
Bernard Belleau Memorial Lecturer (McGill University, Montreal/Canada) 1997  
Leo H Sternbach Lecturer (Yale University/USA) 1997  
Hutchison Memorial Lecturer (University of Rochester/USA) 1997  
Soong Sil Lecturer (Soong Sil University, Seoul/Korea) 1997  
Castle Lecturer (Brigham Young University/USA) 1998

Bio-Mega Lecturer (University of Alberta/Canada)	1998
Humboldt Fellowship	1998
Fred Pattison Senior Lecturer (University of Western Ontario, Canada)	1999
Cope Scholar Award (American Chemical Society)	1999
Fellowship of the German Academy of Natural Sciences, Leopoldina	1999
Samuel M McElvain Lecturer (University of Wisconsin at Madison)	2000
Industrial Associates Program Lecturer (Columbia University)	2000
Distinguished Visiting Scientist Series (Juniata College, Huntingdon PA)	2000
Green Lectureship (Texas Christian University)	2000
Merck Frosst Lectureship (Simon Fraser University, Vancouver)	2000
Mitchum Warren Lectureship (Vanderbilt University, Nashville)	2000
Herbert Newby McCoy Award (UCLA)	2001
Barré Lectureship (University of Montréal)	2001
Robert B Murray Lectureship (University of Missouri-St Louis)	2002
Closs Lectureship (University of Chicago)	2002
Dains Lectureship (University of Kansas)	2002
Nieuwland Lectureship (University of Notre Dame)	2002
Liversidge Lectureship (University of Sydney)	2003
Spinks Lectureship (University of Saskatoon)	2003
Lansdowne Lectureship (University of Victoria)	2003
Wyeth Research Lectureship (University of Pennsylvania)	2004
Nagoya Gold Medal in Organic Chemistry (University of Nagoya)	2004
Carnegie Centenary Professorship at the Universities of Scotland	2005
American Chemical Society PMSE Division Arthur K Doolittle Award	2005
Honorary Professorship (East China University of Science and Technology)	2005
Honorary Doctor of Science Degree (University of Birmingham)	2005
Paul Gassman Lectureship (University of Minnesota)	2005
First Novartis Lectureship (ETH Zürich)	2005
University of Edinburgh Alumnus of the Year 2005 Award	2005
Fellowship of the American Association for the Advancement of Science	2005
Karcher Lectureship (University of Oklahoma)	2006
Mack Memorial Award (Ohio State University)	2006
Foreign Membership of the Royal Netherlands Academy of Arts and Sciences	2006
Criegee Lectureship (University of Karlsruhe)	2006
Fuson Award (University of Nevada)	2006
Honorary Doctor of Science Degree (University of Twente)	2006
Appointed Knight Bachelor by HM Queen Elizabeth II	2007
King Faisal International Prize in Science	2007
Mathers Lectureship (University of Indiana)	2007
HC Brown Lectureship (Purdue University)	2007
Tetrahedron Prize for Creativity in Organic Chemistry	2007
Feynman Prize in Nanotechnology (Experimental)	2007
Izatt Christensen Lectureship (Brigham Young University)	2007
Arthur Fry Lectureship (University of Arkansas)	2007
Albert Einstein World Award of Science	2007
Gooch-Stephens Lectureship (Baylor University)	2008
Morgan Science Lectureship (Appalachian State University)	2008
Peter B Sherry Memorial Lectureship (Georgia Institute of Technology)	2008
William D Smart Lectureship in Chemistry (University of West Florida)	2008
Arthur C Cope Award (American Chemical Society)	2008
Honorary Fellowship of the Royal Society of Edinburgh	2008
Honorary Doctor of Science Degree (University of Sheffield)	2008
Davy Medal of the Royal Society of London	2008
Armes Lectureship (University of Manitoba/MB/Canada)	2009
Donald Davis Memorial Lectureship (University of New Orleans)	2009
Honorary Doctor of Science Degree (Trinity College Dublin)	2009

Chatt Lectureship (John Innes Centre/Norwich/UK)	2009
ISNSCE Award at FNANO 2010	2010
Honorary Doctor of Science Degree (St Andrews)	2010
Royal Medal of the Royal Society of Edinburgh	2010
Undergraduate Chemistry Council Teacher of the Year (Northwestern University)	2011
Honorary Fellowship of the Royal Society of Chemistry	2011
Fellowship of the American Academy of Arts and Sciences	2012
Honorary Professorship (Jilin University)	2012
Distinguished Citizen Award from the Illinois St Andrews Society	2012
Henry Dreyfus Chemistry Lectureship (Dartmouth College)	2013
Cava Lectureship (University of Alabama)	2013
Birch Lectureship (Australian National University)	2013
IChemE North America Chemical Engineering Project Award for Innovation from the Institute of Chemical Engineers	2013
William G Dauben Lectureship (UC Berkeley)	2014
Vista Lectureship (University of Texas, Austin)	2014
Membership of the National Academy of Sciences	2014
Centenary Prize from the Royal Society of Chemistry	2014
Alan G MacDiarmid Medal Lecture (University of Pennsylvania)	2014
Honorary Professorship (Nottingham University)	2015
Douglas G Hill Memorial Lecture (Duke University)	2016
The Durham Lectures (University of Durham)	2016
Haworth Memorial Lecture (Royal Society of Chemistry)	2016
Ullyot Public Lecture (Chemical Heritage Foundation/Philadelphia)	2016
Nobel Prize in Chemistry (Royal Swedish Academy of Sciences)	2016
Zhu Kezhen Distinguished Lectureship (Zhejiang University)	2017
Krebs Lecture (University of Sheffield)	2017
SAFEA International Teacher of the Year (Peking University)	2017
Nanyang Chemistry Distinguished Lectureship	2017
Great Immigrants for 2017 (Carnegie Corporation of New York)	2017
Honorary Doctor of Science Degree (University of Nottingham, UK)	2017
Scottish Innovation Award (Baird of Bute Society)	2017
The Friends of Larry Taylor Lectureship (Virginia Tech)	2017
Second Netherlands Award for Supramolecular Chemistry	2017
Galileo Lecture (University of Padua, Italy)	2017
Centennial Lectureship (University of Texas, El Paso)	2018
Apeloig Lecture (Technion, Haifa, Israel)	2018
Inaugural Walter A Szarek Lectureship (Queen's University / Canada)	2018
President's Lecture (University of Montana, Missoula)	2018
Foreign Membership of the Chinese Academy of Sciences	2018
Doctor Honoris Causa (Universidad Autonoma Madrid, Spain)	2018
Sir Jesse Boot Foundation Lecture (University of Nottingham, UK)	2018
Honorary Membership of the European Academy of Sciences and Arts	2018
Fellowship of the Royal Society of New South Wales	2018
Honorary Professorship of Yang Shixian Forum (Nankai University, China)	2018
Howard Nobel Lecture (University of New South Wales, Australia)	2018
Makhlouf Haddadin Lectureship (American University of Beirut, Lebanon)	2018
Honorary Doctor Degree (Yerevan State Medical University)	2018
Honorary Doctor of Science Degree (University of Southern Denmark)	2018
Samuel Weissman Lecture (Washington University, St Louis)	2018
Sir James Irvine Memorial Lecture (St Andrews University, UK)	2018
Mitchum E Warren Jr Lecture (Vanderbilt University, Nashville)	2018
Mautner Memorial Lectures (University of California, Los Angeles)	2018
Science and Technology Cooperative Award (Chinese Government)	2019
Honorary Doctor Degree (University of Brasilia, Brazil)	2019
Walter H Coulter Lecture (PITTCO, Pittsburgh)	2019
Rathore Memorial Lecture (Marquette University, Milwaukee)	2019

Albert A Michelson Lecture (US Naval Academy, Annapolis)	2019
Frank C Mathers Lecture (Indiana University, Bloomington)	2019
Kentucky Derby Lecture (University of Louisville)	2019
Mendel Lecture (Augustinian Abbey, Brno, Czech Republic)	2019
Giulio Natta Lecture (Politecnico di Milano, Italy)	2019
Thomas A Edison Memorial Lecture (Naval Research Laboratory, DC)	2019
National Academy of Inventors	2019
ICI Distinguished Lecture Series (University of Chicago)	2019
Robert Damruer Lectureship (University of Colorado Denver)	2019
Watkins Lectureship (University of Kansas)	2019
Dodge Lectureship (Yale University)	2019
Science and Technology Award (Chinese Government)	2019
Fellowship of the American Chemical Society	2019
Chemistry of Europe Fellowship	2019

#### EARLY EDUCATION:

Melville College/Edinburgh	1950-60
University of Edinburgh	1960-66
(a) Undergraduate Student (1960-64) reading <b>Chemistry</b> /Physics/ Mathematics/Biochemistry	
(b) Postgraduate Research Student (1964-66) in the late Professor Sir Edmund Hirst's Carbohydrate School	

#### POSTDOCTORAL RESEARCH FELLOWSHIPS:

National Research Council of Canada Postdoctoral Fellowship with the late Professor J K N Jones in the Department of Chemistry/Queen's University/Kingston/Ontario	1967-69
ICI Research Fellowship with the late Professor W D Ollis in the Department of Chemistry/University of Sheffield	1970

#### RESEARCH AND TEACHING APPOINTMENTS:

<b>Lecturer in Chemistry/University of Sheffield</b>	1970-82
Visiting Lecturer /Department of Biochemistry/University of Parana/ Curitiba/Parana/Brazil	1972
Science Research Council Senior Visiting Fellowship with Professor D J Cram in the Department of Chemistry/University of California at Los Angeles	1978
<b>Secondment</b> for three years to join the Catalysis Group headed by Dr W Hewertson <b>at the ICI Corporate Laboratory/Runcorn</b> under the auspices of the Science Research Council Cooperative Research Scheme	1978-81
Visiting Professorship/Texas A & M University	1980
<b>Reader in Chemistry/University of Sheffield</b>	1982-91
Visiting Professorship/University of Messina (Sicily)	1986-88
Visiting Professorship/Ecole Nationale Supérieure de Chemie de Mulhouse Convention Intercantonale Romande d'Enseignement du 3e Cycle en Chemie (Bern/Fribourg/Lausanne/Switzerland)	1987
<b>Professor of Organic Chemistry/University of Birmingham</b>	1988
Honorary Professor of Chemistry/University of Birmingham	1990-97
<b>Head of the School of Chemistry/University of Birmingham</b>	1993-97
<b>Saul Winstein Professor of Organic Chemistry/UCLA</b>	1997-03
<b>Director of the California NanoSystems Institute</b>	2002-07

<b>Fred Kavli Professor of NanoSystems Sciences/UCLA</b>	2003-07
<b>Board of Trustees Professor of Chemistry/Northwestern University</b>	2008-
<b>Director of the Center for the Chemistry of Integrated Systems (CCIS) / Northwestern University</b>	2010-17
<b>Chief Technology Officer of PanaceaNano</b>	2014-19
<b>Chief Technical Officer of Cycladex</b>	2014-
<b>Thousand Talent Scholar at Tianjin University</b>	2014-
<b>Visiting Professor of Chemistry / University of New South Wales</b>	2018-

**ADMINISTRATIVE EXPERIENCE:**

**(1) Sheffield University**

Organic Chemistry Representative on Departmental Academic Development Committee	1972-73
Organic Chemistry Representative on Departmental Safety Committee	1973-75
Organic Chemistry Representative on Staff-Student Committee	1974-77
Organic Chemistry Representative on NMR Committee	1978-90
Organiser of the Organic Discussion Group Meetings at ICI Corporate Lab	1978-81
Departmental Representative on the Science Faculty Board	1981-84
Organic Chemistry Representative on Departmental Standing Group on Computing Facilities	1982-86
Departmental Research Committee	1988

**(2) Birmingham University**

Chairman of Science Faculty Industrial Liaison Panel	1991-94
Member of Science Faculty Research Committee	1991-97
Chairman of Chemistry Futures Group	1992-93
Postgraduate Prospectus Production Vice-Chancellor's Special Advisor	1992
Future Vice-Chancellor Selection Panel	1995

**(3) University of California, Los Angeles**

Member of the Departmental Awards Committee	1997-99
Member of the Departmental Library Committee	1998-99
Member of the California NanoSystems Institute	2000-
Acting Co-Director of the California NanoSystems Institute	2002-03
Member of the Postdoctoral Advisory Committee	2002
Director of the California NanoSystems Institute	2003-07
Member of the Research Advisory Council for UCLA	2004-06
Member of the Materials Creation Training Program	2004-07
Member of the Departmental Awards Committee	2007

**(4) Northwestern University**

Member of the Integrated Molecular Structure Education and Research Center Planning Committee	2008-10
Member of Department of Chemistry Awards Committee	2008-12
Member of Institute for Bionanotechnology in Medicine	2008-12
Member of Robert H Lurie Comprehensive Cancer Center	2008-12
Member of Materials Research Science and Engineering Center	2008-11
Director of the Center for the Chemistry of Integrated Systems	2010-17
Member of Senior Hire Search Committee	2010-12
Chair of the Faculty Honors Committee	2012-16
Member of Chair's Advisory Committee	2014-16
Member of the Faculty Honors Committee	2018-

**ADDITIONAL ACADEMIC ACTIVITIES:**

President of Sheffield University Student Chemical Society	1972-73
Vice-President of Sheffield University Student Chemical Society	1976-77
	1986-87
Vice-President of Birmingham University Student Chemical Society	1990-91 1991-92

**PROFESSIONAL SOCIETIES:**

The Royal Society of Chemistry (The Chemical Society)	1965-
The American Chemical Society	1971-
The Royal Society of London	1994-
The Royal Institution of Great Britain	1994-97
Germany Academy of Natural Sciences, Leopoldina	1999
The American Association for the Advancement of Science	2005
The Royal Netherlands Academy of Arts and Sciences	2006
Imperial Society of Knights Bachelor	2007
The Royal Society of Edinburgh	2008
The American Academy of Arts and Sciences	2012
The National Academy of Sciences	2014
The EU Academy of Sciences	2017
The Chinese Academy of Sciences	2018
The Royal Society of New South Wales	2018

**EXTERNAL EXAMINING:**

Several Ph D Theses at a number of Universities including Cambridge, Cork (Ireland), Durham, Imperial College London, Kent, King's College London, Liverpool, Madrid (Spain), Monash (Australia), New England (Australia), Newcastle, Oxford, Paris (France), Queen's University Belfast, Salford, Strathclyde and Sydney (Australia).

**SCIENTIFIC REFEREEING OF PUBLICATIONS:**

Communications, papers and reviews for Royal Society of Chemistry Publications (*Chem. Commun.*, *Chem. Soc. Rev.*, *J. Mater. Chem.*), American Chemical Society Publications (*Chem. Mater.*, *J. Amer. Chem. Soc.*, *J. Org. Chem.*, *Inorg. Chem.*, *Langmuir*, *Macromolecules*, *Nano Lett.*, *Org. Lett.*, *Organometallics*), *Adv. Mater.*, *Angew. Chem.*, *Canad. J. Chem.*, *Carbohydr. Res.*, *Chem. Eur. J.*, *Eur. J. Org. Chem.*, *Nature*, *Nature Chem.*, *Nature Commun.*, *Nature Nanotech.*, *Proc. Natl. Acad. Sci. USA*, *Science*, *Synlett*, *Synthesis*, *Tetrahedron*, *Tetrahedron Lett.*

**PEER REVIEWING OF RESEARCH GRANT APPLICATIONS:**

BBSRC • Camille Dreyfus Teacher-Scholar Award • EPSRC • National Board for Science and Technology in Ireland • National Institutes of Health • National Science Foundation • Petroleum Research Fund • National Science and Engineering Research Council in Canada • NATO • EEC (Stimulation Programme) • Australian Research Council • Dutch National Science Foundation • Israeli Research Council • Norwegian Research Council • Research Corporation • Sloan Foundation • Swiss National Science Foundation • Hong Kong Research Council • ACS Petroleum Research Fund • Netherlands Organization for Scientific Research

**SCIENTIFIC COMMITTEES AND OTHER PROFESSIONAL ACTIVITIES:**

Vice-Chairman RSC Carbohydrate Group	1987/8
Editor of RSC Monographs on Supramolecular Chemistry	1988-2008
Member of Editorial Board of Bio-Organic Chemistry Reviews	1987
Chairman of RSC Carbohydrate Group	1988/90
Guest Editor of Thematic Issue of Carbohydrate Research on Cyclodextrins	1988/89
Vice-Chairman of RSC Carbohydrate Group	1990/1
Member of SERC Molecular Electronics Futures Panel	1989-90

Member of Editorial Board of the <i>Journal of Inclusion Phenomena</i>	1989-95
Member of the Advisory Board of RSC <i>Journal of Materials Chemistry</i>	1990-95
Member of the Editorial Board of the RSC <i>Chemical Society Reviews</i>	1991-95
Member of the SERC Molecular Recognition Initiative Review Panel	1991-92
Member of the SERC Molecular Electronics Committee	1991-93
UK Representative on the NATO Special Programme on Supramolecular Chemistry	1991-94
UK Representative and Assistant Coordinator of the European Science and Technology Group	1991-93
Member of the Editorial Board of <i>Synthesis</i>	1991-97
Member of the SERC Carbohydrate Science Panel	1992
Member of SERC Chemistry Committee	1992-94
Member of SERC Biomolecular Sciences Subcommittee	1992-94
Member of the Editorial Board of Supramolecular Science	1993-98
Chairman of the NATO Special Programme on Supramolecular Chemistry	1994-97
Member of the EPSRC/BBSRC Biomolecular Sciences Subcommittee	1994-95
Member of the EPSRC Chemistry College	1994-97
Member of the International Advisory Board of <i>Angewandte Chemie</i>	1995-2013
Member of the Editorial Board of <i>Chemistry: A European Journal</i>	1995-
Member of the Scientific Advisory Board of the Center for Nanoscale Science and Technology at Rice University	1995-97
President of the Chemical Section of the British Association	1996
Member of the International Advisory Board of <i>Collection of Czechoslovak Chemical Communications</i>	1997-2010
Member of the Editorial Advisory Board of <i>Organic Letters</i>	1999-
Member of the Editorial Advisory Board of the <i>Journal of Organic Chemistry</i>	1999-2010
Member of the NSF Inorganic CAREER Panel	1999
Member of the NIH Medicinal Chemistry Study Section	2000
Member of the Editorial Advisory Board of <i>Crystal Growth and Design</i>	2000-08
Member of International Board of IUPAC Meeting in Ottawa	2002-03
Member of International Advisory Committee for Conference on Materials and Advanced Technologies in Singapore	2003
Member of the Scientific Committee of the Nanoworld Institute of the University of Genoa	2003
Associate Editor of <i>Organic Letters</i>	2003-05
Member of the ACS Executive Director's 2020 Committee	2004-14
Member of the Wolf Prize in Chemistry Committee	2004
Member of the Scientific Advisory Board of the Berkeley Lab Molecular Foundry	2007-12
Chairman of the NSF Chemistry Committee Workshop on Emergent Phenomena	2007
Editor-in-Chief of <i>Applied Nanoscience</i>	2010-
Member of International Advisory Board of <i>Chemistry World</i>	2013-
Member of International Advisory Board of <i>Macromolecular Rapid Communications</i>	2013-
Member of International Advisory Board of <i>ChemPlusChem</i>	2013-
Member of Editorial Advisory Board of <i>ChemSystemsChem</i>	2018-

## ORGANIZATION OF NATIONAL AND INTERNATIONAL CONFERENCES

1. Royal Society of Chemistry Carbohydrate Group Spring Meeting  
Sheffield: 13-16 April 1986  
**Contemporary Carbohydrate Chemistry** (Local Organizer)
2. Fourth International Symposium on Inclusion Phenomena  
Lancaster: 19-25 July 1986  
**Inclusion Phenomena** (Member of Local Organizing Committee)
3. Sheffield Industrial Forum, University of Sheffield  
Octagon Centre/Firth Hall: 29-31 October 1986  
**New Concepts and Innovations in Molecular Science** (Convener)



4. One-day Symposium of UK Macrocyclic Group  
Octagon Centre/Sheffield: 1 December 1986  
**Macrocyclic Chemistry** (Joint Organizer)
5. Half-day Meeting in Sheffield: 14 December 1987  
**Molecular Recognition with Macrocycles** (Joint Organizer)
6. Royal Society of Chemistry Carbohydrate Group Autumn Meeting  
Sheffield: 11-14 September 1988  
**Glycolipids in Molecular Recognition and Membrane Organisation** (Local Organizer)
7. SERC Workshop. Cambridge: June 1989  
**Glycoconjugates** (Joint Organizer)
8. Sixteenth International Symposium on Macrocyclic Chemistry  
Sheffield: 1-6 September 1991  
**Macrocyclic Chemistry** (Co-Chair)
9. First Birmingham Supramolecular Chemistry Symposium  
Birmingham: 13 December 1991  
**Supramolecular Chemistry** (Organizer)
10. Royal Society of Chemistry Fine Chemicals and Medicinal Group Symposium for Schoolteachers  
Birmingham: 23 September 1992  
**Invention and Innovation in Chemistry** (Chairman of Organizing Committee)
11. Second Birmingham Supramolecular Chemistry Symposium  
Birmingham: 11 December 1992  
**Supramolecular Chemistry** (Organizer)
12. Third Birmingham Supramolecular Chemistry Symposium  
Birmingham: 20 December 1993  
**Supramolecular Chemistry** (Organizer)
13. Royal Society of Chemistry Perkin Division Symposium  
Birmingham: 24-29 July 1994  
**Recognition Processes** (Co-Chair)
14. Royal Society of Chemistry/Joint Dalton/Perkin Divisions Meeting  
Birmingham: 14 March 1996  
**Contemporary Aspects of Photochemistry** (Organizer)
15. British Association Meeting - Chemistry Section  
Birmingham: 9-13 September 1997 (President)
16. CNSI Nanotriangle Meeting (Organizer)  
Marriott/Marina del Rey: 9 July 2005
17. CNSI NanoSystems Poster Day 2002 (Organizer)  
UCLA Faculty Center: 17 September 2002
18. UCLA NanoSystems Symposium & First Cram Debate (Organizer)  
UCLA Faculty Center: 20 September 2005
19. International NanoSystems Symposium (Organizer)  
UCLA Sunset Village De Neve Plaza: 13 December 2003
20. Norma Stoddart Memorial Symposium (Chair)  
UCLA Department of Chemistry and Biochemistry: 22-26 June 2004
21. Fifth International Dendrimer Symposium (IDS-5) (Co-Organizer)  
Mount Pleasant MI: 17-21 May 2005
22. XVII International Conference on Organic Solid State (Co-Organizer)  
UCLA Sunset Village De Neve Plaza: 24-29 July 2005
23. CCIS Memorial Day Weekend Symposium : Chemistry for the Next Generation by the Next Generation  
Northwestern University: 28-20 May 2010
24. CCIS Victoria Day Weekend Symposium : 70<sup>th</sup> Birthday Event  
Northwestern University : 26 May 2012
25. Scottish Symposium  
Northwestern University : 23 January 2017
26. Foresight Annual Workshop on Molecular Machines  
Hilton Orrington Hotel / Evanston : 20–21 September 2019

## RESEARCH INTERESTS SUMMARISED WITH KEYWORDS:

NANOSCIENCE AND SUPRAMOLECULAR CHEMISTRY: Batteries • Borromean link compounds • catenanes and rotaxanes • chemically modified cyclodextrins • chirality • concept transfer from the life sciences into materials science • dendrimers • dynamic covalent chemistry • mechanically interlocked compounds • molecular electronics • molecular machines • molecular recognition processes • molecular switches with bistability and metastability • nature of the mechanical bond • soft lithography • self-assembly processes • supramolecular polymers • stereochemistry • template-directed synthesis • topology • metal-organic frameworks

## RESEARCH COLLABORATORS:

The following research personnel have been/are independently supervised by me:

	<b>Name</b>	<b>(Dates)</b>	<b>Financial Support</b>	<b>Degree</b>
1.	<b>I J Burden</b>	(1971-73)	Self supporting	M Sc
2.	<b>A C Coxon</b>	(1972-75)	SRC Studentship	Ph D
3.	<b>W D Curtis</b>	(1973-76)	CASE-SRC Studentship (ICI)	Ph D
4.	<b>D A Laidler</b>	(1974-77)	SRC Studentship	Ph D
5.	<b>H F Beckford</b>	(1975-78)	Allen & Hanbury's Studentship	Ph D
6.	<b>J B Wolstenholme</b>	(1976-79)	ICI-JRS Technician's Post	M Sc
7.	<b>R B Pettman</b>	(1976-79)	SRC Studentship	Ph D
8.	<b>J A Haslegrave</b>	(1976-79)	CASE-SRC Studentship (ICI)	Ph D
9.	<b>J A Metcalfe</b>	(1976-79)	CASE-SRC Studentship (ICI)	Ph D
10.	<b>D A Laidler</b>	1977-78)	ICI-JRS Postdoctoral Assistantship	-
11.	<b>G D Beresford</b>	(1978-79)	SRC Postdoctoral Fellowship	-
12.	<b>S E Fuller</b>	(1978-79)	ICI-JRS Postdoctoral Assistantship	-
13.	<b>T H Crawshaw</b>	(1978-81)	CASE-SRC Studentship (ICI)	Ph D
14.	<b>D Holland</b>	(1978-81)	CASE-SRC Studentship (ICI)	Ph D
15.	<b>S E Fuller</b>	(1979-81)	SRC Postdoctoral Assistantship	-
16.	<b>J B Wolstenholme</b>	(1980-82)	SRC Postgraduate Assistantship	-
17.	<b>J M Maud</b>	(1981-83)	ICI-JRS Postdoctoral Fellowship	-
18.	<b>P CY K Ning</b>	(1981-84)	SERC Studentship	Ph D
19.	<b>S M Doughty</b>	(1981-84)	CASE-SERC Studentship (ICI)	Ph D
20.	<b>D R Alston</b>	(1981-82)	Johnson Matthey Studentship	M Sc
21.	<b>H Shahriari-Zavareh</b>	(1982-83)	SERC Postdoctoral Assistantship	-
22.	<b>D R Alston</b>	(1982-85)	CASE-SERC Studentship (JM)	Ph D
23.	<b>D A Pears</b>	(1982-85)	CASE-SERC Studentship (ICI)	Ph D
24.	<b>M K Williams</b>	(1982-85)	Instant SERC Studentship	Ph D
25.	<b>F H Kohnke</b>	(1982-85)	Italian Government Studentship	Ph D
26.	<b>J B Wolstenholme</b>	(1982-83)	ARC Postgraduate Assistantship	-
27.	<b>J B Wolstenholme</b>	(1983-84)	Sandoz	-
28.	<b>H Shahriari-Zavareh</b>	(1983-85)	AFRC Postdoctoral Fellowship	-
29.	<b>D A Leigh</b>	(1984-87)	Ministry of Defence (CDE)	-
30.	<b>R Zarzycki</b>	(1984-87)	CASE-SERC Studentship (JM)	Ph D
31.	<b>F H Kohnke</b>	(1985-87)	SERC Postdoctoral Fellowship	-
32.	<b>D J Berrisford</b>	(1985-89)	CASE-SERC Studentship (ICI)	Ph D
33.	<b>S S Chana</b>	(1985-88)	CASE-SERC Studentship (ICI)	Ph D
34.	<b>C G Gemmell</b>	(1985-88)	CASE-SERC Studentship (ICI)	Ph D
35.	<b>L R Cullen</b>	(1985-89)	ICI-JRS Studentship	Ph D
36.	<b>D C Mulligan</b>	(1985-86)	Johnson Matthey Studentship	M Phil
37.	<b>J A Ramsden</b>	(1985-86)	ICI-JRS Studentship	M Phil
38.	<b>N Spencer</b>	(1985-91)	AFRC Postdoctoral Fellowship	-
39.	<b>P Bonaccorsi</b>	(1986-87)	Fondazione Bonino-Pulejo	M Phil
40.	<b>D C Mulligan</b>	(1986-87)	CASE-SERC Studentship (JM)	-
41.	<b>M Garner</b>	(1986-87)	ICI-Sponsored Studentship	-
42.	<b>J Marsh</b>	(1986-87)	Raychem Sponsored Studentship	-
43.	<b>M Reddington</b>	(1986-89)	CASE-SERC Studentship (Shell)	Ph D
44.	<b>M Wali</b>	(1986-91)	ICI Sponsored Studentship	Ph D
45.	<b>K Martin</b>	(1986-88)	SERC Postdoctoral Assistantship	-
46.	<b>P L Anelli</b>	(1986-87)	CNR Postdoctoral Fellowship	-
47.	<b>R Zarzycki</b>	(1987-88)	SERC Postdoctoral Fellowship	-
48.	<b>J-Y Ortholand</b>	(1987)	Visiting Research Studentship	-

49.	<b>P Ellwood</b>	(1987-90)	CASE-SERC Studentship (JM)	Ph D
50.	<b>J P Mathias</b>	(1987-90)	Ministry of Defence (CDE)	Ph D
51.	<b>J F Costello</b>	(1987-90)	CASE-SERC Studentship (BP)	Ph D
52.	<b>C L Brown</b>	(1987-91)	ICI-Sponsored Studentship	Ph D
53.	<b>L Mendez</b>	(1988-91)	Scimat Sponsored Studentship	Ph D
54.	<b>D Giuffrida</b>	(1988-94)	Fondazione Bonino-Pulejo	Ph D
55.	<b>M A Thompson</b>	(1988-91)	Earmarked SERC Studentship	Ph D
56.	<b>S Mahmood</b>	(1988-91)	CASE-SERC Studentship (ICI)	Ph D
57.	<b>D Smith</b>	(1988-91)	CASE-SERC Studentship (ICI)	Ph D
58.	<b>C Vicent</b>	(1988)	Royal Society Exchange Studentship	-
59.	<b>M Grognoz</b>	(1989-90)	SERC Postdoctoral Assistantship	-
60.	<b>L Santa</b>	(1989-90)	SERC Postdoctoral Assistantship	-
61.	<b>P L Anelli</b>	(1989)	CNR Postdoctoral Fellowship	-
62.	<b>F H Kohnke</b>	(1989)	Postdoctoral Fellowship (Messina)	-
63.	<b>M V R Venner</b>	(1989-93)	ICI Sponsored Studentship	Ph D
64.	<b>G Hough</b>	(1989-92)	Seal Sands Sponsored Studentship	Ph D
65.	<b>D Philp</b>	(1989-93)	SERC Earmarked Studentship	Ph D
		(2018-20)	Research Professor	
		(2020- )	Visiting Scholar	
66.	<b>X Sun</b>	(1989-92)	SERC Postdoctoral Assistantship	-
67.	<b>I Canalda</b>	(1989-90)	Spanish Postdoctoral Assistantship	-
68.	<b>U Girreser</b>	(1989-92)	DFG Postdoctoral Assistantship	-
69.	<b>E Hartwell</b>	(1990-94)	Marks Sponsored Studentship	Ph D
70.	<b>P Campbell</b>	(1990-93)	ICI Sponsored Studentship	Ph D
71.	<b>D Armspach</b>	(1990-94)	Kodak Sponsored Studentship	Ph D
72.	<b>M Blower</b>	(1990-93)	CASE-SERC Studentship (ICI)	Ph D
73.	<b>S Guillerez</b>	(1990-91)	SERC Postdoctoral Assistantship	-
74.	<b>J P Mathias</b>	(1990-91)	SERC Postdoctoral Assistantship	-
75.	<b>C L Brown</b>	(1990-91)	SERC Postdoctoral Assistantship	-
76.	<b>R Bissell</b>	(1990-92)	SERC Postdoctoral Assistantship	-
77.	<b>A Reder</b>	(1991-92)	SERC Postdoctoral Assistantship	-
78.	<b>M R Johnston</b>	(1991)	Visiting Research Student	-
79.	<b>S Iqbal</b>	(1991-92)	Birmingham Supported Studentship	M Sc
80.	<b>D J F Marquis</b>	(1991-92)	ERASMUS Exchange Student	M Sc
81.	<b>R Koeniger</b>	(1991-94)	Pfizer Sponsored Studentship	Ph D
82.	<b>J Preece</b>	(1991-94)	SERC Quota Studentship	Ph D
83.	<b>H G Ricketts</b>	(1991-94)	Glaxo Studentship	-
84.	<b>J Wheeler</b>	(1991-93)	SERC Postdoctoral Assistantship	-
85.	<b>O Kocian</b>	(1991-97)	SERC/EPSRC Postdoctoral Assistantship	-
86.	<b>D B Amabilino</b>	(1991-94)	SERC/EPSRC Postdoctoral Assistantship	-
87.	<b>M Belohradsky</b>	(1992-93)	SERC Postdoctoral Assistantship	-
88.	<b>G Lynch</b>	(1992)	Summer Studentship	-
89.	<b>S Newton</b>	(1992)	Nuffield Foundation Summer Studentship	-
90.	<b>R Górski</b>	(1992)	Pfizer Summer Studentship	-
91.	<b>L Pérez</b>	(1992-94)	Catalonian Postdoctoral Assistantship	-
92.	<b>N M Rowley</b>	(1992-95)	SERC Postdoctoral Assistantship	-
93.	<b>W Hayes</b>	(1992-95)	SERC-CASE Studentship	PhD
94.	<b>S Iqbal</b>	(1992-95)	BNFL Studentship	PhD
95.	<b>S Nepogodiev</b>	(1992-93)	Royal Society Fellowship	-
96.	<b>D Joachimi</b>	(1992-93)	DFG Postdoctoral Assistantship	-
97.	<b>F Raymo</b>	(1993-96)	Messina University Studentship/EC	PhD
98.	<b>D Pasini</b>	(1993-96)	Glaxo Studentship	PhD
99.	<b>D Armspach</b>	(1993-94)	SERC Postdoctoral Assistantship	-
100.	<b>M Asakawa</b>	(1993-96)	Ciba-Geigy and BBSRC Fellowship	-
101.	<b>C Claessens</b>	(1993-96)	ENS de Lyon Studentship	PhD
102.	<b>R E Gillard</b>	(1993-97)	SERC-CASE Studentship	PhD
103.	<b>P T Glink</b>	(1993-96)	ZENECA-SRF Fellowship	-
104.	<b>M Gómez</b>	(1993-97)	Basque Government Studentship	PhD
		(1997)	UCLA Postdoctoral Fellowship	-
105.	<b>E Hattemer</b>	(1993-94)	Exchange Student (Mainz)	-
106.	<b>S J Langford</b>	(1993-95)	Ramsay Memorial Fellowship	-
107.	<b>P E Mason</b>	(1993-94)	SERC Studentship	-
108.	<b>S Rodríguez</b>	(1993-94)	EEC Fellowship	-
109.	<b>C Schiavo</b>	(1993-97)	ZENECA-SRF Studentship	PhD

110.	<b>A Shipway</b>	(1993-97)	MoD Studentship	PhD
111.	<b>M Steenbock</b>	(1993-94)	Exchange Student (Mainz)	-
112.	<b>N Svenstrup</b>	(1993-94)	Exchange Student (Odense)	-
113.	<b>G Shimizu</b>	(1994-95)	NRC Postdoctoral Assistantship	-
114.	<b>J Huff</b>	(1994)	EPSRC Postdoctoral Assistantship	-
115.	<b>B Hörner</b>	(1994-96)	DFG/EC Postdoctoral Assistantship	-
116.	<b>G Mattersteig</b>	(1994-96)	DFG Postdoctoral Assistantship	-
117.	<b>G Gattuso</b>	(1994-97)	Messina University Studentship	PhD
118.	<b>C L Brown</b>	(1994-96)	EPSRC Postdoctoral Assistantship	-
119.	<b>S E Boyd</b>	(1994-96)	EPSRC Postdoctoral Assistantship	-
120.	<b>S Newton</b>	(1994-97)	EPSRC Quota Studentship	PhD
121.	<b>C Hamers</b>	(1994-97)	Hills/School Fellowship	PhD
122.	<b>G Clavier</b>	(1994)	ERASMUS Exchange Student (Bordeaux)	-
123.	<b>T Horn</b>	(1994-95)	EC Postdoctoral Assistantship	-
124.	<b>N Jayaraman</b>	(1994-97)	EPSRC Postdoctoral Assistantship	-
125.	<b>S Nepogodiev</b>	(1994-97)	BBSRC Postdoctoral Assistantship	-
126.	<b>A Chemin</b>	(1994-95)	ERASMUS Exchange Student	-
127.	<b>B Colonna</b>	(1995-96)	Pfizer-Sponsored Studentship	M Phil
128.	<b>M V Martínez-Díaz</b>	(1995-96)	Spanish Govt Postdoctoral Fellowship	-
129.	<b>R Dress</b>	(1995-96)	DFG Postdoctoral Assistantship	-
130.	<b>R Wolf</b>	(1995-96)	EPSRC Postdoctoral Assistantship	-
131.	<b>M C T Fyfe</b>	(1995-97)	EPSRC-CASE Studentship (ZENECA)	PhD
132.	<b>J Bravo</b>	(1995-97)	School Studentship	-
		(1997-98)	UCLA Transfer	PhD
133.	<b>E Schofield</b>	(1995)	Summer Studentship	-
134.	<b>P Wells</b>	(1995)	Summer Studentship	-
135.	<b>S K Sangha</b>	(1995)	Summer Studentship	-
136.	<b>S J Cantrill</b>	(1995)	Summer Studentship	-
137.	<b>J Y Lee</b>	(1995-96)	British Council Postdoctoral Assistantship	-
138.	<b>A Piersanti</b>	(1995-96)	ERASMUS Freemover	M Phil
139.	<b>S J Everitt</b>	(1996-97)	BBSRC Postdoctoral Assistantship	-
140.	<b>K Shibata</b>	(1996-97)	EPSRC Postdoctoral Assistantship	-
141.	<b>O A Matthews</b>	(1996-97)	BNFL Postdoctoral Fellowship	-
142.	<b>J A Preece</b>	(1996-97)	Research Fellowship	-
143.	<b>G R L Cousins</b>	(1996)	Nuffield Summer Studentship	-
144.	<b>S K Sangha</b>	(1996)	Nuffield Summer Studentship	-
145.	<b>A Knight</b>	(1996)	Summer Studentship	-
146.	<b>A Hoffmann</b>	(1996-98)	EC Postdoctoral Assistantship	-
147.	<b>M. Perez-Alvarez</b>	(1996)	Spanish Summer Studentship	-
148.	<b>F M Raymo</b>	(1996-97)	EPSRC Postdoctoral Assistantship	-
		(1997-99)	UCLA Transfer	-
149.	<b>A Heiss</b>	(1996-97)	BBSRC Postdoctoral Assistantship	-
		(1997-99)	UCLA Transfer	-
150.	<b>S Wenger</b>	(1996-99)	EC Postdoctoral Assistantship	-
151.	<b>S J Cantrill</b>	(1996-97)	EPSRC Quota Studentship	M Phil
		(1997-2001)	UCLA Transfer	PhD
152.	<b>A R Pease</b>	(1996-97)	EPSRC Quota Studentship	-
		(1997-2001)	UCLA Transfer	PhD
153.	<b>D A Fulton</b>	(1996-97)	EPSRC Special Studentship	-
		(1997-2001)	UCLA Transfer	PhD
154.	<b>J N Lowe</b>	(1996-97)	School Studentship	-
		(1997-2001)	UCLA Transfer	PhD
155.	<b>S K Hickingbottom</b>	(1996-97)	School Studentship	M Phil
		(1997-2001)	UCLA Transfer	PhD
156.	<b>C Jiangao</b>	(1996-97)	Chinese Government Fellowship	-
157.	<b>G Mattersteig</b>	(1997)	School Assistantship	-
		(1997-99)	UCLA Transfer	-
158.	<b>B Colonna</b>	(1997)	Pfizer-Sponsored Studentship	-
		(1997-99)	UCLA Transfer	PhD
159.	<b>Z Wang</b>	(1997-99)	EPSRC Postdoctoral Assistantship	-
		(1999-2000)	UCLA Transfer	-
160.	<b>A Comito</b>	(1997)	Summer Studentship	-
161.	<b>G R L Cousins</b>	(1997)	Summer Studentship	-
162.	<b>J Wasserman</b>	(1997-98)	Research Assistant	-

163.	<b>S Kalovidouris</b>	(1997-2002)	UCLA Graduate Student	PhD
164.	<b>J Cao</b>	(1997-2001)	UCLA Graduate Student	PhD
165.	<b>B Cabezon</b>	(1997-98)	Spanish Govt Postdoctoral Fellowship	-
166.	<b>M Belohradsky</b>	(1997)	NATO-Funded Fellowship	-
167.	<b>M C T Fyfe</b>	(1997-99)	UCLA Postdoctoral Fellowship	-
168.	<b>M Nielsen</b>	(1997-98)	Visiting Graduate Student	-
169.	<b>N Jayaraman</b>	(1997-99)	UCLA Postdoctoral Fellowship	-
170.	<b>D Amirsakis</b>	(1997-2002)	Graduate Student	PhD
171.	<b>A Elizarov</b>	(1997-2002)	Graduate Student	PhD
172.	<b>G Vayner</b>	(1997-98)	Graduate Student	-
173.	<b>D Lau</b>	(1998-99)	UCLA Postdoctoral Fellowship	-
174.	<b>S Ro</b>	(1998-2000)	UCLA Postdoctoral Fellowship	-
175.	<b>H Gibson</b>	(1998)	Visiting Professor	-
176.	<b>S Rowan</b>	(1998-1999)	UCLA Postdoctoral Fellowship	-
177.	<b>M Pérez-Alvarez</b>	(1998-99)	UCLA Postdoctoral Fellowship	-
178.	<b>K Araki</b>	(1998-99)	Visiting Professor	-
179.	<b>L Ridvan</b>	(1998-2001)	Postdoctoral Fellowship	-
180.	<b>S-H Chiu</b>	(1998-2000)	Graduate Student	Ph D
181.	<b>T Chang</b>	(1998-2003)	Graduate Student	Ph D
182.	<b>W B Turnbull</b>	(1998-2001)	Wellcome Travelling Research Fellowship	-
183.	<b>P Nash</b>	(1999)	UCLA Summer Studentship	-
184.	<b>S Wenger</b>	(1999-2000)	UCLA Postdoctoral Fellowship	-
185.	<b>Y Kuwatani</b>	(1999-2000)	Japanese Govt Postdoctoral Fellowship	-
186.	<b>S Riela</b>	(1999-2000)	Italian Govt Visiting Studentship	-
187.	<b>J Jeppesen</b>	(1999-2000)	Danish Govt Visiting Studentship	-
188.	<b>G Youn</b>	(1999-2002)	Undergraduate Fellowship	-
189.	<b>J-Y Han</b>	(1999-2004)	Graduate Student	Ph D
190.	<b>A Nelson</b>	(1999-2004)	Graduate Student	Ph D
191.	<b>H Ihm</b>	(1999-2001)	Postdoctoral Fellowship	-
192.	<b>H M Colquhoun</b>	(1999)	Visiting Professor	-
193.	<b>J Perkins</b>	(2000-01)	Postdoctoral Fellowship	-
194.	<b>A Star</b>	(2000-02)	Postdoctoral Fellowship	-
195.	<b>P T Glink</b>	(2000-02)	Postdoctoral Fellowship	-
196.	<b>M Mascali</b>	(2000)	Visiting Professor	-
197.	<b>M Horn</b>	(2000-02)	Postdoctoral Fellowship	-
198.	<b>M Aoyagi</b>	(2000-01)	Postdoctoral Fellowship	-
199.	<b>H-R Tseng</b>	(2000-03)	Postdoctoral Fellowship	-
200.	<b>S Vidal</b>	(2000-02)	Postdoctoral Fellowship	-
201.	<b>F Marchioni</b>	(2000)	Italian Govt Visiting Studentship	-
202.	<b>A I O González</b>	(2000)	Spanish Govt Visiting Studentship	-
203.	<b>J Ihringer</b>	(2000)	German Govt Visiting Studentship	-
204.	<b>K Nielsen</b>	(2000)	Danish Govt Visiting Studentship	-
205.	<b>S Murray</b>	(2000)	Undergraduate Student	-
206.	<b>K Grant</b>	(2000)	Undergraduate Student	-
207.	<b>T Yamamoto</b>	(2000-03)	Japanese Industrial Visiting Fellow	-
208.	<b>S Abeln</b>	(2000-01)	Fulbright Scholarship	-
209.	<b>Y Liu</b>	(2000-05)	Graduate Student	Ph D
210.	<b>S-H Chiu</b>	(2001-02)	Postdoctoral Fellowship	Ph D
211.	<b>S Vignon</b>	(2001-05)	Graduate Student	PhD
212.	<b>A Braunschweig</b>	(2001-06)	Graduate Student	PhD
213.	<b>J Wong</b>	(2001-03)	Graduate Student	MS
214.	<b>N Saettler</b>	(2001-03)	Graduate Student	-
215.	<b>J Badjic</b>	(2001-04)	Postdoctoral Fellowship	-
216.	<b>R Ramirez</b>	(2001-06)	Graduate Student	PhD
217.	<b>P Celestre</b>	(2001-02)	Undergraduate Student	-
218.	<b>J Belitsky</b>	(2002-05)	NIH Postdoctoral Fellowship	-
219.	<b>P Haussmann</b>	(2002-08)	Graduate Student	PhD
220.	<b>C S Joiner</b>	(2002-07)	Graduate Student	PhD
221.	<b>A Flood</b>	(2002-05)	Postdoctoral Fellowship	-
222.	<b>P Bonvallet</b>	(2002-04)	Postdoctoral Fellowship	-
223.	<b>B Northrop</b>	(2002-06)	Graduate Student	PhD
224.	<b>C Meyer (Pentecost)</b>	(2002-07)	Graduate Student	PhD
225.	<b>K Chichak</b>	(2002-05)	Postdoctoral Fellowship	-
226.	<b>I Ciobanu</b>	(2002-03)	Graduate Student	-

227.	<b>T Iijima</b>	(2002-03)	Japanese Industrial Visiting Fellow	-
228.	<b>A Peters</b>	(2003-05)	Postdoctoral Fellowship	-
229.	<b>J Matthews</b>	(2003)	Postdoctoral Fellowship	-
230.	<b>C F Leung</b>	(2003-06)	Hong Kong Govt Postdoctoral Fellowship	-
231.	<b>M Tomcsi</b>	(1999-07)	Graduate Student	PhD
		(2003-)	Transfer from Yves Rubin's Group	PhD
232.	<b>F Arico</b>	(2003-05)	Postdoctoral Fellowship	-
233.	<b>B Laursen</b>	(2003-04)	Danish Govt Postdoctoral Fellowship	-
234.	<b>D Lanari</b>	(2003)	Visiting Scholar	-
		(2005-06)	Postdoctoral Fellowship	-
235.	<b>S Saha</b>	(2000)	Graduate Student	PhD
		(2003-07)	Transfer from Yves Rubin's Group	
		(2005-07)	Postdoctoral Fellowship	
236.	<b>M Miyaji</b>	(2003-05)	Japanese Industrial Visiting Fellow	-
237.	<b>R A Ornes</b>	(2003)	Visiting Scholar	-
238.	<b>C M Ronconi</b>	(2003-04)	Brazilian Govt Postdoctoral Fellowship	-
239.	<b>K Griffiths</b>	(2003-08)	Graduate Student	PhD
240.	<b>S Kang</b>	(2000-05)	Graduate Student	PhD
241.	<b>R Moskowitz</b>	(2003-04)	Undergraduate Student	-
242.	<b>T Gottschalk</b>	(2003)	Visiting Graduate Student	-
243.	<b>A Williams</b>	(2001-03)	Postdoctoral Fellowship	-
244.	<b>S Ngaard</b>	(2004)	Visiting Graduate Student	-
245.	<b>N Moonen</b>	(2004-05)	Postdoctoral Fellowship	-
246.	<b>K Patel</b>	(2004-09)	Graduate Student	PhD
247.	<b>V Nhan</b>	(2004-07)	Undergraduate Student	-
248.	<b>N Tang</b>	(2004-07)	Undergraduate Student	-
249.	<b>R Lo</b>	(2004-06)	Undergraduate Student	-
250.	<b>T Ikeda</b>	(2004)	Visiting Scholar	-
		(2005-06)	Postdoctoral Fellowship	-
251.	<b>P Mendes</b>	(2004-06)	Postdoctoral Fellowship	-
252.	<b>J Fernández</b>	(2004-05)	Graduate Student	-
253.	<b>A Hayden</b>	(2004-06)	Graduate Student	PhD
254.	<b>A Williams</b>	(2004-06)	Graduate Student	
255.	<b>S Yee</b>	(2004-07)	Undergraduate Student	-
256.	<b>C Yates</b>	(2005-08)	Postdoctoral Fellowship	-
257.	<b>S-Y Kim</b>	(2005-06)	Postdoctoral Fellowship	-
258.	<b>M Baroncini</b>	(2005-06)	Visiting Scholar	-
259.	<b>D Benítez</b>	(2005-08)	Postdoctoral Fellowship	-
260.	<b>I Yoon</b>	(2005-08)	Postdoctoral Fellowship	-
261.	<b>I Aprahamian</b>	(2005-08)	Postdoctoral Fellowship	-
262.	<b>K Coti</b>	(2004-09)	Graduate Student	PhD
263.	<b>W Dichtel</b>	(2005-08)	Postdoctoral Fellowship	-
264.	<b>W Cho</b>	(2005-06)	Postdoctoral Fellowship	-
265.	<b>Y Zhao</b>	(2005-10)	Postdoctoral Fellowship	-
266.	<b>O Miljanic</b>	(2005-08)	Postdoctoral Fellowship	-
267.	<b>J Wu</b>	(2005-07)	Postdoctoral Fellowship	-
268.	<b>T Koyama</b>	(2005-07)	Visiting Scholar	-
269.	<b>A Shveyd</b>	(2005-11)	Graduate Student	PhD
270.	<b>M Olson</b>	(2005-10)	Graduate Student	PhD
271.	<b>T Gasa</b>	(2005-10)	Graduate Student	PhD
272.	<b>J Spruell</b>	(2005-09)	Graduate Student	PhD
273.	<b>W Zhang</b>	(2005-10)	Graduate Student	PhD
274.	<b>R Hyde</b>	(2005-07)	Undergraduate Student	-
275.	<b>T Phan</b>	(2005-07)	Undergraduate Student	-
276.	<b>J Olsen</b>	(2006-09)	Graduate Student	PhD
277.	<b>S Mortezaei</b>	(2006-07)	Undergraduate Student	-
278.	<b>T Just</b>	(2006)	Visiting Scholar	-
279.	<b>G Fernandez</b>	(2006)	Visiting Scholar	-
280.	<b>J Diaz</b>	(2006)	Visiting Scholar	-
281.	<b>B Jimenez</b>	(2006)	Visiting Scholar	-
282.	<b>S Saez</b>	(2006)	Visiting Scholar	-
283.	<b>D Cayer</b>	(2006-07)	Undergraduate Student	-
284.	<b>C Bernardi</b>	(2006-07)	Visiting Scholar	-
285.	<b>L Fang</b>	(2006-10)	Graduate Student	PhD

286.	<b>Y Yang</b>	(2006-08)	Postdoctoral Fellowship	-
287.	<b>D Friedman</b>	(2006-10)	Graduate Student	PhD
		(2010-11)	Postdoctoral Fellowship	-
288.	<b>A Sue</b>	(2006-10)	Graduate Student	PhD
		(2013-14)	Postdoctoral Fellowship	-
289.	<b>A Coskun</b>	(2006-11)	Visiting Scholar	-
290.	<b>T Hansen</b>	(2007)	Visiting Scholar	-
291.	<b>S H Hong</b>	(2007)	Postdoctoral Fellowship	-
292.	<b>J Benner</b>	(2007)	Undergraduate Student	-
293.	<b>M Ambrogio</b>	(2007-12)	Graduate Student	PhD
		(2012)	Postdoctoral Fellow	-
294.	<b>A Basuray</b>	(2007-13)	Graduate Student	PhD
		(2013-14)	Postdoctoral Fellowship	-
295.	<b>M Belowich</b>	(2007-11)	Graduate Student	PhD
296.	<b>M Boyle</b>	(2007-12)	Graduate Student	PhD
297.	<b>H Li</b>	(2007-13)	Graduate Student	PhD
298.	<b>H Khatib</b>	(2007-09)	Research Assistant	-
299.	<b>N Khashab</b>	(2007-09)	Postdoctoral Fellowship	-
300.	<b>A Trabolsi</b>	(2007-09)	Postdoctoral Fellowship	-
301.	<b>S Basu</b>	(2008-10)	Postdoctoral Fellowship	-
302.	<b>C Gothard</b>	(2008-09)	Postdoctoral Fellowship	-
303.	<b>L Liu</b>	(2007-08)	Postdoctoral Fellowship	-
304.	<b>W Paxton</b>	(2008-10)	Postdoctoral Fellowship	-
305.	<b>M Schott</b>	(2008- )	Senior Research Associate	-
306.	<b>G Barin</b>	(2008-12)	Graduate Student	PhD
307.	<b>C Bruns</b>	(2008-13)	Graduate Student	PhD
		(2014)	Postdoctoral Fellow	-
308.	<b>N Gothard</b>	(2008-09)	Graduate Student	-
309.	<b>A Fahrenheit</b>	(2008-13)	Graduate Student	PhD
310.	<b>P Nolan</b>	(2008)	Undergraduate Student	-
311.	<b>S Dey</b>	(2008-10)	Postdoctoral Fellowship	-
312.	<b>R Smaldone</b>	(2008-12)	Postdoctoral Fellowship	-
313.	<b>R Forgan</b>	(2008-11)	Postdoctoral Fellowship	-
314.	<b>C Wang</b>	(2008-12)	Postdoctoral Fellowship	-
315.	<b>C Valente</b>	(2008-11)	Postdoctoral Fellowship	-
316.	<b>F Beuerle</b>	(2009-10)	Postdoctoral Fellowship	-
317.	<b>A Whalley</b>	(2009-12)	Postdoctoral Fellowship	-
318.	<b>Z Zhu</b>	(2009-12)	Postdoctoral Fellowship	-
319.	<b>R Stoll</b>	(2009-11)	DAAD Postdoctoral Fellowship	-
320.	<b>J Gaines</b>	(2009-11)	Undergraduate Student	-
321.	<b>J Wang</b>	(2009-10)	Undergraduate Student	-
322.	<b>M Giesener</b>	(2009-12)	Undergraduate Student	-
323.	<b>N Strutt</b>	(2009-14)	Graduate Student	PhD
324.	<b>J Gassensmith</b>	(2009-13)	Postdoctoral Fellow	-
325.	<b>A Bosoy</b>	(2010-19)	User Support Specialist Associate	-
326.	<b>P Erne</b>	(2010)	DAAD (Deutschland) Student Internship	-
327.	<b>D Stassen</b>	(2010)	FUNDP Trainee/Visiting Graduate Student	-
328.	<b>S Grunder</b>	(2010-12)	Postdoctoral Fellowship	-
329.	<b>R Tadros</b>	(2010)	Visiting High School Student	-
330.	<b>H Haas</b>	(2010)	DAAD Visiting Graduate Student	-
331.	<b>A Dubey</b>	(2010)	Visiting Graduate Student	-
332.	<b>D Fujita</b>	(2010)	GCOE/Visiting Graduate Student	-
333.	<b>H Zhang</b>	(2010-11)	Chinese Govt/Visiting Predoctoral Fellow	-
		(2013-14)	Postdoctoral Fellow	-
334.	<b>J Lei</b>	(2010-12)	Chinese Govt/Visiting Predoctoral Fellow	-
335.	<b>K Hartlieb</b>	(2010-17)	Postdoctoral Fellow	-
336.	<b>L Esdaile</b>	(2010-12)	Postdoctoral Fellow	-
337.	<b>A Bozdemir</b>	(2010-11)	Postdoctoral Fellow	-
338.	<b>P McGrier</b>	(2010-13)	NSF FACES/Postdoctoral Fellowship	-
339.	<b>Z-C Liu</b>	(2010-11)	Postdoctoral Fellow	-
340.	<b>J lehl</b>	(2010-12)	Postdoctoral Fellow	-
341.	<b>H-P Jacquot</b>	(2010-12)	Postdoctoral Fellow	-
342.	<b>A Avestro</b>	(2011-15)	Graduate Student	PhD
343.	<b>J Barnes</b>	(2011-14)	Graduate Student	PhD

344.	<b>A Blackburn</b>	(2011-15)	Graduate Student	PhD
345.	<b>D Cao</b>	(2011-14)	Graduate Student	PhD
		(2014)	Postdoctoral Fellow	-
346.	<b>E Alyamani</b>	(2010)	Visiting Scholar (KACST)	-
		(2014)	Visiting Scholar (KACST)	-
346.	<b>C Ke</b>	(2010-11)	Newton Fellowship Visiting Postdoc	-
		(2011-15)	Postdoctoral Fellow	-
347.	<b>M Frasconi</b>	(2010-14)	Postdoctoral Fellow	-
348.	<b>S Sampath</b>	(2010-12)	Postdoctoral Fellow	-
349.	<b>M Fathalla</b>	(2010-12)	Postdoctoral Fellow	-
350.	<b>A Bagabas</b>	(2011-13)	Visiting Scholar (KACST)	-
351.	<b>A Alabdulrahman</b>	(2011)	Visiting Scholar (KACST)	-
352.	<b>A Alshammari</b>	(2011)	Visiting Scholar (KACST)	-
353.	<b>E Coskun</b>	(2011-12)	User Support Specialist Associate	-
354.	<b>T Kikuchi</b>	(2011-13)	Postdoctoral Fellowship (JSPS)	-
355.	<b>L Lilley</b>	(2011)	Summer REU (NSF NSEC)	-
356.	<b>A Lopez</b>	(2011)	Summer REU (NSF MRSEC)	-
357.	<b>R Guliyev</b>	(2011)	Visiting Predoctoral Scholar	-
358.	<b>O Büyükçakir</b>	(2011-12)	Visiting Predoctoral Scholar	-
359.	<b>M Juricek</b>	(2011-13)	Postdoctoral Fellowship (Rubicon)	-
360.	<b>N Vermeulen</b>	(2011-15)	Postdoctoral Fellow	-
361.	<b>D Yilmaz</b>	(2011-13)	Postdoctoral Fellow	-
362.	<b>C Chuyang</b>	(2011-16)	Graduate Student	PhD
		(2016-18)	Postdoctoral Fellow	-
363.	<b>E Cooper</b>	(2011-12)	Undergraduate Researcher	-
364.	<b>S Schneebeli</b>	(2011-14)	Postdoctoral Fellowship (IIN)	-
365.	<b>N Khdary</b>	(2012)	Visiting Scholar (KACST)	-
366.	<b>K Ghooray</b>	(2012)	Summer REU (IIN)	-
367.	<b>L Witus</b>	(2012-14)	Postdoctoral Fellow (NIH Kirschstein)	-
368.	<b>Y Wu</b>	(2012-14)	Graduate Student (transferred to Wasielewski)	-
369.	<b>X Hou</b>	(2012-16)	Graduate Student	PhD
370.	<b>E Dale</b>	(2012-16)	Graduate Student	PhD
371.	<b>E Wilson</b>	(2012-14)	Graduate Student	MS
372.	<b>Y Wang</b>	(2012-17)	Graduate Student	PhD
373.	<b>Y Sun</b>	(2013)	Visiting Predoctoral Scholar	-
374.	<b>H Li</b>	(2013)	Chinese Govt / Visiting Scholar	-
375.	<b>R Shi</b>	(2013)	Summer Intern	-
376.	<b>A Nakamura</b>	(2013-14)	Asahi Kasei / Visiting Scholar	-
377.	<b>J Sun</b>	(2013-15)	Postdoctoral Fellow	-
378.	<b>M Owczarek</b>	(2013-18)	Postdoctoral Fellow	-
379.	<b>N Hafezi</b>	(2013-15)	Postdoctoral Fellow	-
380.	<b>D Chen</b>	(2013-14)	Postdoctoral Fellow	-
381.	<b>J Han</b>	(2013-)	Chinese Govt / Visiting Scholar	-
382.	<b>I Gibbs-Hall</b>	(2013-16)	Graduate Student	MSc
383.	<b>X Gong</b>	(2013-19)	Graduate Student	PhD
384.	<b>M Hong</b>	(2013-15)	Undergraduate Researcher	-
385.	<b>T Kawaji</b>	(2014-15)	Visiting Scholar	-
386.	<b>X Xiao</b>	(2014-15)	Visiting Scholar	-
387.	<b>Z Erno</b>	(2014-15)	Graduate Student	-
388.	<b>M Algaradah</b>	(2014)	Visiting Scholar	-
389.	<b>M Nassar</b>	(2014-15)	Visiting Scholar	-
390.	<b>A Al-Najada</b>	(2014)	Visiting Scholar	-
391.	<b>I Popovs</b>	(2014-15)	Postdoctoral Fellow	-
392.	<b>J Henkelis</b>	(2014-15)	Postdoctoral Fellow	-
393.	<b>H Arslan</b>	(2014-17)	Postdoctoral Fellow	-
394.	<b>K Hermann</b>	(2014-16)	Postdoctoral Fellow	-
395.	<b>S T Ryan</b>	(2014)	Visiting Predoctoral Scholar	-
396.	<b>K Nailuri</b>	(2014- )	Postdoctoral Fellow	-
397.	<b>Z Kean</b>	(2015-16)	Postdoctoral Fellow	-
398.	<b>M Lipke</b>	(2015-17)	Postdoctoral Fellow	-
399.	<b>Y Liao</b>	(2015)	Summer Intern	-
400.	<b>H Li</b>	(2015)	Visiting Scholar	-
401.	<b>A Samanta</b>	(2015-17)	Postdoctoral Fellow	-
402.	<b>M Nguyen</b>	(2015-19)	Postdoctoral Fellow	-



403.	<b>A Yesilcimen</b>	(2015)	Visiting Predoctoral Scholar	-
404.	<b>C Fomunung</b>	(2015)	Summer Intern / IIN REU	-
405.	<b>M Otley</b>	(2015-17)	Postdoctoral Fellow	-
406.	<b>D J Kim</b>	(2015-18)	Postdoctoral Fellow	-
407.	<b>C Pezzato</b>	(2015-18)	Postdoctoral Fellow	-
408.	<b>J Han</b>	(2015-18)	Postdoctoral Fellow	-
409.	<b>H Patel</b>	(2015-17)	Postdoctoral Fellow	-
410.	<b>Q Chen</b>	(2015-18)	Postdoctoral Fellow	-
411.	<b>H Li</b>	(2016-17)	Postdoctoral Fellow	-
412.	<b>D Shen</b>	(2016- )	Postdoctoral Fellow	-
413.	<b>M Rezaeivala</b>	(2016)	Visiting Scholar	-
414.	<b>O Anamimoghadam</b>	(2016-19)	Postdoctoral Fellow	-
415.	<b>F Çetin</b>	(2016)	Summer Intern	-
		(2017-18)	Graduate Student	MS
416.	<b>T Chen</b>	(2016)	Summer Intern	-
417.	<b>L Mosca</b>	(2016- )	Postdoctoral Fellow	-
418.	<b>K Cai</b>	(2016- )	Postdoctoral Fellow	-
419.	<b>Y Feng</b>	(2016- )	Graduate Student	(PhD)
420.	<b>Y Qiu</b>	(2016- )	Postdoctoral Fellow	-
421.	<b>A Kargar</b>	(2017)	Postdoctoral Fellow	-
422.	<b>Q-H Guo</b>	(2017- )	Postdoctoral Fellow	-
423.	<b>Y Shi</b>	(2017-19)	Postdoctoral Fellow	-
424.	<b>N Lin</b>	(2017-18)	Undergraduate Student	-
425.	<b>M Dumartin</b>	(2017-19)	Postdoctoral Fellow	-
426.	<b>M Meadows</b>	(2017-18)	Postdoctoral Fellow	-
427.	<b>I Roy</b>	(2017- )	Postdoctoral Fellow	-
428.	<b>J Cooper</b>	(2017- )	Postdoctoral Fellow	-
429.	<b>S Vemuri</b>	(2017-19)	Undergraduate Student	-
430.	<b>L Zhang</b>	(2017- )	Postdoctoral Fellow	-
431.	<b>T Chen</b>	(2017)	Summer Intern	-
432.	<b>F Xie</b>	(2017)	Summer Intern	-
433.	<b>S Liu</b>	(2017)	Summer Intern	-
434.	<b>P Li</b>	(2017- )	Postdoctoral Fellow	-
435.	<b>A Garçi</b>	(2017- )	Postdoctoral Fellow	-
436.	<b>X Cao</b>	(2017)	Visiting Scholar	-
437.	<b>M Çetin</b>	(2017-20)	Postdoctoral Fellow	-
438.	<b>K Xiao</b>	(2017-18)	Undergraduate Intern	-
439.	<b>T Jiao</b>	(2017-18)	Visiting Pre-doctoral Fellow	-
		(2018-19)	Visiting Pre-doctoral Fellow	-
440.	<b>H Wu</b>	(2017-18)	Visiting Pre-doctoral Fellow	-
		(2019- )	Postdoctoral Fellow	-
441.	<b>D Sluysmans</b>	(2017-18)	Postdoctoral Fellow	-
442.	<b>Y Beldjoudi</b>	(2017- )	Postdoctoral Fellow	-
443.	<b>S Teterycz</b>	(2018- )	Director of Operations	-
444.	<b>H Chen</b>	(2018- )	Postdoctoral Fellow	-
445.	<b>B Cui</b>	(2018-19)	Undergraduate Intern	-
446.	<b>W Li</b>	(2018-19)	Undergraduate Intern	-
447.	<b>W Liu</b>	(2018- )	Postdoctoral Fellow	-
448.	<b>T Kwon</b>	(2018- )	Postdoctoral Fellow	-
449.	<b>T Kosikova</b>	(2018- )	Postdoctoral Fellow (Philp)	-
450.	<b>Y Jiao</b>	(2018- )	Postdoctoral Fellow	-
451.	<b>K Nam</b>	(2018- )	Postdoctoral Fellow	-
452.	<b>G Wu</b>	(2018)	Visiting Pre-doctoral Fellow	-
453.	<b>A Enciso Barros</b>	(2018- )	Postdoctoral Fellow	-
454.	<b>D Limón Magaña</b>	(2019)	Visiting Postdoctoral Fellow	-
455.	<b>D van Brussel</b>	(2019)	Visiting Pre-doctoral Fellow	-
456.	<b>Y Tan</b>	(2019- )	Postdoctoral Fellow	-
457.	<b>C Fraser</b>	(2019- )	Postdoctoral Fellow	-
458.	<b>B DeHaven</b>	(2019- )	Postdoctoral Fellow	-
459.	<b>J Weber</b>	(2019- )	Postdoctoral Fellow	-
460.	<b>D Pe</b>	(2019-20)	Undergraduate Student	-
461.	<b>P Das</b>	(2019- )	Postdoctoral Fellow	-
462.	<b>F Alsubi</b>	(2019)	KACST Visitor	-
463.	<b>S Almunif</b>	(2019)	KACST Visitor	-

464.	<b>A Bakr</b>	(2019)	KACST Visitor
465.	<b>G Wolfe</b>	(2019)	Visiting Undergraduate Student
466.	<b>G Zhuang</b>	(2019)	Undergraduate Intern
467.	<b>J Liang</b>	(2019-20)	Undergraduate Intern
468.	<b>X Kuang</b>	(2019-20)	Undergraduate Intern
469.	<b>T Soares</b>	(2019-20)	Visiting Graduate Student
470.	<b>J Xu</b>	(2019-20)	Visiting Undergraduate Student
471.	<b>Y Wang</b>	(2019- )	Postdoctoral Fellow
472.	<b>M Kazem-Rostami</b>	(2019- )	Postdoctoral Fellow
473.	<b>B Song</b>	(2020- )	Postdoctoral Fellow
474.	<b>M Ovalle</b>	(2020- )	Predoctoral Visiting Scholar
475.	<b>M Olson</b>	(2020)	Visiting Scholar
		(2020- )	Research Associate Professor
476.	<b>X Li</b>	(2020- )	Postdoctoral Fellow

In addition, I have assisted (Prof W D Ollis at Sheffield University) in the supervision of the following research students:

	<b>Name</b>	<b>(Dates)</b>	<b>Degree</b>
1.	<b>D J Brickwood</b>	(1971-73)	Ph D
2.	<b>S A M T Hussain</b>	(1972-74)	Ph D
3.	<b>J S Stephanatou</b>	(1973-75)	Ph D
4.	<b>A M Hassan</b>	(1974-75)	M Sc
5.	<b>J A Peacock</b>	(1974-75)	M Sc
6.	<b>F E A Elhadi</b>	(1974-77)	Ph D
7.	<b>S J Edge</b>	(1974-77)	M Sc, Ph D
8.	<b>A R Hoorfar</b>	(1975-79)	M Sc, PhD

#### **M Sc & M Phil THESES:**

- Isomerism in bicyclic acetals** (I J Burden), September 1973, 160 pages.
- Thiosalicylides** (J A Peacock), July 1975, 119 pages.
- Conformational behaviour of medium-sized ring heterocycles** (A M Hassan), October 1975, 93 pages.
- The synthesis and spontaneous resolution of pyrimidoiso-indolones and structurally analogous tricyclic heterocycles** (S J Edge), October 1975, 150 pages.
- The synthesis and conformational behaviour of some new trianthranilide derivatives** (A R Hoorfar), February 1977, 109 pages.
- The stereochemistry of molecular receptors** (J B Wolstenholme), December 1979, 76 pages.
- Molecular receptors for platinum complexes with antitumour activity** (D R Alston), October 1982, 66 pages.
- The synthesis of novel macrocyclic tricothecenes** (D A Leigh), November 1985, 95 pages.
- New approaches towards enantioselective cyclopropanation of olefins** (J A Ramsden), November 1986, 99 pages.
- Chemically-modified cyclodextrins as drug delivery systems** (D C Mulligan), November 1986, 88 pages.
- Cholesteric phases induced by chiral substituted cyclohexylidenemethanes** (P M Bonaccorsi), September 1987, 131 pages.
- Molecular meccano: Catenanes and rotaxanes made to order** (D J F Marquis), September 1992, 111 pages.
- Towards aza-macrocycles via repetitive Diels-Alder reactions** (S Iqbal), March 1993, 121 pages.
- Towards synthetic polysaccharide dendrimers: Potential drug delivery systems** (B Colonna), September 1996, 49 pages.
- A new family of switchable [2]rotaxanes** (A Piersanti), December 1996, 57 pages.
- Self-complementary crown ethers** (S Cantrill), June 1997, 56 pages.
- Hammett beyond the molecule** (S K Hickingbottom), June 1997, 75 pages.
- (J Wong), 2003
- Catalytic lithography as a versatile tool to assemble quantum dots or metal-organic frameworks onto patterned surfaces** (P M Erne), 2010, 67 pages.
- Formation of hetero[3]rotaxanes by a dynamic component-swapping strategy** (E A Wilson), 2014, 53 pages.
- Chemistry for renewable energy production and storage: Molecular engineering, mechanically interlocked molecules and quantum investigation** (F M Çetin), June 2018, xx pages.

## Ph D THESES:

1. **Conformational studies on medium and large sized cyclic systems** (D J Brickwood), September 1973, 248 pages.
2. **The synthesis and stereochemistry of 2,4- and 2,3-disubstituted- $\gamma$ -butyrolactones** (S A M T Hussain), October 1974, 143 pages.
3. **The synthesis and conformational behaviour of some medium-sized ring compounds** (J S Stephanatou), August 1975, 427 pages.
4. **The synthesis of macrocyclic polyethers, macrobicyclic polyethers and their complexes** (A C Coxon), November 1975, 226 pages.
5. **The synthesis and properties of chiral and achiral complexing agents** (W D Curtis), October 1976, 220 pages.
6. **The synthesis and conformational behaviour of some medium and large sized cyclic systems** (F E A Elhadi), July 1977, 280 pages.
7. **The synthesis and conformational behaviour of tri-3-methyltrianthranilides and related heterocycles** (S J Edge), September 1977, 212 pages.
8. **Crown compounds as potential enzyme analogues** (D A Laidler), July 1978, 528 pages.
9. **Stereochemical principles in crown ether chemistry** (R B Pettman), May 1979, 239 pages.
10. **The synthesis and conformational behaviour of tetra-anthranilide derivatives** (A R Hoorfar), July 1979, 218 pages.
11. **Enzyme analogue chemistry and crown compounds** (J A Haslegrave), September 1979, 197 pages.
12. **Cationic complexes of crown ethers** (J C Metcalfe), October 1979, 227 pages.
13. **Some novel paracyclophanes with potential pharmacological activity** (H F Beckford), September 1980, 167 pages.
14. **Some approaches to the stereoselective synthesis of the pentitols** (D Holland), September 1981, 144 pages.
15. **Molecular receptors of the crown ether type** (T H Crawshaw), December 1982, 191 pages.
16. **Stereospecific synthetic approaches to macrobicyclic and macropolycyclic polyethers** (P C Y K Ning), December 1984, 228 pages.
17. **The second sphere coordination of transition metal complexes by crown ethers** (S M Doughty), February 1985, 317 pages.
18. **The design and synthesis of receptor molecules for the bipyridinium herbicides** (F H Kohnke), June 1985, 153 pages.
19. **Molecular receptors for transition metal complexes** (D R Alston), September 1985, 240 pages.
20. **Enantioselective synthesis with chiral crown ethers** (D A Pears), September 1985, 266 pages.
21. **The design and synthesis of hosts for neutral and charged guests** (M K Williams), September 1986, 236 pages.
22. **The synthesis and properties of novel and natural macrocyclic trichothecenes** (D A Leigh), September 1987, 218 pages.
23. **Chemically-modified cyclodextrins as second sphere molecular receptors for transition metal complexes** (R Zarzycki), September 1987, 215 pages.
24. **Novel cyclophanes as receptors for aromatic substrates** (S S Chana), September 1988, 173 pages.
25. **Chiral crown ether catalysis in enantioselective synthesis** (C Gemmell), April 1989, 224 pages.
26. **Non-covalent bonding interactions: Cyclophanes, catenanes and rotaxanes** (M V Reddington), October 1989, 137 pages.
27. **Bis-bridged porphyrins ... achiral and chiral** (L Cullen), November 1989, 322 pages.
28. **Chiral induction in supramolecular systems** (D J Berrisford), November 1989, 163 pages.
29. **The chemical modification of cyclodextrins** (P Ellwood), April 1990, 137 pages.
30. **Studies of the form and function of scorpion-like ligands** (J F Costello), September 1990, 145 pages.
31. **Substrate-directed synthesis: the rapid assembly of macropolycyclic structures via repetitive Diels Alder oligomerisation** (J P Mathias), September 1990, 233 pages.
32. **The bipyridinium herbicide paraquat as a host and as a guest in supramolecular chemistry** (C L Brown), February 1991, 262 pages.
33. **Cationic molecular receptors for alcohols** (L Mendez), October 1991, 219 pages.
34. **Molecular lego: Synthesis of novel macropolycycles via repetitive Diels-Alder reactions** (M A Thompson), December 1991, 211 pages.
35. **The design and synthesis of novel macropolycycles** (D R Smith), May 1992, 218 pages.
36. **The construction of novel polymeric architectures** (S Mahmood), October 1992, 212 pages.

37. **Self-assembly in chemical systems** (D Philp), December 1992, 250 pages.
38. **Towards regioselective aromatic substitution: Novel glycoluril-containing cavitands** (G Hough), December 1992, 184 pages.
39. **Studies in deracemisation of racemic ketones** (M R W Venner), December 1992, 197 pages.
40. **Catenated cyclodextrins** (D Armspach), March 1994, 214 pages.
41. **From molecular assemblies to supramolecular arrays** (M Blower), March 1994, 187 pages.
42. **Towards macrocycles with interactive functional groups** (P J Campbell), March 1994, 170 pages.
43. **Synthesis of novel macropolycyclic compounds** (D Guiffrida), January 1994, 120 pages.
44. **Chemically-modified and immobilised cyclodextrins as molecular reaction vessels** (E Y Hartwell), September 1994, 245 pages.
45. **Chemically-modified  $\alpha$ -cyclodextrins as building blocks in supramolecular chemistry** (R Königer), November 1994, 107 pages.
46. **From self-assembly to self-organisation** (J A Preece), December 1994, 117 pages.
47. **From supramolecular arrays to molecular assemblies** (W Hayes), November 1995, 130 pages.
48. **Self-assembling systems** (S Iqbal), December 1995, 151 pages.
49. **Self-assembly of catenanes and rotaxanes** (F M Raymo), February 1996, 139 pages.
50. **Chiral molecular assemblies and supramolecular arrays** (D Pasini), November 1996, 127 pages.
51. **Self-assembly and self-organisation of molecular compounds containing complementary  $\pi$ - $\pi$  interacting units** (C G Claessens), January 1997, 136 pages.
52. **From chemically-modified cyclodextrins to synthetic cyclic oligosaccharides** (G Gattuso), January 1997, 121 pages.
53. **The self-assembly of catenanes** (R E Gillard), March 1997, 117 pages.
54. **Insight into dendrimers and their role as catalysts** (A N Shipway), March 1997, 122 pages.
55. **The self-assembly of novel molecular compounds and their potential device-like properties** (M Gómez-López), May 1997, 130 pages.
56. **The genesis of a novel class of interlocked molecular compounds** (C Schiavo), May 1997, 130 pages.
57. **Studies in self-assembly** (S P Newton), July 1997, 99 pages.
58. **Synthetic chemistry of the noncovalent bond** (M C T Fyfe), September 1997, 115 pages.
59. **Novel polymeric architectures** (C Hamers), September 1997, 116 pages.
60. **Template-directed syntheses of mechanically-interlocked compounds** (J Bravo), October 1998, 144 pages.
61. **Carbohydrate dendrimers** (B Colonna), December 1998, xxx pages.
62. **Efficient synthetic methods toward  $\beta$ -cyclodextrin dimers and new interlocked molecules** (S-H Chiu), 2000, 147 pages.
63. **Fine tuning a molecular recognition site** (S K Hickingbottom), 2001, 194 pages.
64. **Cyclodextrin-based cluster compounds** (D A Fulton), 2001, 186 pages.
65. **Some adventures in secondary ammonium ion binding** (S J Cantrill), 2001, 254 pages.
66. **Computers and supramolecular chemistry** (A R Pease), 2001, 291 pages.
67. **Operating molecular machines in solution and on surfaces** (J Cao), 2001, 146 pages.
68. **From supramolecular bundles toward noncovalent polymers** (J N Lowe), 2001, 143 pages.
69. **Constructing carbohydrate-based multivalent scaffolds for studying carbohydrate-protein interactions** (S A Kalovidouris), 2002, 130 pages.
70. **Synthesis and functions of molecular switches, shuttles and dendrimers containing rotaxane components** (A M Elizarov), 2002, 138 pages.
71. **Template- and structure-directed approaches for the preparation of tetraarylcyclobutanes** (D G Amirsakis), 2002, 170 pages.
72. **Mechanically interlocked molecules beyond catenanes and rotaxanes** (T Chang), 2003, 180 pages.
73. **Design and construction of chemically controlled molecular muscles** (J-Y Han), 2004, 181 pages.
74. **Carbohydrate-containing polymers and macrocycles** (A Nelson), 2004, 197 pages.
75. **Functional molecular machines** (Y Liu), June 2004, 170 pages.
76. **Exploring dynamics and stereochemistry in mechanically-interlocked compounds** (S A Vignon), June 2005, 173 pages.
77. **Powering nanoscale machines with light and electrons** (S Saha), June 2005, 195 pages.
78. **Synthetic and theoretical studies of the formation and dynamic properties of mechanically interlocked molecules** (B H Northrop), September 2006, 207 pages.
79. **Molecular switches for nano-scale devices** (S Kang), 2006, 132 pages.
80. **Structural control of molecular machines** (A Braunschweig), 2006
81. **Template-directed chemistry under thermodynamic control** (C S Joiner Jr), 2007

82. **Molecular Borromean rings and Solomon links** (C D Meyer), 2007, 178 pages.
83. **Synthesis of mechanically interlocked molecules using dynamic covalent chemistry** (K E Griffiths), 2008, 185 pages.
84. **Some adventures in dynamic covalent chemistry** (P Haussmann), 2008, 125 pages.
85. **Dancing with interlocked molecules: The generation of molecular motion for drug delivery Applications and harnessing molecular recognition to create and manipulate exotic structures** (K B Patel), 2009, 183 pages.
86. **I: Hydrodynamic-focusing microreactor. II: Mechanically interlocked molecules for functional materials** (K K Coti), 2009, 172 pages.
87. **Synthesis and studies of redox active rotaxanes** (J-C Olsen), 2009, 166 pages.
88. **The application of copper-catalyzed reactions for the efficient synthesis of donor-acceptor mechanically interlocked molecules as well as for nanoscale surface patterning** (J M Spruell), 2009, 168 pages.
89. **Polymers and metal-organic frameworks containing mechanically interlocked components** (W Zhang), 2010, 141 pages.
90. **The materials chemistry of the mechanical bond and its supramolecular precursors: Their formation under kinetic and thermodynamic control** (M A Olson), 2010, 198 pages.
91. **Fundamental investigations of the self-assembly process of charged host and guest species for molecular electronics and light-harvesting applications** (T B Gasa), 2010, 147 pages.
92. **Expanding the scope on switchable mechanically interlocked molecules** (L Fang), 2010, 242 pages.
93. **Structural control of donor-acceptor mechanically interlocked molecules and supramolecular complexes** (D C Friedman), 2010, 141 pages.
94. **Lock-Arm Supramolecular Ordering: A self-assembly platform for functional organic crystals** (A K Shveyd), 2011, 93 pages.
95. **From molecular meccano to nano-functional materials for molecular electronics applications** (C-H Sue), 2011, 125 pages.
96. **Dynamic imine chemistry in template-directed synthesis of polyrotaxanes under thermodynamic control** (M E Belowich), 2011, 201 pages.
97. **Functionalized cyclophanes incorporated into molecular architectures and mechanized materials** (M M Boyle), 2012, 122 pages.
98. **Mechanized silica nanoparticles: A new frontier in theranostic medicine** (M W Ambrogio), 2012, 97 pages.
99. **The incorporation of radical pairing interactions into mechanically interlocked molecules** (H Li), 2013, 175 pages.
100. **Diazaperopyrenium dications: pioneering a class of perylene derivatives and their use in mechanically interlocked molecules and applications** (A N Basuray), 2013, 141 pages.
101. **The radical and materials chemistry of mechanically interlocked molecules** (G Barin), 2013, 237 pages.
102. **Molecular switches based on donor-acceptor, radical and Coulombic interactions – From solution, to solid-state application** (A C Fahrenbach), 2013, 305 pages.
103. **Rotaxanes and photovoltaic materials based on pi-conjugated donors and acceptors: Toward energy transduction on the nanoscale** (C J Bruns), 2013, 488 pages.
104. **Expanding the role of viologens in supramolecular chemistry through radical-based integrated materials and as hosts for polycyclic aromatic hydrocarbons** (J C Barnes), 2014, 319 pages.
105. **Functionalization of pillararene macrocycles** (N L Strutt), 2014, 202 pages.
106. **Synergizing noncovalent bonding interactions in the self-assembly of organic charge-transfer ferroelectrics and metal-organic frameworks** (D Cao), 2014, 168 pages.
107. **The chemical and topological implications of cyclobis(paraquat-*p*-phenylene) substitution** (A K Blackburn), 2015, 262 pages.
108. **Rational design and structure-property relationships of spatially confined pi-electron-deficient aromatic surfaces** (A-J Avestro), 2015, 320 pages.
109. **Fundamental Development and Practical Applications of Cooperative Capture Synthesis** (X Hou), 2016, 226 pages.
110. **Design and construction of artificial molecular pumps** (C Cheng) 2016, 351 pages.
111. **Expanding the Role of Extended Cyclophanes in Supramolecular Chemistry** (E J Dale) 2016, 300 pages.
112. **Radical-pairing interactions in molecular recognition** (Y Wang) 2017, 267 pages.
113. **Rational design and structure-property relationships of diazaperopyrenium dications and metal-organic frameworks** (X Gong), 2019, 185 pages.

## PLENARY & INVITED LECTURES/RESEARCH COLLOQUIA/SEMINARS:

1. **17 October 1973:** University of Sheffield  
*Research Colloquium* : **Crown Ethers and Cryptates**
2. **9 April 1974:** H M Powell Symposium/Oxford  
*Lecture* : **The Conformational Behaviour of Some Twelve-Membered Ring Compounds**
3. **24 September 1974:** Autumn Meeting of the Chemical Society/University of Leicester  
*Lecture* : **Synthesis of Football Ligands**
4. **30 October 1974:** Huddersfield Polytechnic  
*Research Colloquium* : **Crowns and Footballs**
5. **15 July 1975:** Fourth International Symposium on Synthetic Organic Chemistry/University of Cambridge  
*Lecture* : **The Synthesis and Isolation of Conformational Diastereo-isomers of N,N,N-Trisubstituted Trianthranilides**
6. **17 December 1975:** University of Nottingham  
*Research Colloquium* : **Lock and Key Chemistry with Crown Ethers**
7. **15 March 1976:** University of Sheffield  
*Research Colloquium* : **Lock and Key Chemistry with Crown Ethers**
8. **30 March 1976:** Princeton University/New Jersey  
*Research Seminar* : **Lock and Key Chemistry with Crown Ethers**
9. **31 March 1976:** Central Research Laboratory/Dupont/Wilmington  
*Research Seminar* : **Lock and Key Chemistry with Crown Ethers**
10. **2 April 1976:** Columbia University/New York  
*Research Seminar* : **Lock and Key Chemistry with Crown Ethers**
11. **8 April 1976:** Centennial American Chemical Society Meeting/New York  
*Main Lecture* at Symposium on Asymmetry in Carbohydrates: **The Use of Symmetry and Carbohydrates in the Design of Cryptands**  
*Research Seminar* : **Lock and Key Chemistry with Crown Ethers**
12. **9 April 1976:** Syracuse University/New York State
13. **12 April 1976:** McGill University/Montreal  
*Research Seminar* : **Lock and Key Chemistry with Crown Ethers**
14. **13 April 1976:** National Research Council of Canada/Ottawa  
*Research Seminar* : **Lock and Key Chemistry with Crown Ethers**
15. **14 April 1976:** Queen's University/Kingston/Ontario  
*Research Seminars* : **Lock and Key Chemistry with Crown Ethers, Conformational Isomerism among Trianthranilide Derivatives**
16. **20 April 1976:** York University/Toronto  
*Research Seminar* : **Lock and Key Chemistry with Crown Ethers**
17. **11 May 1976:** Symposium on Host-Guest Chemistry/University of Manchester  
*Supporting Lecture* to Prof D J Cram's Centenary Lecture : **Configurationally Chiral Cryptands and their Cryptates**
18. **13 May 1976:** Symposium on Crown Ethers and Selective Molecular Complexation/University College London  
*Supporting Lecture* to Prof D J Cram's Centenary Lecture : **Configurationally Chiral Cryptands and their Cryptates**
19. **21 September 1976:** Autumn Meeting of the Chemical Society/University of Sheffield  
*Lecture* : **The Synthesis and Properties of Some Chiral Diaza-Crowns**
20. **12 October 1976:** Imperial College London  
*Research Colloquium* : **Conformational Assignments of Trianthranilide Derivatives: Fast Reactions and Slow Conformational Changes**
21. **13 October 1976:** University of Edinburgh  
*Research Colloquium* : **A Decade of Crowns**
22. **12 November 1976:** University of Glasgow  
*Research Colloquium* : **Lock and Key Chemistry with Crowns**

23. **17 November 1976:** University of Salford/Manchester  
*Research Colloquium : Lock and Key Chemistry with Crowns*
24. **18 November 1976:** University of Oxford  
*Research Colloquium : Lock and Key Chemistry with Crowns*
25. **1 April 1977:** Annual Chemical Congress of The Chemical Society/London  
*Plenary Lecture at Symposium on Stereochemistry : Lock and Key Chemistry with Crown Ethers*
26. **15 April 1977:** Pharmaceuticals Division/ICI  
*Research Seminar : To Enzyme Analogues by Lock and Key Chemistry with Crown Compounds*
27. **19 April 1977:** Chemical Society Carbohydrate Discussion Group  
Spring Meeting/University of East Anglia  
*Plenary Lecture : To Enzyme Analogues by Lock and Key Chemistry with Crown Compounds*
28. **2 July 1977:** Organics Division/ICI  
*Research Seminar : To Enzyme Analogues by Lock and Key Chemistry with Crown Compounds*
29. **27 October 1977:** University of Hull  
*Local Chemical Society Lecture : To Enzyme Analogues by Lock and Key Chemistry with Crown Compounds*
30. **7 December 1977:** UMIST/Manchester  
*Research Colloquium : To Enzyme Analogues by Lock and Key Chemistry with Crown Compounds*
31. **14 December 1977:** Allen & Hanburys Research/Ware  
*Research Seminar : To Enzyme Analogues by Lock and Key Chemistry with Crown Compounds*
32. **16 January 1978:** Allied Chemical Corporation/Morristown/New Jersey  
*Research Seminar : To Enzyme Analogues by Lock and Key Chemistry with Crown Compounds*
33. **17 January 1978:** Dow Chemical USA/Wayland  
*Research Seminar : To Enzyme Analogues by Lock and Key Chemistry with Crown Compounds*
34. **18 January 1978:** Massachusetts Institute of Technology  
*Research Seminar : To Enzyme Analogues by Lock and Key Chemistry with Crown Compounds*
35. **20 January 1978:** Dalhousie University/Halifax  
*Research Seminar : To Enzyme Analogues by Lock and Key Chemistry with Crown Compounds*
36. **24 January 1978:** Central Research Department/Dupont/Wilmington  
*Research Seminar : To Enzyme Analogues by Lock and Key Chemistry with Crown Compounds*
37. **25 January 1978:** ICI Americas/Wilmington  
*Research Seminar : To Enzyme Analogues by Lock and Key Chemistry with Crown Compounds*
38. **27 January 1978:** Union Carbide Corporation/South Charleston  
*Research Seminar : To Enzyme Analogues by Lock and Key Chemistry with Crown Compounds*
39. **30 January 1978:** University of Georgia/Athens  
*Research Seminar : To Enzyme Analogues by Lock and Key Chemistry with Crown Compounds*
40. **1 February 1978:** Duke University/North Carolina  
*Research Seminar : To Enzyme Analogues by Lock and Key Chemistry with Crown Compounds*
41. **3 February 1978:** University of North Carolina/Chapel Hill  
*Research Seminar : To Enzyme Analogues by Lock and Key Chemistry*

- with Crown Compounds**
42. **6 February 1978:** Brigham Young University/Utah  
*Research Seminar : To Enzyme Analogues by Lock and Key Chemistry with Crown Compounds*
43. **2 March 1978:** University of California at Los Angeles  
*Research Seminar : Bringing Crowns from Sheffield or Carrying Coals to Newcastle*
44. **31 March 1978:** University of British Columbia/Vancouver  
*Research Seminar : Carbohydrates, Crown Ethers and Enzyme Analogues*
45. **3 April 1978:** University of Calgary/Alberta  
*Research Seminar : Carbohydrates, Crown Ethers and Enzyme Analogues*
46. **4 April 1978:** University of Alberta/Edmonton  
*Research Seminar : Carbohydrates, Crown Ethers and Enzyme Analogues*
47. **6 April 1978:** University of Waterloo/Ontario  
*Research Seminar : Carbohydrates, Crown Ethers and Enzyme Analogues*
48. **12 April 1978:** Ninth International Symposium on Carbohydrate Chemistry/London  
*Tate and Lyle Lecture : From Carbohydrates to Enzyme Analogues*
49. **13 April 1978:** International Conference on Enzymic and Non-Enzymic Catalysis/City University London  
*Invited Lecture : The Design and Development of Enzyme Analogues*
50. **26 April 1978:** University of Newcastle  
*Research Colloquium : From Carbohydrates to Enzyme Analogues*
51. **29 January 1979:** Plant Protection Division/ICI  
*Research Seminar : Molecular Receptor*
52. **15 March 1979:** University College of North Wales/Bangor  
North Wales Section of the CS/RIC and the UCNW  
Students' Chemical Society  
*Lecture : Old Crowns and New Chemistry*
53. **6 April 1979:** Mond Division/ICI  
*Research Seminar : Old Crowns and New Chemistry: Stereochemical Principles in the Design and Function of Synthetic Molecular Receptors*
54. **3 May 1979:** Bürgenstock Stereochemistry Conference/Switzerland  
*Plenary Lecture : Old Crowns and New Chemistry: Stereochemical Principles in the Design and Function of Synthetic Molecular Receptors*
55. **19 May 1979:** Gregynog Conference/Wales  
*Lecture : On the Stereochemistry of Noncovalent Interactions in Complexes of Synthetic Receptor Molecules*
56. **22 May 1979:** NATO Advanced Study Institute/Parma/Italy  
*Two Lectures at Summer School on Bioenergetics and Thermodynamics: Model Systems: Holes and Handedness: Meeting the Requirements of Primary Binding and Chirality in Enzyme Analogues Handles and Hopes: Meeting the Requirements of Secondary Binding and Functionality in Enzyme Analogues*
57. **20 June 1979:** University of Liverpool  
*Research Colloquium : Old Crowns and New Chemistry: Stereochemical Principles in the Design and Function of Synthetic Molecular Receptors*
58. **26 June 1979:** Gordon Conference on Carbohydrates  
Tilton/NH  
*Main Lecture : Ups and Downs on the Way from Carbohydrates to Enzyme Analogues*
59. **6 August 1979:** Third Symposium on Macrocyclic Compounds  
Brigham Young University  
*Plenary Lecture : Synthetic Chiral Receptor Molecules from Natural Products*
60. **8 August 1979:** Ciba-Geigy Corporation/Summit/NJ



61. *Research Seminar* : **Old Crowns and New Chemistry: Stereochemical Principles in the Design and Function of Synthetic Molecular Receptors**  
**10 August 1979:** University of Toronto
62. *Research Seminar* : **Old Crowns and New Chemistry: Stereochemical Principles in the Design and Function of Synthetic Molecular Receptors**  
**13 August 1979:** Seventh International Congress of Heterocyclic Chemistry  
Tampa/Florida
63. *Plenary Lecture* : **Old Crowns and New Chemistry: Molecular Receptors and Intermolecular Conformational Analysis**  
**18 October 1979:** University College of Swansea
64. *Research Colloquium* : **Old Crowns and New Chemistry: Molecular Receptors and Intermolecular Conformational Analysis**  
**23 October 1979:** Corporate Laboratory/ICI
65. *Lecture* : **Stereoselective Synthesis**  
**7 February 1980:** University of Southampton
66. *Chemical Society Lecture* : **Old Crown (ethers) and New Chemistry**  
**13 February 1980:** University of Sheffield
67. *Research Colloquium* : **Towards a Stereochemical Understanding of Intermolecular Interactions and Reactions with Synthetic Receptor Molecules**  
**30 April 1980:** University of Birmingham
68. *Research Colloquium* : **Towards a Stereochemical Understanding of Intermolecular Interactions and Reactions with Synthetic Receptor Molecules**  
**17 May 1980:** Gregynog Conference/Wales
69. *Lecture* : **Conformational Studies on Crown Ether Complexes**  
**8-9 May 1980:** Royal Society Conversazione  
(with W D Ollis, D Rogers and D J Williams)
70. *Presentation* : **Macrocyclic Molecules - Fact and Fantasy**  
**26 June 1980:** Royal Society Conversazione  
(with W D Ollis, D Rogers and D J Williams)
71. *Presentation* : **Macrocyclic Molecules - Fact and Fantasy**  
**17 July 1980:** Stuart Pharmaceuticals/ICI Americas
72. *Research Seminar* : **Crown Ether Receptors: Chemistry beyond the Molecule**  
**23 July 1980:** Gordon Conference on Stereochemistry/Plymouth/NH
73. *Lecture* : **Stereochemistry of Crown Ether Complexes**  
**22 September 1980:** International Symposium on Clathrate Compounds and Molecular Inclusion Phenomena/Warsaw/Poland
74. *Plenary Lecture* : **Crown Ether Inclusion Complexes**  
**26 September 1980:** Symposium on Recent Progress in Anion Activation  
Paris/France
75. *Invited Lecture* : **Chiral Crown Ethers**  
**1-5 December 1980:** Texas A & M University  
*Visiting Professorship* contributing a Graduate Course on Frontiers in Chemical Research  
Five Lectures entitled :  
(a) **Crown Ethers I. Coronated Transition Metal Complexes**  
(b) **Synthesis and Conformational Behaviour of Trianthranilide Derivatives**  
(c) **Crown Ethers II. Towards a Stereochemical Understanding of the Nature of Noncovalent Bonds in Crown Ether Complexes**  
(d) **Progress towards the Stereoselective Synthesis of the Pentitols**  
(e) **Crown Ethers III. Enzyme Analogues to Order?**
76. **17 December 1980:** Sheffield Stereochemistry Symposium  
*Invited Lecture* : **Coronated Transition Metal Complexes**
77. **11 February 1981:** University of East Anglia/Norwich  
*Research Colloquium* : **Coronated Transition Metal Complexes**

78. **12 February 1981:** University of Keele/North Staffordshire Section of the RSC  
*Invited Lecture : Old Crown (Ethers) and New Chemistry*
79. **29 February 1981:** Glaxo Group Research Ltd/Ware  
*Research Seminar : Coronated Transition Metal Complexes*
80. **11 March 1981:** University of Durham  
*Organic Chemistry Colloquium : Stereochemical Principles in the Function and Synthesis of Crown Ethers*
81. **12 March 1981:** University College London/RSC Symposium on Molecular Association and Reactivity  
*Invited Lecture : Coronated Transition Metal Complexes*
82. **19 March 1981:** Sheffield University  
*Two Schools Lectures : Chemical Holes*
83. **22-25 March 1981:** 26 OHOLO Biological Conference/Israel  
*Plenary Lecture (presented by Dr D A Laidler) : Stereochemical Principles in the Function and Synthesis of Crown Ethers*
84. **7-9 April 1981:** University of Surrey/Annual Chemical Congress/  
Faraday Society Symposium on Thermodynamics of  
Metal Ion Complexing with Crown Ethers and Cryptands  
*Invited Lecture : Stereochemical Principles in the Function and Synthesis of Crown Ethers*
85. **29 April 1981:** University College/Cork/Eire  
*Research Colloquium : Stereochemical Principles in the Function and Synthesis of Synthetic Molecular Receptors*
86. **30 April 1981:** University College/Dublin/Eire  
*Research Colloquium : Stereochemical Principles in the Function and Synthesis of Synthetic Molecular Receptors*
87. **7 May 1981:** ICI Corporate Laboratory/Runcorn  
*Discussion Group Meeting Lecture : Coronated Transition Metal Complexes*
88. **19-24 July 1981:** University of Bristol/International Symposium on the Chemistry of the Platinum Group Metals  
*Lecture : Second Sphere Coordination of Neutral and Cationic Metal Complexes of the Platinum Group by Crown Ethers*
89. **21 October 1981:** University of Sheffield  
*Inorganic Chemistry Research Seminar : Second Sphere Coordination of Transition Metal Complexes by Crown Ethers*
90. **3 December 1981:** Fine Chemical Group of the Society of Chemical Industry at Belgrave Square/London  
*Evening Lecture : Stereochemical Principles in the Function and Synthesis of Molecular Receptors based on Crown Ethers*
91. **19 July 1982:** Smith, Kline & French Research Labs/The Frythe/Welwyn  
*Invited Lecture : Whence and Whither Supramolecular Chemistry*
92. **2 September 1982:** Second International Symposium on Clathrate Compounds and Molecular Inclusion Phenomena/Parma  
*Plenary Lecture : Second Sphere Coordination of Transition Metal Complexes by Crown Ethers*
93. **6-8 September 1982:** University of Messina/Italy  
*Visiting Lectureship to give two Lectures :*  
(a) **Supramolecular Chemistry with Crown Ethers and Carbohydrates**  
(b) **Second Sphere Coordination of Transition Metal Complexes by Crown Ethers**
94. **22-29 October 1982:** Middle Rhine Lecture Tour/Basel/Freiburg/Karlsruhe/  
Mulhausen/Strasbourg  
*Lecture : Whence and Whither Supramolecular Chemistry*
95. **7 December 1982:** Shell Research/Amsterdam  
*Invited Lecture : Whence and Whither Supramolecular Chemistry*

96. **8 December 1982:** Twente University of Technology/Enschede/Holland  
*Research Seminar : Whence and Whither Supramolecular Chemistry with Crown Ether Receptor Molecules*
97. **9 December 1982:** University of Leiden/Holland  
*Research Seminar : Whence and Whither Supramolecular Chemistry with Crown Ether Receptor Molecules*
98. **10 December 1982:** University of Lancaster/NW England Section of the RSC  
*Invited Lecture : Coronated Transition Metal Complexes*
99. **29 March 1982:** Heriot-Watt University/Royal Society of Edinburgh Hirst Symposium  
*Invited Lecture : Supramolecular Chemistry with Crown Ethers and Carbohydrates*
100. **30 March 1982:** University of Sheffield/Sheffield-Leeds Organometallic Symposium  
*Poster (with H M Colquhoun, S M Doughty, and D J Williams):  
Second Sphere Coordination - A New Role for Crown Ethers*
101. **11 August 1983:** Second European Symposium on Carbohydrates and Glycoconjugates/Budapest  
*Plenary Lecture : Supramolecular Chemistry with Crown Ethers and Carbohydrates*
102. **13 September 1983:** International Symposium on Models of Enzyme Action/University of Sussex  
*Invited Lecture : Crown Ethers as Molecular Receptors for Transition Metal Complexes*
103. **21 September 1983:** RSC Autumn Meeting/Perkin Division Symposium on College Swansea  
*Invited Lecture : The Design and Synthesis of Receptor Molecules of the Crown Ether Type*
104. **25 Sept-2 Oct 1983:** Lecture Tour of Poland at Invitation of Polish Academy of Science/Warsaw/Gdansk/Lodz  
*Lecture : Crown Ethers as Molecular Hosts for Transition Metal Complexes and Related Guests*
105. **9-11 April 1984:** RSC Carbohydrate Group Meeting/Queen Elizabeth College London  
*Lecture : A Stereospecific Synthesis of out-out Isomers of Macrobicyclic Polyethers with Carbon Bridgeheads from D-mannitol*
106. **18-21 May 1984:** Gregynog Symposium/Wales  
*Lecture : Enantioselective Reductions with Chiral Borane-Ammonium Crown Ether Complexes*
107. **30 May 1984:** New Process Technology Symposium/ICI Organics Division/Blackley  
*Invited Lecture : Stereoselective Synthesis*
108. **21 August 1984:** University of Groningen/The Netherlands  
*Research Seminar : Crown Ethers as Molecular Receptors and Reagents*
109. **22 August 1984:** University of Oldenburg/Germany  
*Research Seminar : Crown Ethers as Molecular Receptors and Reagents*
110. **23 August 1984:** University of Munster/Germany  
*Research Seminar : Crown Ethers as Molecular Receptors and Reagents*
111. **24 August 1984:** University of Bonn/Germany  
*Research Seminar : Crown Ethers as Molecular Receptors and Reagents*
112. **27-30 August 1984:** Fifth International Conference on Organic Synthesis/ (IUPAC)/Freiburg/Germany  
*Invited Lecture : The Stereospecific Synthesis of Macrobicyclic and Macropolycyclic Polyethers from Carbohydrate Precursors*
113. **6-8 November 1984:** University of Messina/Sicily/Italy  
*Visiting Lectureship to give two Lectures :*  
(a) **Crown Ether Adducts of Organometallic and Inorganic Complexes**  
(b) **The Design and Synthesis of Molecular Receptors for Bipyridinium Herbicides**
114. **9 November 1984:** Symposium on Supermolecules: Biological and Chemical Aspects/L'Accademia Nazionale dei Lincei/Rome/Italy

115. *Plenary Lecture* : **Crown Ethers as Molecular Receptors and Reagents**  
**12 December 1984:** Macrocylic Mini-symposium/Cambridge  
*Short Lecture* (presented by Dr H Shahriari-Zavareh) : **Enantioselective Reductions of Aromatic Ketones with Ammonia-Borane Complexes of Chiral Tetraphenyl-18-crown-6 Derivatives**
116. **13 December 1984:** Newcastle University  
*Schools Lecture* : **Chemical Holes**
117. **22 January 1985:** Symposium on Progress in Heterocyclic Chemistry/  
 Scientific Societies Lecture Theatre/Saville Row  
*Invited Lecture* : **Crown Ethers as Molecular Receptors and Reagents**
118. **7 March 1985:** Dyson Perrins Laboratory/University of Oxford  
*Research Colloquium* : **Crown Ethers as Molecular Receptors and Reagents**
119. **1 April 1985:** RSC Carbohydrate Group Spring Meeting/Bristol  
*Contributed Paper* (given by Mr D R Alston) : **Second Sphere Coordination of Transition Metal Complexes by Cyclodextrins**
120. **27-31 May 1985:** Lecture Tour in Italy/Messina/Catania/Bologna  
*Four Lectures* :  
 (a) **Stereoselective Synthesis**  
 (b) **Cyclodextrins as Second Sphere Ligands for Transition Metal Complexes**  
 (c) **Crown Ethers as Receptors and Reagents**  
 (d) **Second Sphere Coordination of Transition Metal Complexes**
121. **8-13 September 1985:** 30th IUPAC Congress of Pure and Applied Chemistry/Manchester  
*Invited Lecture* : **Enantioselective Synthesis with Chiral Reagent Complexes**
122. **15 November 1985:** Wyeth Research (UK) Ltd  
*Invited Lecture* : **Chemistry goes Extramolecular: Natural and Synthetic Molecular Receptors**
123. **10 December 1985:** Smith Kline & French Research Ltd  
*Two Invited Lectures* :  
 (a) **Enantioselective Synthesis with Chiral Reagent Complexes**  
 (b) **Designing and Synthesising Molecular Receptors for Diquat and Paraquat: A Lesson in the Interdisciplinary Approach to Chemical Research**
124. **4 February 1986:** ICI Organics Division Two Day Seminar  
*After-Dinner Introductory Lecture* : **What Future Chemical Science and Technology?**
125. **20 February 1986:** RSC Local Section/Manchester University  
*Schools Lecture* : **Chemical Holes and Catalysis**
126. **26 February 1986:** Manchester University  
*Organic Chemistry Research Colloquium* : **Making Molecular Receptors for Diquat and Paraquat: A Tale in Symbiotic Research**
127. **27 February 1986:** Birmingham University  
*Inorganic Chemistry Research Colloquium* : **Extramolecular Chemistry**
128. **14 March 1986:** ICI Plant Protection Division/Bracknell  
*Lecture* : **Complexing Paraquat and Diquat**
129. **23 March-6 April 1986:** Lecture Tour at invitation of USSR Academy of Sciences/  
 Moscow/Odessa  
*Lectures* : **Chemistry of the Noncovalent Bond: Molecular Receptors for Bipyridinium Herbicides**
130. **10 April 1986:** RSC Annual Chemical Congress/Warwick/  
 Symposium on Chemistry and the Media  
*Lecture* : **Academic Chemistry in Britain: Towards a Brighter Future**
131. **24-25 April 1986:** Organic Division of the Royal Netherlands Chemical  
 Society Symposium on Molecular Recognition/Wageningen  
*Plenary Lecture* : **Second Sphere Coordination: New Horizons for Molecular Receptors**
132. **22-23 May 1986:** Table Ronde Roussel UCLAF/Paris

133. *Invited Lecture* : **Extramolecular Chemistry: Art as well as Science**  
**25-28 May 1986:** Fourth International Symposium on Bio-organic  
Heterocycles/Hengelhoeft/Belgium
134. *Plenary Lecture* : **Design and Synthesis of Molecular Receptors for Bipyridinium Herbicides**  
**5-10 May 1986:** University of Messina/Italy
135. *Lecture Course (6 Lectures)* : **Contemporary Carbohydrate Chemistry**  
**20 June 1986:** Smith Kline & French Ltd/R & D/Tonbridge
136. *Lecture* : **Enantioselective Synthesis and Catalysis**  
**1-4 September 1986:** XI International Symposium on Macrocyclic Chemistry/Florence/Italy
137. *Lecture* : **Enantioselective Synthesis and Catalysis**  
**29-31 October 1986:** Sheffield Industrial Forum
- Research Theme Lecture* : **Design and Synthesis of Novel Organic Zeolites**  
Also contributions to the Refresher Course on Asymmetric Synthesis: Fundamentals and Practice
138. *Lectures* : (a) **Introduction to the Course** (b) **Enzyme Models**  
**10-15 November 1986:** University of Messina/Italy
- Lecture Course (6 Lectures)* : **Contemporary Carbohydrate Chemistry**
- Research Colloquium* : **Stereoselective Synthesis: Enzyme Models**
139. **19 November 1986:** University of Liverpool
- Organic Chemistry Colloquium* : **A Lesson in Molecular Recognition: Designing Synthetic  
Molecular Receptors for Diquat and Paraquat**
140. **9 December 1986:** University of Loughborough
- Research Colloquium* : **A Lesson in Molecular Recognition: Designing  
Synthetic Molecular Receptors for Diquat and Paraquat**
141. **18 December 1986:** Biochemical Society Symposium on Enzyme Mimetic  
Systems/University College London
- Plenary Lecture* : **The Extramolecular Chemical Approach to Enzyme Analogues**
142. **19 December 1986:** Beechams Pharmaceuticals Research Division/Great Burgh
- Invited Lecture* : **A Lesson in Molecular Recognition: Designing Synthetic Molecular  
Receptors  
for Diquat and Paraquat**
143. **28 January 1987:** Queen's University/Belfast
- Invited Lecture to the Andrews Club* : **Looking beyond the Molecule into Extramolecular  
Chemistry**
144. **29 January 1987:** University of Ulster/Coleraine
- Invited Lecture* : **A Lesson in Molecular Recognition: Designing Synthetic Molecular  
Receptors  
for Diquat and Paraquat**
145. **2-7 February 1987:** University of Messina/Italy
- Lecture Course (6 Lectures)* : **Crown Ethers**
- Research Seminar* : **Looking beyond the Molecule into Extramolecular Chemistry**
146. **13 February 1987:** Royal Dutch Shell Group/Amsterdam
- Research Seminar* : **The Scope and Fascination of Extramolecular Chemistry**
147. **24 February 1987:** Ministry of Defence/CDE/Porton Down
- Research Seminar* : *The Scope and Fascination of Extramolecular Chemistry*
148. **1 March-30 June 1987:** Ecole Nationale Supérieure de Chimie de Mulhouse
- Lecture Course (20 Lectures)* : **Molecular Recognition and Reaction Selectivity**
- Research Seminar* : **The Scope and Fascination of Extramolecular Chemistry**
149. **29 March-1 April 1987:** RSC Carbohydrate Meeting/Cambridge
- Plenary Lecture* : **Chemically-Modified Cyclodextrins: Complex is Understanding and  
Understanding is Complex**
150. **11-15 May 1987:** University of Messina/Italy
- Lecture Course (10 Lectures)* : **Chiral Crown Ethers**
- Research Seminar* : **Chemically-Modified Cyclodextrins: Complex is Understanding and**

- Understanding is Complex**
151. **29 May 1987:** University of Konstanz  
*Research Seminar : Molecular Belts in the Making*
152. **4 June 1987:** Instituto de Quimica Organica General/CSIC/Madrid  
*Research Seminar : Chemically-Modified Cyclodextrins: Complex is Understanding and Understanding is Complex*
153. **5 June 1987:** Universidad Autonoma de Madrid  
*Organic Chemistry Research Seminar : The Scope and Fascination of Extramolecular Chemistry*
154. **9 June 1987:** Imperial College London  
*Organic Chemistry Research Colloquium : The Scope and Fascination of Extramolecular Chemistry*
155. **17 June 1987:** University of Strasbourg  
*Research Seminar : The Scope and Fascination of Extramolecular Chemistry*
156. **23 June 1987:** University of Bologna  
*Research Seminar : The Scope and Fascination of Extramolecular Chemistry*
157. **24 June 1987:** University of Milan  
*Research Seminar : Molecular Belts in the Making*
158. **13-17 July 1987:** RSC Dalton Division/III International Conference on the Chemistry of Platinum Group Metals/Sheffield  
*Invited Lecture : Second Sphere Coordination of Platinum Group Metal Complexes*
159. **18-19 July 1987:** Macrocyclic Symposium on Bioorganic and Bioinorganic Chemistry/Kyoto University  
*Invited Lecture : Chemically-Modified Cyclodextrins: Complex is Understanding and Understanding is Complex*
160. **19-23 July 1987:** XII International Symposium on Macrocyclic Chemistry/Hiroshima  
*Invited Lecture : Molecular Belts in the Making*
161. **24 July 1987:** Nagasaki University  
*Research Seminar : The Scope and Fascination of Extramolecular Chemistry*
162. **27 July 1987:** Osaka University  
*Research Seminar: Chemically-modified Cyclodextrins: Complex is Understanding and Understanding is Complex*
163. **28 July 1987:** Tohoku University/Sendai  
*Research Seminar: The Scope and Fascination of Extramolecular Chemistry*
164. **29 July 1987:** Tokyo Institute of Technology  
*Research Seminar: Chemically-modified Cyclodextrins: Complex is Understanding and Understanding is Complex*
165. **30 July 1987:** Tokyo University  
*Research Seminar: Molecular Belts in the Making*
166. **30 July 1987:** Teijin Institute for Biomedical Research/Tokyo  
*Research Seminar: The Scope and Fascination of Extramolecular Chemistry*
167. **18 August 1987:** ICI Chemicals & Polymers/Runcorn  
*Research Seminar: The Making of Molecular Belts*
168. **30 Aug–4 Sept 1987:** 194th ACS National Meeting/Symposium on Stereoselective Synthesis of Carbohydrates from Acyclic Precursors / New Orleans  
*Plenary Lecture: Stereoselective Synthesis of Non-Carbohydrates from Cyclic Precursors*
169. **16 September 1987:** Joint RSC/SOMER Industrial Forum on Chemistry/Industrial and Academic/Sheffield  
*Invited Lecture: Knowledge Transfer in the Chemical Sciences at the Academic-Industrial Interface: Lifeline and Lifeblood*
170. **28 October 1987:** King's College London  
*Research Colloquium: In Search of New Synthetic Molecular Materials and Receptors*
171. **2 November 1987:** MIT/Boston/USA

172. *Research Seminar: In Search of New Synthetic Molecular Materials and Receptors*  
**3–6 November 1987:** Joint Japan-US Seminar/Miami
173. *Invited Lecture: The Making of Molecular Belts and Collars*  
**7 November 1987:** Queen's University/Kingston/Canada
174. *Research Seminar: In Search of New Synthetic Molecular Materials and Receptors*  
**9 November 1987:** Michigan State University/East Lansing/USA
175. *Research Seminar: In Search of New Synthetic Molecular Materials and Receptors*  
**10 November 1987:** Kodak/Rochester/USA
176. *Research Seminar: In Search of New Synthetic Molecular Materials and Receptors*  
**2 November 1987:** State University of New York/Stony Brook/USA
177. *Research Seminar: In Search of New Synthetic Molecular Materials and Receptors*  
**13 November 1987:** University of Utah/Salt Lake City/USA
178. *Research Seminar: In Search of New Synthetic Molecular Materials and Receptors*  
**20 November 1987:** University of Warwick
179. *Organic Chemistry Seminar: Natural and Unnatural Molecular Receptors*  
**15 December 1987:** School of Pharmacy/University of London
180. *Research Seminar: The Scope and Fascination of Extramolecular Chemistry*  
**25 January 1988:** University of Cambridge
181. *Organic Chemistry Colloquium: In Search of New Synthetic Molecular Materials and Receptors*  
**22 February 1988:** University of Oxford
- Inorganic Chemistry Colloquium: Second Sphere Coordination as a Supramolecular Phenomenon*  
**2 March 1988:** University of Nottingham
183. *Organic Chemistry Colloquium: In Search of New Synthetic Molecular Materials and Receptors*  
**7 March 1988:** University of Bristol
184. *Organic Chemistry Colloquium: In Search of New Synthetic Molecular Materials and Receptors*  
**28–30 March 1988:** RSC Carbohydrate Meeting/Oxford
185. *Invited Lecture: Conformational Desymmetrisation in Chemically-Modified Cyclodextrins*  
**5-8 April 1988:** Convention Intercantonale Romande  
 d'Enseignement du 3e Cycle en Chemie/Switzerland
- Lecture Course on Supramolecular Chemistry:*  
 Fribourg: **The Fascination and Scope of Supramolecular Chemistry**  
 Lausanne: **Second Sphere Coordination of Transition Metal Complexes by Crown Ethers**  
 Berne: **The Supramolecular Chemical Approach to Enzyme Analogues**  
 Fribourg: **Second Sphere Coordination of Transition Metal Complexes by Cyclodextrins**  
 Fribourg: **The Future of Supramolecular Chemistry: A Personal View**
186. **12–15 April 1988:** RSC Annual Congress/Perkin Division/Symposium on  
 Stereochemistry and  
 Reactivity in Organic Chemistry/University of Kent
187. *Invited Lecture: In Search of New Synthetic Molecular Materials and Receptors*  
**19–22 April 1988:** Fourth International Symposium on Cyclodextrins/Munich
188. *Invited Lecture: Chemically-modified Cyclodextrins as Second Sphere Ligands*  
**20–23 May 1988:** European Symposium on Bioorganic Chemistry/Gregynog
- Invited Lecture: Second Sphere Coordination of Transition Metal Phosphines with Cyclodextrins*
189. **4–8 September 1988:** 13th International Symposium on Macrocyclic  
 Chemistry/Hamburg/Germany
- Plenary Lecture: Evolution of Molecular Belts and Collars*
190. **18–23 September 1988:** Fifth International Symposium on Inclusion Phenomena and  
 Molecular  
 Recognition/Orange Beach / Alabama / USA
191. *Invited Lecture: Shaping Molecular Receptors Inside-out and Shaking Them All About*  
**26–28 September 1988:** XIII European Colloquium on Heterocyclic  
 Chemistry/University of Fribourg/Switzerland

192. *Plenary Lecture: Molecular Belts and Collars*  
**26 October 1988:** University of Edinburgh  
*Inorganic Chemistry Colloquium: Second Sphere Coordination as a Supramolecular Phenomenon*
193. **30 November 1988:** UMIST  
*Research Colloquium: Stereoelectronically-Controlled Molecular 'LEGO' Sets*
194. **19 January 1989:** University of Strathclyde  
*Local RSC Lecture: Molecular Belts and Collars in the Making*
195. **23 January 1989:** University of Sussex  
*General Seminar: Molecular 'LEGO'*
196. **8 February 1989:** University College London/Birkbeck College  
*Research Colloquium: Substrate-Directed Synthesis*
197. **13 February 1989:** University College Cardiff  
*Local RSC Lecture: Stereoelectronically-Controlled Molecular 'LEGO' Sets*
198. **5–7 April 1989:** University of Miami/USA  
*Research Seminar: Structure-Directed Synthesis*
199. **10 April 1989:** 197th ACS National Meeting/Hudson Symposium  
 Carbohydrate Division/Dallas/USA  
*Plenary Lecture: Chemically-Modifying Cyclodextrins*
200. **17–21 April 1989:** International Symposium on Chemical and  
 Biochemical Problems in Molecular Recognition/Exeter  
*Invited Lecture: Structure-Directed Synthesis*
201. **15–17 May 1989:** First Stanislao Cannizzaro Workshop on  
 Molecular Recognition / Enna / Italy  
*Plenary Lecture: Molecular Recognition and Unnatural Product Synthesis*
202. **18 May 1989:** University of Messina  
*Research Seminar: Molecular Recognition and Unnatural Product Synthesis*
203. **12 June 1989:** ICI Agrochemicals  
*Research Seminar: Structure-Directed Synthesis*
204. **2–6 July 1989:** International Meeting on Storage and Transfer of  
 Molecular Information / Strasbourg / France  
*Invited Lecture: Molecular Recognition in Chemical Systems*
205. **11 July 1989:** BP Sunbury  
*Research Seminar: Molecular Recognition in Chemical Systems*
206. **22 August 1989:** Ciba-Geigy / Basel / Switzerland  
*Open Lecture: Structure-Directed Synthesis: A New Approach to Novel Materials*
207. **27 Aug–1 Sept 1989:** Workshop on Supramolecular Organic Chemistry  
 and Photochemistry / Saarbrücken / Germany  
*Plenary Lecture : Template-Directed Synthesis of Polymolecular Assemblies*
208. **11–15 September 1989:** Symposium on Molecular Recognition at BA  
 Advancement of Science Meeting/Sheffield  
*Invited Lecture: Molecular LEGO*
209. **14 September 1989:** Joint Symposium: Biochemical Society/DTI  
*Invited Lecture: Design and Synthesis of Enzyme Analogues*
210. **21 September 1989:** Kodak Ltd/Harrow  
*Research Seminar: The Template-Directed Synthesis of New Organic Materials*
211. **29 September 1989:** Symposium on Organised Molecular Systems in  
 Chemical and Physical Processes/Parma/Italy  
*Invited Lecture: Molecular LEGO: The Template-Directed Synthesis of New Organic Materials*
212. **16 November 1989:** Royal Holloway and Bedford College London  
*Student Chemical Society Lecture: Molecular LEGO*
213. **28 November 1989:** RSC Local Section/South Wales/University  
 College Swansea  
*Invited Lecture: Molecular Abacuses and Chains Made to Order*



214. **7 December 1989:** Fisons Pharmaceuticals/Loughborough  
*Research Seminar: Structure-Directed Synthesis*
215. **11 December 1989:** Universität Mainz  
*Research Seminar: Recognition in Molecular Self-Assembly Processes*
216. **12 December 1989:** Gesellschaft Deutscher Chemiker / Universität Bonn  
*Invited Lecture: Molecular LEGO: Template-Directed Synthesis of New Organic Materials*
217. **15 December 1989:** CSIC Madrid  
*Invited Lecture: Molecular Cybernetics: Template-Directed Synthesis of Molecular Assemblies*
218. **18 December 1989:** Rhône Poulenc/Lyon  
*Research Seminar: The Template-Directed Synthesis of New Organic Materials*
219. **12 January 1990:** SERC Molecular Electronics Town Meeting/London  
*Short Lecture: Modular Chemical Approaches to Molecular Self-Processes*
220. **29 January 1990:** Half-Day Symposium on Novel Molecules/Bristol  
*Invited Lecture: Rotaxanes and Catenanes Made to Order*
221. **5 February 1990:** ETH Zürich  
*Invited Colloquium: Rotaxanes and Catenanes Made to Order*
222. **6 February 1990:** Hoffman La Roche/Basel  
*Research Seminar: Molecular Self-Assembly Processes: Rotaxanes and Catenanes Made to Order*
223. **13 February 1990:** Ecole Polytechnique / Paris  
*Research Seminar: Molecular Self-Assembly Processes: Rotaxanes and Catenanes Made to Order*
224. **23–27 February 1990:** Hüttenseminar on Molecular Amplification and Reinforcement / Fachschafthaus am Shausinsland  
*Lecture: Molecular Recognition: Facts and Future*
225. **28 February 1990:** Beecham Pharmaceuticals / Brockham Park  
*Research Colloquium: Making Molecules to Order by Structure-Directed Synthesis*
226. **1 March 1990:** Student Chemical Society/University of Durham  
*Invited Lecture: Molecular LEGO*
227. **7 March 1990:** RSC Local Section/Leicester  
*Lecture: Molecular LEGO: Substrate-Directed Synthesis*
228. **27 March 1990:** SKF Symposium/Cambridge  
*Lecture: From Enzyme Mimics to Molecular Self-Assembly Processes*
229. **2 April 1990:** Utrecht/The Netherlands  
*Research Seminar: Molecular LEGO: Template-Directed Synthesis of New Organic Materials*
230. **5 May 1990:** David Gutsche Symposium/Washington University/St Louis  
*Lecture: Recognition in Molecular Self-Assembly Processes*
231. **7 May 1990:** UC San Diego/California  
*Research Seminar: Recognition in Molecular Self-Assembly Processes*
232. **9 May 1990:** Caltech/California  
*Research Seminar: Recognition in Molecular Self-Assembly Processes*
233. **10 May 1990:** UCLA/Los Angeles  
*Research Seminar: Recognition in Molecular Self-Assembly Processes*
234. **14 May 1990:** Columbia University/New York  
*Research Seminar: Molecular LEGO: Substrate-Directed Synthesis*
235. **15 May 1990:** Leermakers Symposium/Wesleyan University/ Connecticut  
*Lecture: Recognition in Molecular Self-Assembly Processes*
236. **25–29 June 1990:** Gordon Conference on Biocatalysis / Plymouth State College/NH  
*Lecture: From Enzyme Mimics to Molecular Self-Assembly Processes*
237. **2–5 July 1990:** Ciba Foundation Symposium/London  
*Lecture: Molecular Self-Assembly Processes*
238. **12–13 July 1990:** Roussel Scientific Institute/First Table Ronde / Oxford  
*Lecture: Molecular Self-Assembly Processes*

239. **15–20 July 1990:** CIC Annual Conference/Halifax/Canada  
*Lecture : Recognition in Molecular Self-Assembly Processes*
240. **13–18 August 1990:** XXVIII International Conference on Co-ordination  
Chemistry/Gera/Germany  
*Plenary Lecture : Second Sphere Coordination*
241. **3–8 September 1990:** XV International Symposium on Macrocyclic  
Chemistry/Odessa/USSR  
*Invited Lecture : Molecular LEGO: Rotaxanes and Catenanes Made to Order*
242. **10–15 September 1990:** VI Inclusion Phenomena Symposium/Berlin/Germany  
*Invited Lecture : Molecular Self-Assembly Processes*
243. **16–19 September 1990:** First International Summer School on  
Supramolecular Compounds/Strasbourg/France  
*Invited Lecture : Recognition in Molecular Self-Assembly Processes*
244. **26 September 1990:** Hamburg/Germany  
*Research Seminar : Molecular Meccano: Catenanes and Rotaxanes Made to Order*
245. **27–29 September 1990:** ORCHEM '90/Bad Nauheim / Germany  
*Invited Lecture : Molecular LEGO: Substrate-Directed Synthesis*
246. **17 October 1990:** ICI/Runcorn  
*Lecture : Molecular Self-Assembly Processes*
247. **18 October 1990:** Birmingham/Special Lecture Programme  
*Lecture : Molecular Meccano: Making Molecules to Order*
248. **12 November 1990:** Rhone-Poulenc Rorer Ltd/Dagenham  
*Lecture : Molecular Self-Assembly Processes*
249. **13 November 1990:** University of Kent  
*Research Seminar : Molecular Meccano: Rotaxanes and Catenanes Made to Order*
250. **3–5 December 1990:** SERC/Japan Meeting on Molecular Electronics &  
Bioelectronics/Tokyo  
*Lecture : Making Molecules to Order by Molecular Self-Assembly Processes*
251. **7 December 1990:** Tohoku University / Sendai / Japan  
*Research Seminar : Making Molecules to Order by Molecular Self-Assembly Processes*
252. **7–8 January 1991:** UK Macrocyclic Group/University of Manchester  
*Lecture : Molecular Meccano: Rotaxanes and Catenanes Made to Order*
253. **10 January 1991:** Visiting Speaker Programme at Courtaulds Research/Coventry  
*Lecture : Molecular Meccano: Making Molecules to Order*
254. **16 January 1991:** RSC Local Section/Huddersfield Polytechnic  
*Lecture : Structure-Directed Synthesis*
255. **4–5 February 1991:** Named Lecture and Chemistry Department  
Colloquium/Washington University/St Louis/USA:  
*Lectures : Molecular Meccano: Making Molecules to Order Substrate-Directed Synthesis*
256. **6 February 1991:** University of Illinois/Chicago/USA  
*Research Seminar : Self-Assembly in Organic Synthesis*
257. **7 February 1991:** Pfizer Lecture/Ohio State/Columbus/USA  
*Lecture : Self-Assembly in Organic Synthesis*
258. **8 February 1991:** Pfizer Lecture/Pfizer Laboratories/Gorton/Connecticut/USA  
*Lecture : Self-Assembly in Organic Synthesis*
259. **27 February 1991:** RSC Local Section/Aberdeen  
*Lecture : Molecular Meccano*
260. **1 March 1991:** Clifton College Scientific Society/Clifton College/Bristol  
*Lecture : Molecular Meccano: Making Molecules to Order*
261. **8 March 1991:** Chemical Society's Inaugural Lecture/University College/Dublin  
*Lecture : Molecular Meccano: Making Molecules to Order*
262. **13 March 1991:** Glaxo/Greenford  
*Research Colloquium : Molecular Self-Assembly Processes*
263. **20 March 1991:** University of Southampton

264. *Research Seminar : Molecular Self-Assembly Processes*  
**25 March 1991:** Molecular Recognition Centre/School of Medical Sciences/University of Bristol
265. *Lecture : Molecular Self-Assembly Processes*  
**14–19 April 1991:** Symposium at ACS Meeting on New Polymerization Reactions and Reaction Mechanisms/Atlanta/USA
- Lectures : Structure-Directed Synthesis of Polyacene Derivatives*  
**Template-Directed Synthesis of Polymolecular Assemblies**  
 Symposium at ACS Meeting on Design of Metal Specific Ligands/Atlanta/GA
266. *Lecture : Second Sphere Coordination and Beyond*  
**22 May 1991:** Greater Manchester Symposium/Salford
267. *Lecture : Self-Assembly in Organic Synthesis*  
**3 June 1991:** Merck Sharp & Dohme Research Laboratories/Harlow
268. *Research Seminar : Self-Assembly in Organic Synthesis*  
**13 June 1991:** Bath
269. *Research Colloquium : Molecular Meccano: Making Molecules to Order*  
**5–8 July 1991:** European Research Conference on Supramolecular Chemistry/Le Bischenberg/Strasbourg
270. *Lecture : Molecular Meccano: Making Molecules to Order*  
**30–31 August 1991:** Rank Prize Funds Workshop on Cages, Crowns, and Coulombs/Wordsworth Hotel/Grasmere:
271. *Lecture : Tethering Compounds: Ordering Molecules Around*  
**8–10 September 1991:** EUROCARB VI/Heriot-Watt University/Edinburgh
272. *Invited Lecture : Chemically-Modified Cyclodextrins*  
**11–13 September 1991:** Euchem Conference on Supramolecular Reactivity and Catalysis/Padova/Italy
273. *Lecture : Molecular Self-Assembly Processes*  
**20–21 September 1991:** Symposium on Organic Chemistry/Akademia Leopoldina/Halle/Germany
274. *Lecture : Molecular Self-Assembly Processes*  
**25–27 September 1991:** 11 Regio Symposium on Organic and Bioorganic Chemistry/Sornetan/Swiss Jura
- Lectures : Molecular LEGO: Substrate Directed Synthesis*  
**Molecular Meccano: Making Molecules to Order**
275. **30 Sept–2 Oct 1991:** Conference on Supramolecular Aspects of Polymer Synthesis and Polymer Structure/Mainz/Germany
276. *Lecture : Towards Synthetic Supramolecular Polymers*  
**16 October 1991:** RSC Heterocyclic Group Autumn Meeting/ICI Specialities/Blackley/Manchester
277. *Plenary Lecture : Self-Assembly in Organic Synthesis*  
**31 October 1991:** ICI Science Strategy Group/ICI Specialities/Blackley/Manchester
278. *Presentation : Chemistry in the 21st Century*  
**18–21 November 1991:** Dupont Lectures at Berkeley/California
- First Lecture : Self-Assembly in Organic Synthesis*  
*Second Lecture : Substrate-Directed Synthesis*
279. **22 November 1991:** University of Nevada/Reno
280. *Research Seminar : Self-Assembly in Organic Synthesis*  
**15-19 December 1991:** II NATO Science Forum on Supramolecular Chemistry/Taormina/Sicily
281. *Opening Lecture : Self-Assembly in Organic Synthesis*  
**8 January 1992:** GDCh Lecture/BASF/Ludwigshafen/Germany

282. *Lecture : Self-Assembly in Organic Synthesis*  
**17 February 1992:** Birmingham University  
*Inaugural Lecture: Whither and Thither Molecular Machines: A Vision of Chemistry and a Mission for Chemists in the 21st Century*
283. **27 February 1992:** Imperial College London Chemical Society  
*Lecture : Molecular Meccano: Making Molecules to Order*
284. **12 March 1992:** Birmingham University Open Day  
*Lecture : Molecular Meccano*
285. **19 March 1992:** Dyson Perrins/University of Oxford  
*Research Colloquium: Self-Assembly in Organic Synthesis*
286. **30 March–1 April 1992:** RSC Fine Chemicals Group Meeting on  
 Chemical Opportunity Sensor Research/University of Liverpool  
*Lecture: From Molecular Receptors to Molecular Sensors*  
 (Presented by Dr R A Bissell)
287. **6–10 April 1992:** RSC Second International Symposium on  
 Chemical and Biochemical Problems in Molecular  
 Recognition/University of Exeter  
*Lecture : Self-Assembly in Organic Synthesis*
288. **10–16 May 1992:** 5th Cyprus Conference on New Methods in Drug  
 Research/Larnica/Cyprus  
*Invited Lecture : Molecular Recognition and Self-Assembly Processes*  
 (Presented by Prof W D Ollis)
289. **22–26 June 1992:** GordonResearch Conference on Bioorganic  
 Chemistry/Plymouth/New Hampshire  
*Invited Lecture : Molecular and Supramolecular Self-Assembly Processes*
290. **8 July 1992:** University of Sydney Chemical Society/Australia  
*Ernest Richie Memorial Lecture : Self-Assembly in Organic Synthesis*
291. **9 July 1992:** University of New South Wales/Sydney/Australia  
*Research Seminar: Structure-Directed Synthesis of Cyclacene and Polyacene Derivatives*
292. **10–11 July 1992:** Second Australian Symposium on Molecular Engineering/University  
 of  
 Sydney/Australia  
*Invited Lecture : Whither and Thither Molecular Machines*
293. **13 July 1992:** University of Melbourne/Australia  
*Departmental Seminar : Molecular and Supramolecular Self-Assembly Processes*
294. **15 July 1992:** ANU/Canberra/Australia  
*Research Seminar : Molecular and Supramolecular Self-Assembly Processes*
295. **16 July 1992:** University of New England/Armidale/Australia  
*Research Seminar : Molecular and Supramolecular Self-Assembly Processes*
296. **19–23 July 1992:** 7th International Symposium on Novel Aromatic Compounds/Victoria  
 BC/Canada  
*Plenary Lecture : Structure-Directed Synthesis of Cyclacene and Polyacene Derivatives*
297. **24 July 1992:** Simon Fraser University/Vancouver/Canada  
*Research Seminar : Self-Assembly in Organic Synthesis*
298. **30 August–1 Sept 1992:** Seminar on Molecular Recognition and  
 Communication at Champéry/Switzerland  
*Series of Lectures : Supramolecular Chemistry*
299. **10 September 1992:** BASF Summer School on Supramolecular  
 Chemistry at St Johannis/Germany  
*Series of Lectures : Self-Assembly Processes*
300. **16–18 September 1992:** RSC Perkin Division Symposium on Working Molecules/TCD/Ireland  
*Invited Lecture : Whither and Thither Molecular Machines*
301. **23 September 1992:** RSC Symposium for Schoolteachers/University of Birmingham  
*Lecture : Molecular Meccano: Molecules to Order*

302. **9–10 October 1992:** 7th Annual WS Johnson Symposium in Organic Chemistry/Stanford University/California  
*Invited Lecture : Self-Assembly in Organic Synthesis*
303. **13–16 October 1992:** NATO ARW on Computations for the Nanoscale/Aspet/France  
*Invited Lecture : Molecular and Supramolecular Self-Assembly Processes* (Presented by Mr D Philp)
304. **19 October 1992:** RSC Local Lecture/University of Keele  
*Lecture : Molecular Meccano: Making Molecules to Order*
305. **5 November 1992:** RSC Local Lecture/University of Exeter  
*Lecture : Molecular Meccano: Making Molecules to Order*
306. **19–21 November 1992:** Dalhousie University/Halifax/Canada  
*Walter J Chute Distinguished Lecture : Self-Assembly: Whither and Thither Molecular Machines*  
Research Seminar : Structure-Directed Synthesis
307. **2 December 1992:** Brunel University  
*Research Seminar : Molecular Meccano: Making Molecules to Order*
308. **20 January 1993:** Roche Research Centre/Welwyn Garden City  
*Research Seminar : Self-Assembly in Organic Synthesis*
309. **26 January 1993:** King's College London: RSC Chilterns and Middlesex Section Lecture  
*Lecture : Molecular Meccano: Making Molecules to Order*
310. **29 January 1993:** Shrewsbury School Science Department: Sixth Form Talk  
*Lecture : Molecular Meccano*
311. **26 February 1993:** University of Dundee  
*Lecture : Self-Assembly: Whither and Thither Molecular Machines*
312. **1–5 March 1993:** Atlantic Coast Lectureship: University of Maryland  
Virginia Polytechnic Institute & State University  
Duke University  
University of South Carolina  
University of Miami  
*Lecture : Self-Assembly in Organic Synthesis*
313. **11 March 1993:** Pfizer Central Research  
*Research Seminar : Self-Assembly in Organic Synthesis*
314. **18 March 1993:** Strasbourg University/France: First Janssen Lecture  
*Lecture : Self-Assembly in Unnatural Product Synthesis*
315. **22 March 1993:** Wolverhampton Polytechnic: RSC Lecture to West Midlands Section  
*Lecture : Molecular Meccano: Making Molecules to Order*
316. **28 March–1 April 1993:** ACS National Meeting in Denver/Colorado: International Symposium on New Macromolecular Architectures and Supramolecular Polymers  
*Invited Lecture : Self-Assembly and Shuttling Properties of Some Multisite [2]Rotaxanes*
317. **2 April 1993:** Abbott Laboratories/North Chicago  
*Research Seminar : Self-Assembly in Organic Synthesis*
318. **5–8 April 1993:** Southampton University: RSC Annual Chemical Congress: Symposium on Design Synthesis and Characterisation of New Materials  
*Plenary Lecture : Self-Assembly: Whither and Thither Molecular Machines*
319. **12–14 April 1993:** Palma de Mallorca/Spain: XIV Biennial Spanish Organic Chemistry Society Meeting  
*Plenary Lecture: Molecular Recognition and Self-Assembly*
320. **20 April 1993:** Heriot-Watt University: RSC Edinburgh and South East Scotland  
*Lecture : Molecular Meccano: Making Molecules to Order*
321. **26–30 April 1993:** High Polymer Research Conference/Moretonhampstead/Devon  
*Invited Lecture : Self-Assembling Catenanes, Rotaxanes, and Double Helicates: New Approaches to Novel Polymer Systems*

322. **12 May 1993:** London: SCI Carbohydrate Meeting  
*Invited Lecture : Cyclodextrins: Linking Lampshades*
323. **2 June 1993:** Minnesota 3M Research Limited: Technical Forum Lecture  
*Lecture : Self-Assembly: Whither and Thither Molecular Machines*
324. **7–8 June 1993:** Odense/Denmark: Annual Meeting of the Danish Chemical Society  
*Main Plenary Lecture : Self-Assembly: Whither and Thither Molecular Machines*
325. **29 June-2 July 1993:** Twente University/Enschede/The Netherlands:  
18th International Symposium on Macrocyclic Chemistry  
*Izatt-Christensen Award Lecture : Self-Assembly in Unnatural Product Synthesis*
326. **11–16 July 1993:** University of Newcastle: 4 ESOR & 2MMBP  
*Section Plenary Lecture : Molecular Self-Assembly Processes in Chemical Systems*
327. **26–28 July 1993:** Bielefeld/Germany: Workshop on Important Phenomena in  
Chemistry: Towards the Understanding of Some Basic  
Principles in Biology and the Use of Molecules in Technology  
*Invited Lecture : From Dyes and Drugs – to Devices. Is the Vehicle Molecular Self-Assembly  
Processes?*
328. **29 August–3 Sept 1993:** Barcelona/Spain: Eighth European Symposium on Organic  
Chemistry (ESOC-8)  
*Plenary Lecture : Self-Assembly in Organic Synthesis*
329. **2–5 September 1993:** Strasbourg/France: NATO ARW on  
Computational Approaches in Supramolecular  
Chemistry  
*Invited Lecture : Self-Assembly in Synthesis*
330. **7 September 1993:** Hamburg/Germany: GDCh Meeting  
*Plenary Lecture : Self-Assembly in Unnatural Product Synthesis*
331. **29 November-3 December 1993:**  
Boston/MA: Symposium on Biomolecular Materials by Design  
*Invited Lecture : Chemical Synthesis of Nanostructures*
332. **29 November-3 December 1993:**  
Kodak/Rochester/NY: Research Seminar  
*Lecture : Whither and Thither Molecular Machines*
333. **29 November-3 December 1993:**  
GE/Corporate Research and Development/  
Schenectady/NY: Research Seminar  
*Lecture : Whither and Thither Molecular Machines*
334. **13–16 January 1994:** Norwegian Organic Chemistry Meeting: Fefor/Norway: Two Invited  
Lecture  
*Lectures : Self-Assembly in Organic Synthesis  
Catenated Cyclodextrins*
335. **28 January 1994:** Unilever Research/Port Sunlight: Research Seminar  
*Lecture : Self-Assembly in Organic Synthesis*
336. **3 March 1994:** Edinburgh University: Walker Memorial Lecture  
*Lecture : Self-Assembly in Chemical Systems*
337. **11–13 March 1994:** UCLA/CA: Symposium Honoring Donald J Cram  
*Lecture : Self-Assembly in Chemical Systems*
338. **29 March 1994:** Fisons/Loughborough: Research Seminar  
*Lecture : Self-Assembly: A New Concept in Organic Synthesis*
339. **30 March 1994:** Royal Society/London: Press Briefing on  
Nanoscience: The Fore-Runner to Nanotechnology  
*Lecture : Nanoscience: At a Molecular Level*
340. **5–8 April 1994:** NATO ARW on The Ultimate Limits of Fabrication and Measurement  
*Lecture : Self-Assembly: Whither and Thither Molecular Machines*
341. **19–21 April 1994:** Birmingham University: Macro Group UK 4th  
Family Meeting on Making and Breaking and Using Chains

342. *Invited Lecture* : **Self-Assembly in Polymer Synthesis**  
**23 April 1994:** Bristol/UK: One Day Symposium by the British Computer Society Cybernetics Machine Group on One Day will all Supercomputers be Wet? Hardware *versus* Software!
343. *Invited Lecture* : **Molecular Self-Assembly**  
**27 April 1994:** ZENECA Pharmaceuticals/Mereside: Research Colloquium  
*Lecture* : **Self-Assembly: A New Concept in Organic Synthesis**
344. **29 April 1994:** University of Louvain/Belgium: Chaire Bruylants Award  
*Lecture* : **Self-Assembly in Chemical Synthesis**
345. **7–11 May 1994:** Hindsgavl/Denmark: NATO ARW on Molecular Engineering for Advanced Materials  
*Lecture*: **The Self-Assembly of Redox-Active and Photo-Active Catenanes and Rotaxanes**
346. **13–19 May 1994:** Ravello/Italy: NATO ASI Workshop on Chemical Synthesis: Gnosis to Prognosis  
*Two Main Lectures* : **Self-Assembly in Chemical Systems**  
**Making Unnatural Products by Natural Means**
347. **11–13 July 1994:** Namur/Belgium: Fifth Belgian Organic Synthesis Symposium  
*Invited Lecture* : **Self-Assembly in Organic Synthesis**
348. **13–15 July 1994:** Akron/Ohio: IUPAC International Symposium on Macromolecules  
*Invited Lecture* : **Towards Supramolecular Polymers**
349. **24–29 July 1994:** Birmingham University: RSC Perkin Division Symposium on Recognition Processes Host and Joint-Organiser
350. **31 July-5 August 1994:** Ottawa/Canada: Eighth International Symposium on Molecular Recognition and Inclusion  
*Invited Lecture* : **Self-Assembly in Chemical Systems**
351. **11–16 August 1994:** Mainz/Germany: European Research Conference on Supramolecular Chemistry [Attending as a Discussion Leader]
352. **15–19 September 1994:** Reykjavik/Iceland: NATO ARW on Supramolecular Stereochemistry  
*Lecture*: **Template Directed Synthesis** [Presented by Dr D B Amabilino]
353. **29 September 1994:** Johnson Matthey Biomedical Research/West Chester/PA  
*Research Seminar* : **Self-Assembly in Organic Synthesis**
354. **30 September 1994:** Princeton University/New Jersey  
*Seminar* : **Whither and Thither Molecular Machines**
355. **30 September 1994:** Princeton/New Jersey: Princeton ACS Fall Symposium  
*Invited Lecture* : **Self-Assembly in Organic Synthesis**
356. **6–9 November 1994:** Ohtsu/Kyoto/Japan: The Taniguchi Conference on "Working Molecular Systems - Design and Synthesis"  
*Lecture* : **Whither and Thither Molecular Machines**
357. **11 November 1994:** State University of New York at Albany: Sixth Henry G Kuiliva Lecture  
*Lecture* : **Self-Assembly in Chemical Systems**
358. **2 December 1994:** Tokyo/Japan: Mini-Symposium on Supramolecular Chemistry  
*Invited Lecture* : **Self-Assembly in Chemical Synthesis**
359. **3 December 1994:** Kyoto/Japan: Division of Molecular Engineering at Kyoto University  
*Departmental Seminar* : **Self-Assembly in Chemical Systems**
360. **16 February 1995:** Warwick/UK: RSC Lecture  
*Lecture* : **Self-Assembly: Whither and Thither Molecular Machines**
361. **17 February 1995:** University of Kaiserslautern/Germany: Adolf Steinhof Foundation Award Lecture  
*Lecture* : **Self-Assembly in Chemical Systems**
362. **20 February 1995:** University of Regensburg/Germany: Sandoz Foundation Lecture Series  
*Invited Lecture* : **Self-Assembly in Chemical Systems**
363. **17 March 1995:** ZENECA Specialties/Blackley: Seminar

364. **Lecture : Self-Assembly in Chemical Systems**  
**2–7 April 1995:** Anaheim/California: ACS National Meeting. International Symposium on Well-Defined Macromolecules for Function and Assembly  
*Invited Lecture : The Self-Assembly of Two Bis[2]catenanes and a Bis[2]rotaxane – Model compounds for Mechanically-Linked Polymers*
365. **7 April 1995:** Naval Research Laboratory/Washington: Chemistry Colloquium  
**Lecture : Whither and Thither Molecular Machines**
366. **10–12 April 1995:** Cornell University: 1995 Miles Lectures  
**Lecture 1 : Self-Assembly in Chemical Systems**  
**Lecture 2 : Nanotechnology: Whither and Thither Molecular Machines**  
**Lecture 3 : Towards Supramolecular Polymers**
367. **20–25 April 1995:** University of Chicago/Abbott Laboratories/University of Wisconsin at Milwaukee  
**Lecture : Making Molecules to Order: Self-Assembly in Organic Synthesis**
368. **27–28 May 1995:** Paris/France: Nature Conference on the Science of Complex Molecular Systems  
**Lecture : Molecular Nanostructures**
369. **8–11 May 1995:** Rolduc Abbey/The Netherlands: Rolduc Polymer Meeting  
**Plenary Lecture : Towards Supramolecular Polymers**
370. **18–21 May 1995:** University of Zaragoza/Spain  
**Lecture : Self-Assembly: Whither and Thither Molecular Machines**
371. **11–15 June 1995:** College of William and Mary/Williamsburg/Virginia: Division of Organic Chemistry of the American Chemical Society:  
34th National Organic Symposium  
**Plenary Lecture : Self-Assembly in Organic Synthesis**
372. **21–24 June 1995:** Vulcano Island/Italy: EUCHEM Conference on Cycloadditions and Related Reactions: Theory and Practice  
**Plenary Lecture : Structure-Directed Synthesis**
373. **2–7 July 1995:** Jerusalem/Israel: XXth International Symposium on Macrocyclic Compounds  
**Invited Lecture : Self-Assembly in Chemical Systems**
374. **16–21 July 1995:** Salve Regina University/Newport/RI: 1995 Organic Photochemistry Gordon Conference  
**Lecture : Self-Assembly: Whither and Thither Molecular Machines**
375. **23–28 July 1995:** New England College in Henniker/New Hampshire: 1995 Gordon Research Conference on Chemistry of Supermolecules and Assemblies  
**Lecture : Molecular Self-Assembly Processes**
376. **31 July–4 Aug 1995:** Braunschweig/Germany: 8th International Symposium on Novel Aromatic Compounds  
**Main Lecture : Self-Assembly in Chemical Systems**
377. **8–12 September 1995:** Aspen Lodge in Estes Park, Boulder: NATO ARW on Modular Chemistry  
**Poster/Lecture: New Modules – New Families of Interlocked Molecules**
378. **16–17 September 1995:** Bordeaux/France: NATO ARW on Magnetism: A Supramolecular Function  
**Lecture : Self-Assembly in Organic Synthesis**
379. **20–23 September 1995:** Il Ciocco/Nr Pisa/Italy: NATO ASI on New Trends in Materials Chemistry  
**Lecture 1: Self-Assembly in Chemical Systems**  
**Lecture 2: Molecular Machines**
380. **2 October 1995:** ETH/Zürich/Switzerland: COST Workshop on Interdisciplinary



- Aspects of Nanoscience
381. *Presentation* : **Self-Assembly at the Nanoscale Level with Chemical Systems**  
**16 October 1995:** Bristol University: Wilson Baker Lecture
382. *Lecture* : **Self-Assembly in Organic Synthesis**  
**23–24 October 1995:** Houston/Texas: Welch Foundation Conference on Nanophase Chemistry
383. *Invited Lecture* : **Molecular Nanostructures**  
**25 October 1995:** Rice/Houston/Texas: Chemical Engineering Department Seminar
384. *Lecture* : **Self-Assembly in Chemical Systems**  
**9–11 November 1995:** Palo Alto/California: The Fourth Foresight Technology Conference on Molecular Nanotechnology
385. *Lecture* : **The Art and Science of Self-Assembling Molecular Machines**  
**12–16 November 1995:** Jerusalem/Israel: Seventh International Symposium on Chiral Discrimination
386. *Plenary Lecture* : **Chiral Catenanes**  
**17 November 1995:** Tel-Aviv/Israel: Departmental Seminar
387. *Lecture* : **New Modules - A New Family of Interlocked Molecules**  
**18–22 November 1995:** Kuwait University: Visiting Professorship
388. *Lecture 1* : **Self-Assembly in Chemical Systems**  
*Lecture 2* : **Whither and Thither Molecular Machines**  
*Lecture 3* : **Supramolecular Polymers**  
**30 November 1995:** ZENECA Agrochemicals/Jealott's Hill/Bracknell: Chemistry Department Lecture
389. *Lecture* : **Self-Assembly in Chemical Systems**  
**7 December 1995:** Bayer AG/Leverkusen/Germany: Lecture
390. *Lecture* : **Self-Assembly in Chemical Systems**  
**8 December 1995:** Universität Mainz/Germany: Lecture
391. *Lecture* : **Towards a New Family of Interlocked Molecules**  
**10–11 December 1995:** Universität Heidelberg/Germany: Graduiertenkolleg
392. *Lecture* : **Self-Assembly in Chemical Systems**  
**8–12 January 1996:** National Institute of Materials and Chemical Research AIST/MITI/Tsukuba/Japan
393. *Lecture* : **Self-Assembly in Chemical Systems**  
*Seminar 1* : **Molecular and Supramolecular Nanomachines**  
*Seminar 2* : **The Genesis of a New Family of Interlocked Molecules**  
**16 January 1996:** Kyushu University Faculties of Engineering and Science/Fukuoka/Japan
394. *Joint Seminar*: **Self-Assembly in Chemical Systems**  
**30 January 1996:** University of California at Los Angeles
395. *Lecture* : **Molecular and Supramolecular Nanostructures and Nanomachines**  
**17 February 1996:** Birmingham Lunar Society
396. *Lecture* : **Learning to Read and Write in Chemistry**  
**25 March 1996:** RSC Carbohydrate Group Spring Meeting, St Andrews
397. *Lecture* : **Constructing Carbohydrates on the Nanoscale**  
**27 March 1996:** Wilen Memorial Symposium, ACS Spring Meeting at New Orleans
398. *Lecture* : **Self-Assembly in Chemical Synthesis**  
**28–29 March 1996:** UNC/Chapel Hill
399. *Lecture 1* : **Self-Assembly in Chemical Synthesis**  
*Lecture 2* : **The Genesis of a New Family of Interlocked Molecules**  
**1–3 April 1996:** Vista Chemical Company-Regents Endowed Memorial Lecture Series/University of Texas at Austin

400. *Lecture 3 : Constructing Carbohydrates on the Nanoscale*  
**4 April 1996:** University of Houston/Texas
401. *Seminar : Molecular and Supramolecular Nanomachines*  
**15–16 April 1996:** European Physical Society Industrial Workshop  
on Nanoscale Science and Technology/Birmingham
402. *Lecture : Molecular and Supramolecular Nanostructures*  
**16–22 May 1996:** NATO ARW/Quebec
403. *Lecture : Combining Different Recognition Motifs to Self-Assemble Multicomponent Superstructures*  
**28–31 May 1996:** Wichita/Kansas
- Seminar 1 : Molecular and Supramolecular Nanostructures and Nanomachines*  
*Seminar 2 : The Genesis of a New Family of Interlocked Molecules*  
*Seminar 3 : Constructing Carbohydrates on the Nanoscale*
404. **6 June 1996:** Royal Society/Ciba Foundation Meeting/London
405. *Invited Lecture : The Self-Assembly of Molecular and Supramolecular Switches*  
**25–26 August 1996:** 1996 Fall ACS Meeting: Symposium on  
Supramolecular Systems/Orlando/Florida
406. *Lecture : Molecular Self-Assembly Processes*  
**27–30 August 1996:** 13th IUPAC Conference on Physical Organic Chemistry/Seoul/Korea
407. *Lecture : Nanoscale Construction on the Molecular Level*  
**30 August 1996:** Pohang University/Korea
408. *Lecture : Molecular and Supramolecular Nanostructures and Nanomachines*  
**9–13 September 1996:** British Association Meeting Chemistry Section/Birmingham
409. *Presidential Address : Learning to Read and Write in Chemistry*  
**15–19 September 1996:** 20th Symposium on the Chemistry of Natural Products/Chicago/USA
410. *Plenary Lecture : Concept Transfer from the Life Sciences into Materials Science*  
**19–21 September 1996:** Gulf Coast Chemistry Conference/Pensacola Beach/Florida
411. *Invited Lecture : Self-Assembly in Action and at Work*  
**24–28 September 1996:** Gordon Research Conference on Organic  
Structures and Properties/Fukuoka/Japan
412. *Main Talk : Self-Assembly in Action and at Work*  
**24 October 1996:** 24th Biennial Philadelphia Organic Chemists' Club Symposium
413. *Lecture : Self-Assembly in Action and at Work*  
**31 Oct–1 Nov 1996:** 6th Symposium of the NSR Research School/Dalfsen/The  
Netherlands
414. *Lecture : Molecular and Supramolecular Self-Assembly Processes*  
**23–24 November 1996:** Bio-MaDe Workshop on Bio-Organic Materials  
and Devices/Royal Dutch Academy of Sciences/Amsterdam
415. *Lecture : The Self-Assembly of Molecular and Supramolecular Switches*  
**7 December 1996** Symposium to celebrate 60th birthday of V Balzani/Bologna
416. *Lecture : Self-Assembly in Action and at Work*  
**9 December 1996:** 2nd Schloessmann Seminar on Nanostructures in Biology,  
Chemistry and Physics/Garmisch
417. *Lecture : Self-Assembly in Action and at Work*  
**17 December 1996:** 30th Annual Meeting on Modern Aspects of  
Stereochemistry/Sheffield University
418. *Lecture : Self-Assembly in Action and at Work*  
**13 January 1997:** Organic Colloquium/Cambridge University
419. *Lecture : Molecular and Supramolecular Self-Assembly Processes*  
**21–22 February 1997:** Symposium on Nanochemistry/University of Southern California/Los  
Angeles
420. *Lecture : Whither and Thither Self-Assembling Molecular and Supramolecular Machines*  
**3–4 March 1997:** Bernard Belleau Memorial Lectures in Chemistry  
McGill University and Bio-Chem Pharma/Montreal

- Lecture at Bio-Chem Pharma : Constructing Carbohydrates on the Nanoscale*  
*Lecture at McGill : Molecular and Supramolecular Nanostructures and Nanomachines*  
 421. **5 March 1997:** Université Laval/Quebec  
*Seminar : Molecular and Supramolecular Self-Assembly Processes*  
 422. **24 March 1997:** Swarthmore College/Pennsylvania  
*Lecture : Molecular and Supramolecular Self-Assembly Processes*  
 423. **25–28 March 1997:** 1991 Leo H Sternbach Lectures/Yale University  
*Lecture 1 : Molecular and Supramolecular Self-Assembly Processes*  
*Lecture 2 : The Nature of the Mechanical Bond*  
 424. **7–10 April 1997:** 1997 Hutchison Memorial Lectures/University of Rochester  
*Lecture 1 : Molecular and Supramolecular Nanostructures and Nanomachines*  
*Lecture 2 : Constructing Carbohydrates on the Nanoscale*  
*Lecture 3 : The Nature of the Mechanical Bond*  
 425. **21 April 1997:** Academy of Sciences of the Czech Republic/Prague  
*Lecture : Adventures in Modular Chemistry*  
 426. **22 April 1997:** Prague Institute of Chemical Technology  
*Lecture : Molecular and Supramolecular Nanosystems and Nanomachines*  
 427. **22–24 June 1997:** Gordon Research Conference on Carbohydrates/Tilton, New Hampshire  
*Lecture : Constructing Carbohydrates on the Nanoscale*  
 428. **26–27 June 1997:** Cambridge Healthtech Institute's Conference on Nanotechnology/San Francisco  
*Lecture : Self-Assembly of Molecular and Supramolecular Nanostructures and Nanomachines*  
 429. **2 August 1997:** Soong Sil University/Seoul  
*Lecture 1: Self-Assembly of Molecular and Supramolecular Nanostructures and Nanomachines*  
*Lecture 2 : The New Chemistry*  
 430. **3–8 August 1997:** XXII International Symposium on Macrocyclic Chemistry/Seoul  
*Lecture : Carbohydrate Nanotubes*  
 431. **18–22 August 1997:** 36th IUPAC Congress on Frontiers in Chemistry: New Perspectives for the 2000s/Geneva  
*Keynote Lecture : The Nature of the Mechanical Bond*  
 432. **1 October 1997:** Raychem Corporation/Menlo Park/California: Research Seminar  
*Lecture: The New Chemistry*  
 433. **8 October 1997:** Merck/Rahway/New Jersey: One-Day Symposium on Molecular Recognition  
*Lecture: Controlling Self-Assembly in Chemical Systems*  
 434. **31 Oct–4 Nov 1997:** Merck/Rahway/New Jersey: One-Day Symposium on Molecular Recognition  
*Invited Lecture: The Nature of the Mechanical Bond*  
 435. **18 December 1997:** Rohm and Hass/Pennsylvania: Research Seminar  
*Lecture: Carbohydrate Cycles and Clusters*  
 436. **6 February 1998:** University of Nevada: Departmental Seminar  
*Lecture: The Nature of the Mechanical Bond*  
 437. **10–11 February 1998:** Dupont/Wilmington: 1998 Discovery Chemistry Seminar Series  
*Lecture: The Nature of the Mechanical Bond*  
 438. **18 February 1998:** University of California, Irvine: Departmental Seminar  
*Lecture: The Nature of the Mechanical Bond*  
 439. **29 Mar–1 Apr 1998:** University of Birmingham: RSC Carbohydrate Group Spring Meeting  
*Posters only: Several*  
 440. **13–14 April 1998:** University of Miami: Review of Graduate Program  
 441. **16 April 1998:** University of Utah: Departmental Seminar  
*Lecture: Synthetic Supramolecular Chemistry*

442. **30 April 1998:** University of Southern California: Symposium in Honor of Jim Dye  
*Lecture: The Nature of the Mechanical Bond*
443. **4–10 May 1998:** Sitges (Barcelona/Spain): NATO ARW on Applications of NMR to the  
Study of Structure and Dynamics of Supramolecular  
Complexes  
*Invited Lecture: Probing Self-Assembly Processes by NMR Spectroscopy*
444. **30 May–3 June 1998:** Whistler BC: Canadian Society for Chemistry Conference.  
Symposium on Theoretically Interesting Molecules  
*Invited Lecture: Rotacatenanes and Elusive Molecular Necklaces*
445. **7–12 June 1998:** Hawaii: XXIII International Symposium on Macrocyclic Chemistry  
*Invited Lecture: Molecular Machines*
446. **16 October 1998:** Brigham Young University: Castle Lectureship  
*Lecture: The Nature of the Mechanical Bond*
447. **2 November 1998:** University of Alberta: 1998 Bio-Mega Lectureship  
*Lecture: The Nature of the Mechanical Bond*
448. **11 November 1998:** University of California at Riverside: Seminar  
*Lecture: The Nature of the Mechanical Bond*  
*Evening Presentation : Dynamic Interlocked Molecules*
449. **23 November 1998:** University of San Diego: Seminar  
*Lecture: The Nature of the Mechanical Bond*
450. **21–26 January 1999:** Anaheim/California AAAS Symposium: Frontiers  
in the Physical Sciences  
*Lecture: Molecular Machines*
451. **12 February 1999:** The Scripps Research Institute: Tenth Annual  
Symposium on Frontiers in Chemistry  
*Lecture: Molecular Motors and Machines*
452. **26 February 1999:** Northwestern University: Departmental Colloquium  
*Lecture: Chemistry Between Molecules and Supermolecules*
453. **21–25 March 1999:** ACS Symposium on “Synthesis of Novel Polymeric  
Materials/Anaheim  
*Lecture: Interlocked Molecules*
454. **17–19 May:** University of Western Ontario/Fred Pattison Senior Lectureship  
*Lecture 1: The Nature of the Mechanical Bond*  
*Lecture 2: Chemistry Between Molecules and Supermolecules*  
*Lecture 3: Molecular Motors and Machines*
455. **13–16 July 1999:** Trinity College Dublin: Fourth International  
Conference on Materials Chemistry  
*Closing Plenary Lecture: Molecular Machines*
456. **22–25 August 1999:** New Orleans: ACS Award Address  
*Lecture: Molecular-Level Devices and Machines*
457. **11–14 October 1999:** Basel/Switzerland: Swiss Chemical Society  
Session on Supramolecular Chemistry and Molecular  
Recognition  
*Lecture: The Nature of the Mechanical Bond*
458. **21–24 October 1999:** Carbondale/Illinois: Second Annual Southern  
Illinois Materials Chemistry Conference  
*Lecture: Molecular-Level Devices and Machines*
459. **15–17 November 1999:** Washington DC: NSF Career Panel Meeting
460. **23 November 1999:** Bell Labs. Lucent Technologies/Murray Hill NJ  
Physics and Materials Sciences Colloquium  
*Lecture: Molecular-Level Devices and Machines*
461. **3 December 1999:** Arizona State University: Departmental Seminar  
*Lecture: The Nature of the Mechanical Bond*
462. **22–24 March 2000:** University of Wisconsin at Madison: 1999-2000

Samuel M McElvain lectureship in Organic Chemistry

463. *Lecture: Toward Artificial Molecular Machines*  
**18–19 May 2000:** Washington DC: NSF Meeting  
*Presentation: State-of-the-Art and Challenges in Constructing Molecular Machines*
464. **29 May–1 June 2000:** Calgary: Canadian Society of Chemistry:  
Challenges for the New Century  
*Keynote Address: The Age of Chemical Nanosystems*
465. **18–23 June 2000:** New Hampshire: Bioorganic Gordon Conference  
*Lecture: Concept Transfer from Biology via Chemistry to Electronic Devices*
466. **2–7 July 2000:** St Andrews/Scotland: Macrocycles 2000  
*Plenary Lecture: Toward Artificial Molecular Machines*
467. **30 July–4 Aug 2000:** Fukuoka/Japan: International Symposium on Supramolecular Chemistry – XI  
*Opening Lecture: Molecular-Level Devices and Machines*
468. **9–11 August 2000:** South Lake Tahoe: DARPA and ONR Molelectronics Annual PI's Meeting  
*Presentation and Poster*
469. **15 August 2000:** Livermore: LLNL  
*Lecture: Toward Artificial Molecular Machines*
470. **20–24 August 2000:** Washington DC: ACS National Meeting –  
Symposium on Functional Nanostructures  
*Plenary Lecture: Interlocked Nanosystems*
471. **9–11 September 2000:** Bologna/Italy: Dalton Discussion Group Meeting on Inorganic Crystal Engineering  
*Keynote Lecture: A Molecular Meccano Kit*
472. **23–28 September 2000:** Ischia/Italy: IASOC-2000: New Challenges for Organic Synthesis in the 21<sup>st</sup> Century  
*Lecture: Template-Directed Organic Synthesis*
473. **29 September 2000:** State University of Milano-Bicocca/Italy  
Department of Materials Science  
*Lecture: Molecular-Level Devices and Machines*
474. **12–15 October 2000:** Timberline Lodge/Mount Hood/Portland/Oregon:  
Eighth Annual NSF-Sponsored Materials Chemistry Workshop  
*Lecture: Toward Artificial Molecular Machines*
475. **17 October 2000:** University of Washington Seattle: Nanotechnology Seminar Series  
*Lecture: Molecular-Level Devices and Machines*
476. **26–29 October 2000:** Vienna/Austria: Third COST Workshop on Supramolecular Chemistry  
*Lecture: Toward Artificial Molecular Machines*
477. **30 October 2000:** Argonne National Laboratory: Chemistry and Materials Science Division  
*Lecture: Toward Artificial Molecular Machines*
478. **6 November 2000:** Columbia University/New York: One-Day Symposium  
*Lecture: Concept Transfer from the Life Sciences into Materials Science*
479. **7–9 November 2000:** Juniata College/Huntington PA: Distinguished Visiting Scientists Series  
*Lecture 1: A Molecular Meccano Kit – alias a Tinkertoy Construction Set*  
*Lecture 2: Another Molecular Meccano Kit – alias another Tinkertoy Construction Set*  
*Lecture 3: Artificial Molecular Machines*  
*Lecture 4: Can a Molecular Computer be Built?*

480. **13–15 November 2000:** Texas Christian University: Department of Chemistry/Green Lectureship  
*Lecture 1: A Molecular Meccano Kit – alias a Tinkertoy Construction Set*  
*Lecture 2: Can a Molecular Computer be Built?*
481. **20–21 November 2000:** Simon Fraser University: Department of Chemistry/Merck Frosst Lecturer  
*General Lecture: Toward Artificial Molecular Machines*  
*Specialized Lecture: Glycodendrimers as Multivalent Probes*
482. **27 November 2000:** Vanderbilt University: Department of Chemistry/Mitchum Warren Lectureship  
*Lecture: Toward Artificial Molecular Machines*
483. **14–19 December 2000:** Honolulu/Hawaii: PACIFICHEM 2000  
*Plenary Lecture: A Molecular Meccano Kit*  
*Invited Lecture: Toward Supramolecular Polymers with Interpenetrating Building Blocks*  
*Invited Lecture: Toward Artificial Molecular Machinery*
484. **25 January 2001:** University of California, Los Angeles/Herbert Newby McCoy Lecture  
*Lecture : A Tour of the Mechanical Bond - From the Quixotic via the Exotic to the Electronic*
485. **6 February 2001:** Hewlett Packard/Palo Alto: Moelectronics I & II  
*Presentation: Molecular Switches*
486. **18–23 February 2001:** Mauterndorf/Austria: Winterschool on Sensing and Manipulating the Nanoworld  
*Lecture 1: Artificial Molecular Machines*  
*Lecture 2: Devices Based on Interlocked Molecules*
487. **5–7 March 2001:** Bishop's Lodge in Santa Fe/New Mexico: DARPA Moelectronics II Program Kick-Off Meeting  
*Presentation: Molecular Switches*
488. **20 March 2001:** University of Colorado at Boulder  
*Lecture: Molecular-Level Devices and Machines*
489. **1–6 April 2001:** San Diego: ACS Spring 2001 National Meeting  
*PMSE Lecture: Molecular-Level Machines and Devices*  
*IEC Lecture: Motor Molecules*  
*CARB Lecture: Glycodendrimers: Tools for Studying Lectin-Carbohydrate Interactions*
490. **18 April 2001** Habana/Cuba: Fourth International Chemical Congress  
*Lecture: Artificial Molecular Machines and Switches*
491. **7 May 2001** University of Pennsylvania: Bayer Lecture  
*Lecture: Artificial Molecular Machines*
492. **17 May 2001** Würzburg/Germany: Hünig's 80<sup>th</sup> Birthday  
*Lecture: A Tour of the Mechanical Bond – From the Quixotic via the Exotic to the Electronic*
493. **13–14 July 2001** Hiroshima/Japan: Dreaming Chemistry for the New Millennium  
*Lecture: Interlocked Molecules Beyond Catenanes and Rotaxanes*
494. **15–19 July 2001** Fukuoka/Japan: ISMC 26  
*Opening Plenary Lecture: From Motor-Molecules to Molecular Machines and Electronic Devices*
495. **28 July–2 August 2001** Connecticut College/NH: Gordon Research Conference on “Chemistry of Supermolecules and Assemblies”  
*Invited Lecture: An Integrated Systems-Approach to Molecular Electronics*
496. **20–25 August 2001** Il Ciocco/Tuscany/Italy: Assembly and Self-Assembly at the Interface Between Biology, Chemistry and Physics  
*Lecture: Self-Assembly: An Abstract Art Form Toward Supramolecular Polymers*
497. **2–7 September 2001** Lisbon/Portugal: European Symposium on Carbohydrate Chemistry  
*Plenary Lecture: A New Approach to the Synthesis of Glycodendrimers and Glycopolymers*
498. **28–30 September 2001** University of Pennsylvania/Philadelphia: Symposium

- on Life Sciences and Materials
499. *Lecture: From Motor-Molecules to Molecular Machines and Electronic Devices*  
**1–2 October 2001** University of Pittsburgh and Carnegie-Mellon Institute: The Pittsburgh  
 Symposium on Frontiers in Condensed Matter Science
500. *Lecture: The Nature of the Mechanical Bond*  
*Carnegie-Mellon Lecture: An Integrated Systems-Approach to Molecular Electronics*  
**10–12 October 2001** University of Münster/Germany: Frontiers in Chemistry
501. *Lecture: From Motor-Molecules to Molecular Machines and Electronic Devices*  
**29 October 2001** Santa Barbara: Nobel Symposium at the ACS  
 Western Division Meeting
502. *Lecture: An Integrated Systems-Oriented Approach to Molecular Electronics*  
**4–7 November 2001** **Osaka/Japan:** International Conference on  
 Macromolecular Complexes
503. *Lecture: An Integrated Systems-Oriented Approach to Molecular Electronics*  
**14–15 November 2001** Université de Montréal/Canada: Barré Lectures
504. *Lecture 1: The Nature of the Mechanical Bond*  
*Lecture 2: From Motor-Molecules to Molecular Electronic Devices*  
**19 November 2001** University of California/Santa Cruz: Seminar
505. *Lecture: From Motor-Molecules to Molecular Machines and Electronic Devices*  
**29 Nov–3 Dec 2001** Boston: MRS Symposium on "Organic  
 Optoelectronic Materials, Processing and Devices"
506. *Lecture: Toward Molecular Electronic Devices*  
**4–7 December 2001** Frösundavik in Stockholm/Sweden: Nobel Jubilee  
 Symposium in Chemistry - "Frontiers in Molecular Sciences"
507. *Lecture: The Nature of the Mechanical Bond*  
**29–30 January 2002** Jerusalem: 67<sup>th</sup> Annual Meeting of the Israel Chemical Society
508. *Plenary Lecture: The Nature of the Mechanical Bond*  
**20 February 2002** CALTECH: Organic Chemistry Seminar
509. *Lecture: An Integrated Systems-Oriented Approach to Molecular Electronics*  
**23–26 February 2002** *Taipei/Taiwan:* ICCT 2002 International Chemical Conference
510. *Lecture: From Motor-Molecules to Molecular Electronic Devices*  
**4–5 March 2002** **Valencia/Spain:** International Symposium on Nanotechnology
511. *Lecture: From Motor-Molecules to Molecular Electronic Devices*  
**14–15 March 2002** University of Southern California/Los Angeles:  
 Trends in Hydrocarbon Chemistry
512. *Lecture: From Motor-Molecules to Molecular Machines and Electronic Devices*  
**18 March 2002** University of Missouri-St Louis: Robert B Murray Lectureship
513. *Lecture: An Integrated Systems-Oriented Approach to Molecular Electronics*  
**22 March 2002** UC Berkeley: Inorganic Seminar
514. *Lecture: An Integrated Systems-Oriented Approach to Molecular Electronics*  
**28–30 March 2002** **UCLA:** Symposium – 50 Years of Cram's Rule: The  
 Golden Age of Stereochemistry
515. *Lecture: "From Host-Guest Chemistry to Molecular Meccano"*  
**5 April 2002** University of Chicago: Closs Lecture Series
516. *Lecture: An Integrated Systems-Oriented Approach to Molecular Electronics*  
**14–19 April 2002** Centro Stefano Franseiniat Monte Verità,  
 Switzerland: Molecular Nanosystems - From Single  
 Molecules to Supramolecular Assemblies
517. *Lecture: An Integrated Systems-Oriented Approach to Molecular Electronics*  
**3 May 2002** New York University/New York: Seminar
518. *Lecture: From Motor-Molecules to Molecular Machines and Electronic Devices*  
**30 May–4 June 2002** Neu-Ulm/Germany: Fifth International Symposium on  
 Functional  $\pi$ -Electron Systems

519. *Plenary Lecture: An Integrated Systems-Oriented Approach to Molecular Electronics*  
**23–27 June 2002** Park City/Utah: XXVII International Symposium on Macrocyclic  
 Chemistry
520. *Plenary Lecture: Molecular Meccano Kit*  
**14–18 July 2002** UC San Diego: Tenth International Conference on  
 Polymers and Organic Chemistry 2002
521. *Lecture: Supramolecular Polymers*  
**7 August 2002** Nanomix/Oakland: Invited Lecture  
*Lecture: From Molecular Recognition via Molelectronics to NanoElectroMechanicalSystems  
 (NEMS)*
522. **11–16 August 2002** Salve Regina/Newport RI: Gordon Research  
 Conference on Electron Donor-Acceptor Interactions  
*Lecture: An Integrated Systems-Oriented Approach to Molecular Electronics*
523. **17–22 August 2002** Boston/Massachusetts: ACS Fall Meeting  
 Symposium on "Chemistry at a Supramolecular Level"  
*Lecture 1: An Integrated Systems-Oriented Approach to Molecular Electronics*  
 ACS Donald J Cram Memorial Symposium:  
*Lecture 2: A Molecular Meccano Kit in the Making*
524. **4 September 2002** Columbia University/NY: Seminar Program  
*Lecture: From Motor-Molecules to Molecular Machines and Electronic Devices*
525. **22–24 September 2002** Cancun/Mexico: Mexican Chemical Society  
 Congress on "New and Exciting Results in the Chemical  
 Sciences"  
*Lecture: An Integrated Systems-Oriented Approach to Molecular Electronics*
526. **26–28 September 2002** Vienna/Austria: Cost Action D19 Workshop on "Nanochemistry"  
*Invited Lecture: An Integrated Systems-Oriented Approach to Molecular Electronics*
527. **30 September 2002** Stockholm/Sweden: Department of Chemistry, KTH: Seminar  
*Lecture: An Integrated Systems-Oriented Approach to Molecular Electronics*
528. **1 October 2002** Ångstrom Laboratory/Uppsala University/Sweden: Seminar  
*Lecture: Building a Molecular Meccano Kit*
529. **2–4 October 2002** University of Twente/Enschede/The Netherlands: MESA+  
 Symposium  
*Plenary Lecture: An Integrated Systems-Oriented Approach to Molecular  
 Electronics*
530. **4 October 2002** University of Amsterdam/The Netherlands: Seminar  
*Lecture: From Motor-Molecules to Molecular Machines and Electronic Devices*
531. **26 October 2002** UCLA: Seaborg Symposium  
*Lecture: Supramolecular Chemistry of Carbon Nanotubes*
532. **8 November 2002** IBM/Almaden  
*Lecture: An Integrated Systems-Oriented Approach to Molecular Electronics*
533. **13–15 November 2002** Notre Dame University/Indiana: Nieuwland Lectures  
*Lecture 1: An Integrated Systems-Oriented Approach to Molecular Electronics*  
*Lecture 2: Molecular Meccano*  
*Lecture 3: Dynamic Chirality*
534. **13 January 2003** Encino – Tarzana Regional Medical Center  
*Lecture: Meccano on the Nanoscale: A Blueprint for Making Some of the World's Tiniest  
 Machines*
535. **6 February 2003** NBIC Convergence 2003/UCLA  
*Keynote Address: Converging Physical and Human Dimensions*
536. **26 March 2003** 225<sup>th</sup> ACS National Meeting/New Orleans:  
 Interdisciplinary Symposium on "Polymer Design Using Non-  
 Covalent Methods"  
*Lecture: Toward Supramolecular Daisy-Chainlike Polymers*
537. **3 April 2003** NSF – IGERT – MCTP Seminar/UCLA



538. *Lecture: From NanoElectronics to NanoElectroMechanical Systems (NEMS)*  
**10–13 April 2003** Gothenburg/Sweden: CERC3 Young Chemists  
 Workshop 2003: “NanoScience – From Chemistry andMolecular  
 Microscopy to Design of Functional Nano-Structures”
539. *Plenary Lecture: Meccano on the Nanoscale: A Blueprint for Making Some of the World’s  
 Tiniest Machines*  
**18 April 2003** Columbus/Ohio: Materials Science and Engineering  
 Department Colloquium Series
540. *Seminar: Meccano on the Nanoscale: A Blueprint for Making Some of the World’s Tiniest  
 Machines*  
**18–21 May 2003** Groningen/The Netherlands: Royal Netherlands  
 Academy of Science International  
 Meeting on "Nanoscience and Technology"
541. *Invited Lecture: Meccano on the Nanoscale: A Blueprint for Making Some of theWorld’s Tiniest  
 Machines*  
**15–18 June 2003** Georgia Institute of Technology: 77<sup>th</sup> Colloid &  
 Surface Science Symposium
542. *Plenary Lecture: Mechanically Interlocked Polymers*  
**6–11 July 2003** Cumberland Conference and Leisure Resort in  
 Lorne/Victoria/Australia:  
 19 Royal Australian Chemical Institute Organic Conference  
 (19 RACIOC)
543. *Plenary Lecture: Meccano on the Nanoscale: A Blueprint for Making Some  
 of the World’s Tiniest Machines*  
**14 July 2003** ICCOSS XVI Meeting/Sydney/Australia  
*Invited Lecture: From Molecular Recognition via Molelectronics to  
 NanoElectroMechanical Systems (NEMS)*
544. **16 July 2003** Sydney University Chemical  
 Society/Sydney/Australia: 2003 Liversidge Lecture  
*Lecture: Synthetic Organic Chemistry Responding to the Opportunities  
 Provided by Nanotechnology*
545. **21–24 July 2003** Cambridge/UK: RSC Synthesis Meeting:  
 Synthetic Organic Chemistry  
*Lecture: Synthetic Organic Chemistry Responding to the Opportunities  
 Provided by Nanotechnology*
546. **27–29 July 2003** McLean/Virginia: DARPA Molelectronics Review Meeting  
*Presentation: The Latest Designs and Demonstrations of Bistable Switches*
547. **29 July–1 August 2003** Sheffield/UK: RSC Materials Chemistry 6  
*Plenary Lecture: Meccano on the Nanoscale: A Blueprint for Making Some  
 of the World’s Tiniest Machines*
548. **7 August 2003** IBM Almaden Research Center: CPIMA/CNSI  
 Technical Form on “Nanostructures and Nanoscience”  
*Keynote Presentation: Self-Assembly of a NanoSystems Institute from the Bottom-Up*
549. **10–15 August 2003** Ottawa/Canada: 39<sup>th</sup> IUPAC Congress and 86<sup>th</sup>  
 Conference of the Canadian Society for Chemistry:  
 Symposium on “Supramolecular Chemistry and Self-Assembly”  
*Keynote Lecture: Toward Supramolecular Daisy Chainlike Polymers*
550. **19–20 August 2003** San Francisco: BMM 2003 PI Conference  
*Presentation: Linear Motor-Molecule Based Biomimetic Muscles*
551. **26 August 2003** Mission Inn/Riverside: DARPA/DMEA – CNID PI Review  
*Presentation: The Mechanical Bond in Molecular Electronics*
552. **6–11 September 2003** 226<sup>th</sup> ACS National Meeting/New York:  
 One-Day Symposium on “Supramolecular Chemistry and Molecular  
 Recognition” (Bradley Smith and Vince Rotello)

- Invited Lecture: Interlocked Molecules Beyond Catenanes and Rotaxanes*  
 Polymer Chemistry Division Symposium on "Organic and Polymeric Materials for Plastic and Molecular Electronics"  
 (Zhenan Bao, Cherie Kagan & Bert de Boer)
- Invited Lecture: Molecular Electronics Based on Mechanically Interlocked Molecules*  
 Two-Day Symposium on "Molecular Recognition using Polymeric Materials" (S Thayumanavan and Vince Rotello)
- Invited Lecture: Supramolecular Chemistry of Carbon Nanotubes*  
 553. **19–20 September 2003** Berlin/Germany: International Dendrimer Symposium – IDS-3
- Invited Lecture: Multivalent Interactions – Transferring a Natural Phenomenon into a Unnatural Setting*  
 554. **30 September 2003** US Department of Commerce/Washington DC: Workshop on Regional, State, and Local Initiatives in Nanotechnology
- Presentation: California NanoSystems Institute*  
 555. **3 October 2003** Georgia Tech/Atlanta GA: Harold Nations Symposium on Frontiers in Polymeric Architectures
- Plenary Lecture: Toward Daisy Chain-Like Polymers*  
 556. **9–10 October 2003** San Francisco: 11<sup>th</sup> Foresight Conference on Molecular Nanotechnology
- Keynote Lecture: Meccano on the Nanoscale: A Blueprint for Making Some of the World's Tiniest Machines*  
*Tutorial Presentation: An Integrated Systems-Oriented Approach to Molecular Electronics*  
 557. **17 October 2003** Hilton Hotel/Long Beach: 38<sup>th</sup> Western Regional Meeting of the American Chemical Society: Symposium on "Nanomaterials and Applications"
- Talk: Single-Walled Carbon Nanotube-Based Molecular Switch Tunnel Junctions*  
 558. **22–24 October 2003** Saskatoon/Canada: Spinks Lectures at the University of Saskatchewan
- General Lecture: The Nature of the Mechanical Bond*  
*Specialist Lecture: An Integrated Systems-Oriented Approach to Molecular Electronics*  
 559. **26–28 October 2003** Bonn/Germany: Symposium on From Design of Chemical Templates to Reaction Control
- Plenary Lecture: Template-Directed Synthesis of Interlocked Molecular Compounds*  
 560. **7–8 November 2003** Faculty Club UCLA: Frontiers of Science
- Presentation: The CNSI – Where the Top-Down Meets the Bottom-Up*  
 561. **19–21 November 2003** Victoria/Canada: Lansdowne Lecture Series at the University of Victoria
- Public Lectures: The Self-Assembly of a NanoSystems Institute from the Bottom-Up*  
*Departmental Lecture: An Integrated Systems-Oriented Approach to Molecular Electronics*  
 562. **1–5 December 2003** Boston/Mass: Fall 2003 Materials Research Society: Symposium on "Nanostructured Organic Materials"
- Plenary Lecture: From NanoElectronics to NanoElectroMechanical Systems (NEMS)*  
 563. **12 February 2004** Seattle/Washington: AAAS Annual Meeting – 2004 Nanotechnology Seminar: Nanoscience and Nanoengineering
- Lecture: "From Molecular Recognition to an Integrated Systems-Oriented Approach to Molecular Electronics"*  
 564. **19–20 February 2004** POSTECH/Pohang/Korea: International Symposium in Bionanotechnology
- Lecture: "An Integrated Systems-Oriented Approach to Molecular Electronics"*  
 565. **23 February 2004** Faculty Club/UCLA: NEC Delegation from Japan
- Presentation: "An Integrated Systems-Oriented Approach to Molecular Electronics"*  
 566. **4 March 2004** Four Seasons Biltmore Hotel/Santa Barbara:

- Center for NanoScale Innovation for Defence Review Meeting
567. *Lecture: "Molelectronics"*  
**8 March 2004** UCLA: MARCO Focus Center – FENA Kick-Off Meeting
568. *Presentation: "Novel Materials from Atomic and Molecular Levels"*  
**9 March 2004** Hotel Del Coronado/San Diego: Second Annual  
 Accelrys World Meeting
569. *Nanotechnology Lecture: "An Integrated Systems-Oriented Approach to Molecular Electronics"*  
**27 March – 1 April 2004** 227<sup>th</sup> ACS National Meeting/Anaheim:  
 Symposium in Honor of Virgil Percec on Monday 29 March: "**Harnessing Multivalency in  
 Unnatural Systems**"  
 Symposium on "Polymers in Micro- and Nano-Electronics" on Wednesday 31 March: "**Molecular  
 Meccano  
 and Nanoelectronics**"
570. **5 April 2004** Bristol/UK: Bristol Synthesis Meeting
571. *Invited Lecture: "Template-Directed Synthesis of Interlocked Molecular Compounds"*  
**6 April 2004** Exeter/UK: Departmental Seminar
572. *Lecture: "An Integrated Systems-Oriented Approach to Molecular Electronics"*  
**15 April 2004** Department of Chemistry and Biochemistry/UCLA:  
 Materials Creation Training Program
573. *Lecture: "Molecular Meccano and Molecular Electronics"*  
**21–23 April 2004** Snowbird/Utah: Foundations of Nanoscience: Self-  
 Assembled Architectures and Devices
574. *Lecture: "Molecular Meccano and Molecular Electronics"*  
**26 April 2004** Durham/New Hampshire: Frontiers Seminar in the  
 College of Engineering and Physical Sciences  
 (CEPS) at the University of New Hampshire
575. *Broad Interest Lecture: "The Nature of the Mechanical Bond"*  
*Special Interest Lecture: "An Integrated Systems-Oriented Approach to Molecular Electronics"*  
**28–29 April 2004** Hebrew University of Jerusalem Israel: 2004  
 Musher Memorial Lecture
576. *Memorial Lecture: "The Nature of the Mechanical Bond"*  
*Seminar Lecture: "An Integrated Systems-Oriented Approach to Molecular Electronics"*  
**6–7 May 2004** University of Pennsylvania/Philadelphia: Wyeth Research Lectureship  
*Seminar (at Wyeth): "Template-Directed Synthesis of Mechanically Interlocked Molecular  
 Compounds"*
577. *Lecture (at Penn): "The Nature of the Mechanical Bond"*  
**23–26 May 2004** Rockville/Washington DC: DOE Contractors' Meeting  
*Overview Lecture: "Nano Meccano"*
578. **8–9 June 2004** Venice/Italy: Master Classes in Nanotechnology on  
 Molecular Recognition and Self-Assembly
- Lecture 1: "Dynamic Chemistry"*  
*Lecture 2: "Anion Templatation in the Solid State"*  
*Lecture 3: "Donor-Acceptor Recognition"*  
*Lecture 4: "First Generation Bistable [2]Rotaxanes"*  
*Lecture 5: "Second Generation Bistable [2]Rotaxanes"*  
*Lecture 6: "Metastability Across Environments"*  
*Lecture 7: "Multivalency"*  
*Lecture 8: "Molecular Machines"*
579. **10 June 2004** Padua/Italy: Public Lecture at the University of Padua  
*Lecture: "Nano Meccano: A Blueprint for Making Some of the World's  
 Tiniest Machines"*
580. **11 June 2004** Milan/Italy: Symposium on Nanotechnology and DNA  
 Computing: Reaching the Ultimate Control of  
 Structure and Computation on the Nanoscale

- Lecture: **“Meccano on the NanoScale: A Blueprint for Making Some of the World’s Tiniest Machines”**  
 581. **20–21 June 2004** Salve Regina University/Newport Rhode Island: Gordon Research Conference on Stereochemistry
- Invited Lecture: “Dynamic Chirality and Topology”*  
 582. **5–9 July 2004** Singapore: First Nanoengineering and Nanoscience Congress  
*Keynote Lecture: “An Integrated Systems-Oriented Approach to Nanoelectronics”*  
 Singapore: Singapore National Institute of Chemists
- Public Lecture: “The Nature of the Mechanical Bond”*  
 583. **25–27 July 2004** Mount Holyoke College/South Hadley MA: Gordon Research Conference on Electronic Processes in Organic Materials (EPOM’04)
- Invited Lecture: “Molecular Meccano and Molecular Electronics”*  
 584. **27–30 July 2004** Notre Dame University/Indiana: International Symposium on Supramolecular Chemistry – ISSC-XIII
- Plenary Lecture: “The Nature of the Mechanical Bond”*  
 585. **1–6 August 2004** Nagoya/Japan: 15<sup>th</sup> International Congress of Organic Synthesis – ICOS15
- Gold Medal Lecture: “The Nature of the Mechanical Bond”*  
 586. **6 August 2004** Yokkaichi/Japan: JSR Corporation
- Lecture: “Molecular Meccano and Molecular Electronics”*  
 587. **19 August 2004** MURI Meeting/Harvard University
- Lecture: “Recognition Elements for Self-Assembly”*  
 588. **21–26 August 2004** Fall 2004 ACS National Meeting/Philadelphia Symposium in Honor of Daryle Busch entitled “From the Template Effect to Spontaneous Intermolecular Organization” on **Tuesday 24 August**:  
*Lecture “Template-Directed Synthesis of Mechanically Interlocked Molecular Compounds”*  
 International Symposium entitled “Functional Polymers and Dendrimers – From Synthesis to Applications” on **Monday 23 August**  
*Lecture: “Towards Daisy Chain Polymers by Dynamic Chemistry”*  
 Organic Division Session on “Materials, Devices, and Switches on **Tuesday 24 August**
- Lecture: “Controlling the Helical Chirality of Donor-Acceptor [2]Catenanes”*  
 589. **25 August 2004** DuPont CR&D/Wilmington/Delaware
- Lecture: “Nano Meccano – Putting Molecular Machines to Work in More Ways than One”*  
 590. **8–9 September 2004** Cambridge/UK: Nanoforum Summer School on “Molecular Self-Assembly” at the Nanoscience Centre in Cambridge
- Lecture 1: “The Nature of the Mechanical Bond”*  
*Lecture 2: “An Integrated Systems-Oriented Approach to Molecular Electronics”*  
*Lecture 3: “Molecular Meccano in Action”*  
 591. **11–16 September 2004** Tomar/Portugal: European Science Foundation Conference on “From Clever Molecules to Smart Materials”
- Invited Lecture: “The Role of Physical Environment on Molecular Electrochemical Switching”*  
 592. **4 October 2004** Portland/Oregon: 31<sup>st</sup> Annual Meeting of the Federation of Analytical Chemistry and Spectroscopy Societies (FACSS): Second Symposium on Carbon Nanotube Separations
- Invited Lecture: “Single-Walled Carbon Nanotubes Under the Influence of Dynamic Coordination and Supramolecular Chemistry”*  
 593. **15 October 2004** Milwaukee/Wisconsin: Nanoscience Symposium in Honor of the Late Dean Keulks at the University of Wisconsin-Milwaukee
- Presentation: “Nano Mecanno”*

594. **19–20 October 2004** University of Jyväskylä/Finland: VIP Invitation to the Opening of the Jyväskylä NanoScience Center  
*Lecture: “Nano Meccano in Action”*
595. **22–23 October 2004** Stanford/California: 19<sup>th</sup> Annual WS Johnson Symposium in Organic Chemistry  
*Lecture: “The Nature of the Mechanical Bond”*
596. **1 November 2004** UCLA/Grand Horizon: CNID Review  
*Lecture “NanoMechanics in Action”*
597. **9 November 2004** CALTECH: Molelectronics Review  
*Presentation: “Molecular Switching in Mechanically Interlocked Molecules”*
598. **10–14 November 2004** Research Triangle Park/NC: Symposium in Honor of Ernest Eliel  
*Invited Lecture: “Dynamic Topology”*
599. **16 November 2004** Corning Science & Technology: Self-Assembly Workshop  
*Lecture: “An Integrated Systems-Oriented Approach to Molecular Electronics”*
600. **25 November 2004** Universität Ulm/Germany: GDCh-Kolloquium  
*Lecture: “The Nature of the Mechanical Bond”*
601. **26–27 November 2004** Universität Ulm/Germany: SFB Workshop on “Towards Molecular Electronics”  
*Lecture: “An Integrated Systems-Oriented Approach to Molecular Electronics”*
602. **7 December 2004** Meiji Memorial Hall/Tokyo/Japan  
*Presentation: “CNSI: Self-Assembly of an Institute from the Bottom-Up”*
603. **7–10 December 2004** Tsukuba/Japan: 12<sup>th</sup> International Symposium on Advanced Materials (12<sup>th</sup> ISAM)  
*Lecture: “Nano Meccano”*
604. **12 January 2005** Kellogg School of Science and Technology/The Scripps Research Institute/La Jolla/CA: Distinguished Lecture Series  
*Lecture: “Nano Meccano in Action”*
605. **18 January 2005** UCLA: FENA Annual Review  
*Presentation: “Novel Materials from Atomic and Molecular Levels”*
606. **28–29 January 2005** CNSI Business Advisory Board Meeting  
University of California, Santa Barbara  
*Presentation: “RGB in One Molecule”*
607. **15–16 February 2005** David International Continental Hotel/Tel Aviv: Israel Chemical Society Meeting (ICS 2005)  
*Plenary Lecture: “An Integrated Systems-Oriented Approach to Molecular Electronics”*
608. **23–25 February 2005** Sheraton Keauhou Bay Resort & Spa/Kona/Hawaii: New Frontiers in NanoScience Sponsored by the CNSI  
*Lecture: “An Integrated Systems-Oriented Approach to Molecular Electronics”*
609. **16 March 2005** Tsukuba/Japan: 9<sup>th</sup> NIMS Lecture  
*Lecture: “Nanoelectronics and the California NanoSystems Institute”*
610. **16–17 March 2005** AIST/Tsukuba/Japan: International Symposium on Molecular Smart Materials  
*Lecture: “Nano Meccano in Action”*
611. **21 March 2005** Birmingham University/UK: Collaborative Research Network in Nanotechnology  
*Lecture: “Nano Toys and Nano Art: How Fun and Beauty Inspire Creativity”*
612. **23 March 2005** Nottingham University/UK: RSC Materials Chemistry Form – Chemical Nanoscience and Nanotechnology  
*Lecture: “An Integrated Systems-Oriented Approach to Molecular Electronics”*
613. **25 March 2005** QSR/HP Labs/Palo Alto: Nanotechnology Symposium  
*Lecture: “NanoMeccano – Putting Artificial Machines to Work”*
614. **14 April 2005** BASF-AG/Ludwigshagen/Germany Visit  
*Lecture: “An Integrated Systems-Oriented Approach to Molecular Electronics”*

615. **15 April 2005** ISIS/Strasbourg/France: Chemistry – A European Conference – Stimulating Concepts in Chemistry  
*Lecture: “A Decade of Matching Chemistry with Chemistry”*
616. **16 April 2005** ULP/ Strasbourg/France: Informal Mini-Symposium with the Sauvage Group  
*Lecture: “Borromeates and Borromeands”*
617. **21 April 2005** UCLA: Materials Creation Training Program  
*Seminar: “Molecular Meccano and Molecular Electronics”*
618. **22 April 2005** Materials Science Institute/University of Oregon/Eugene/Oregon: Seminar  
*Lecture: “An Integrated Systems-Oriented Approach to Molecular Electronics”*
619. **28 April 2005** American Philosophical Society/Benjamin Franklin Hall/Philadelphia: Annual General Meeting  
*Lecture: “Nano Toys and Nano Art: How Fun and Beauty Inspire Creativity”*
620. **5 May 2005** Fudan University/ Shanghai/China: Seminar  
*Lecture: “Nano Meccano in Action”*
621. **6 May 2005** Tongji University/Shanghai/China: Seminar  
*Lecture: “Nano Meccano: An Integrated Systems-Oriented Approach to Molecular Electronics”*
622. **7 May 2005** East China University of Science and Technology/Shanghai/China: Seminar  
*Lecture: “Nano Meccano: An Integrated Systems-Oriented Approach to Molecular Electronics”*
623. **8 May 2005** Shanghai Jiao Tong University/China: Seminar  
*Lecture: “An Integrated Systems-Oriented Approach to Molecular Electronics”*
624. **10 May 2005** Institute of Chemistry/Chinese Academy of Sciences/Beijing/China: Seminar  
*Lecture: “Nano Meccano: An Integrated Systems-Oriented Approach to Molecular Electronics”*
625. **11 May 2005** Nankai University/Tianjin/China: The 3<sup>rd</sup> Asian Cyclodextrin Conference (ACC 2005)  
*Invited Lecture: “Ringing and Stringing Cyclodextrins”*
626. **13 May 2005** College of Chemistry/Peking University/Beijing/China: Seminar  
*Lecture: “Nano Meccano: An Integrated Systems-Oriented Approach to Molecular Electronics”*
627. **23 May 2005** Hebrew University/Jerusalem/Israel: Seminar  
*Lecture: “Borromeates and Borromeands”*
628. **24 May 2005** Department of Chemistry/Technion/Haifa/Israel: One-Day Symposium  
in Honor of the 2005 Chemistry Wolf Prize Laureate, Richard N Zare  
*Invited Lecture: “Nano Meccano in Action”*
629. **25 May 2005** Weizmann Institute/Rehovot/Israel: Seminar  
*Lecture: “Nano Meccano: An Integrated Systems-Oriented Approach to Molecular Electronics”*
630. **26 May 2005** Department of Chemistry/Tel Aviv University/Israel: Seminar  
*Lecture: “Borromeates and Borromeands”*
631. **2 June 2005** Materials Science Centre/University of Groningen/The Netherlands: Colloquium  
*Lecture: “Nano Meccano: An Integrated Systems-Oriented Approach to Molecular Electronics”*
632. **3 June 2005** Nano-Science Center/University of Copenhagen/Denmark: Nanoscience Seminar  
*Lecture: “Nano Meccano: An Integrated Systems-Oriented Approach to Molecular Electronics”*

633. **13–17 June 2005** Palazzo Feltrinelli/Gargnano/Lake Garda/Italy: Three lectures on  
**“The Mechanical Bond”** at the XXX Attilo Corbella Summer School  
in Organic Synthesis, Organic Chemistry Division, Italian Chemical  
Society  
*Lecture 1: “Nano Meccano: An Integrated Systems-Oriented Approach to Molecular  
Electronics”*  
*Lecture 2: “Nano Meccano: The Magnificent Young Chemists and their Working Molecular  
Machines “*  
*Lecture 3: “Nano Toys and Nano Art: How Fun and Beauty Inspire Creativity”*
634. **20 June 2005** Tilton/NH: Gordon Research Conference on  
Carbohydrates: Glyconanotechnology  
*Invited Lecture: “Cooperativity and Multivalency”*
635. **15 July 2005** University of Birmingham/UK: Conferment of  
Honorary Degree of Doctor of Science  
*Acceptance Speech: “Changing Places”*  
*Question & Answer: “Academic Life on Opposite Sides of the Pond”*
636. **25 July 2005** UCLA: Syllabus 2005 Conference Day at UCLA  
*Plenary Lecture: “Nano Toys and Nano Art: How Fun and Beauty Inspire Creativity”*
637. **28 July 2005** Clemson University/SC: Summer Undergraduate Research Program  
*Presentation: “Nano Art and Nano Toys: How Fun and Beauty Inspire Creativity”*
638. **13–17 July 2005** Beijing/China: 40<sup>th</sup> IUPAC Congress: Innovation in Chemistry  
*Plenary Lecture: “Nano Meccano: An Integrated Systems-Oriented Approach to Molecular  
Electronics”*
639. **18-19 August 2005** Park City UT: Mole Apps PI Review  
*Presentation: “Recent Advances in Molecular Electronics”*
640. **27–29 August 2005** Washington DC: 230<sup>th</sup> ACS Meeting: Division of  
Polymer Chemistry: Molecular Recognition Using Polymers  
*Invited Lecture: “Template-Directed Synthesis of Mechanically Interlocked Dendrimers”*
641. **1–2 September 2005** Arlington VA: MURI Meeting  
*Presentation: “Templated Self-Assembled Materials”*
642. **7–9 September 2005** Salzburg/Austria: Second World Congress on  
Synthetic Receptors
643. **15–16 September 2005** Madrid/Spain: Universidad Autonoma de Madrid  
*Seminar: “Nano Art and Nano Toys: How Fun and Beauty Inspire Creativity”*
644. **17–19 September 2005** Lugo/Galicia/Spain: XXX Biannual Meeting of the  
Spanish Royal Society of Chemistry  
*Plenary Lecture: “Nano Meccano: An Integrated Systems-Oriented Approach  
to Molecular Electronics”*
645. **20–23 September 2005** Centro Stefano Franscini/Monte Verità/Ascona: From  
Molecular Switches to Molecular Motors  
*Lecture: “Nano Meccano”*
646. **6–7 October 2005** Pittsburgh PA: The University of Pittsburgh Science 2005 Event  
*Plenary Lecture: “Nano Meccano: An Integrated Systems-Oriented Approach  
to Molecular Electronics”*
647. **16–19 October 2005** Obernai/France: EURESCO Conference on  
“Supramolecular Chemistry: Molecular Architectures and Systems”  
*Plenary Lecture: “Nano Meccano”*
648. **21 October 2005** Aarhus/Denmark: iNANO Seminar Series  
*Lecture: “An Integrated Systems-Oriented Approach to Molecular Electronics”*
649. **24–25 October 2005** Charlotte NC: Symposium on “Nanoscale Science &  
Engineering: Convergence of the Top-Down and  
Bottom-Up Approaches” at the University of North Carolina  
& Charlotte Research Institute  
*Invited Keynote Lecture: “An Integrated Systems-Oriented Approach to Molecular Electronics”*

650. **30 Oct–4 Nov 2005** Edinburgh/Scotland: Carnegie Trust Centenary Professorship for 2005  
*Program:* Departmental Seminar: “**An Integrated Systems-Oriented Approach to Molecular Electronics**”  
*Public Chair Lecture:* “**Nano Art and Nano Toys. How Beauty and Fun Inspire Creativity**”
651. **5–6 November 2005** Northwestern University: International Institute for Nanotechnology Symposium  
*Lecture:* **An Integrated Systems-Oriented Approach to Molecular Electronics**
652. **8 November 2005** IPAM (FENA/UCLA): Self-Assembly of Nanoscale Structures  
*Lecture:* “**Nano Meccano. An Integrated Systems-Oriented Approach to Molecular Electronics**”
653. **11 November 2005** UCSB/Santa Barbara: November 2005 Biannual Canadian Institute of Advanced Research (CIAR) “Nanoelectronics” Meeting  
 Friday: Molecules as Circuit Elements  
*Presentation:* “**Molecular Electronics**”
654. **16–18 November 2005** Twin Cities of Minneapolis & St Pauls: 2005-2006 Gassman Lecturer at University of Minnesota  
*Lecture 1:* “**Nano Art and Nano Toys. How Beauty and Fun Inspire Creativity**”  
*Lecture 2:* “**Whither Molecular Electronics**”
655. **21 November 2005** ETH Zurich/Switzerland: First Novartis Lecture  
*Lecture:* “**Borromeanes and Borromeanoids**”
656. **22 November 2005** Zurich/Switzerland: Organic Colloquium at the University of Zurich  
*Lecture:* “**Whither Molecular Electronics**”
657. **27 Nov–3 Dec 2005** Edinburgh/Scotland: Carnegie Trust Centenary Professorship for 2005  
*Program:* Half-Day Symposium: “**The Nature of the Mechanical Bond**”  
 St Andrews/Scotland  
*Lecture:* “**Nano Meccano**”
658. **1 December 2005** Santa Barbara: DMEA CNID PI Review  
*Presentation:* “**Molecular Electronics**”
659. **5–6 December 2005** Tsukuba/Japan: International Symposium on Molecular Scale Electronics at AIST  
*Invited Lecture:* “**Whither Molecular Electronics**”
660. **15–20 December 2005** Honolulu/Hawaii: PACIFICHEM 2005  
 1. Materials Chemistry and Nanotechnology: Session on “Supramolecular Materials, Thin Films and Devices”  
*Lecture:* “**A Multicomponent Redox-Driven Molecular Shuttle**”  
 2. Materials Chemistry and Nanotechnology: Session on “Design of Nanomaterials and Devices”  
*Lecture:* “**Ground-State Equilibrium Thermodynamics and Switching Kinetics of Bistable Catenanes and Rotaxanes**”  
 3. Molecular Materials and Nanotechnology: Session on “Molecular Switching”  
*Lecture:* “**Nano Meccano**”
661. **12 January 2006** Covel Commons/UCLA: Canada-California Strategic Innovative Partnership Summit  
*Presentation:* “**Blue Ribbon Task Force on Nanotechnology**”
662. **17–18 January 2006** Luxe Hotel/Los Angeles: FENA Year 2 Annual Review  
*Presentation:* “**Atomic and Molecular Functional Materials**”
663. **16 February 2006** Oklahoma University: Karchar Lecture  
*Lecture:* “**Whither Molecular Electronics**”
664. **2 March 2006** MCTP/UCLA: Seminar  
*Lecture:* “**Molecular Meccano and Molecular Electronics**”



665. **9 March 2006** University of Basel/Switzerland: Basel Chemical Society Meeting  
*Lecture: "Wither Molecular Electronics"*
666. **10 March 2006** University of Fribourg/Switzerland: Swiss Chemical Society (Spring Meeting on "Functional Molecular Materials")  
*Lecture: "Nano Meccano"*
667. **3–4 April 2006** Ohio State University/Columbus OH: 2006 Mack Memorial Award  
*Seminar: "Whither Molecular Electronics"*
668. **14 April 2006** Ames/Iowa: Iowa State University – Seminar in Department of Chemistry  
*Seminar: "Whither Molecular Electronics"*
669. **4 May 2006** UCLA: Science Faculty Research Colloquium  
*Lecture: "Science Engineered by Art"*
670. **10 May 2006** Kodak/Rochester: Symposium in Honor of Samir Farid  
*Lecture: "Whither Molecular Electronics"*
671. **15–20 May 2006** Osaka/Japan: Seventh International Symposium on Functional  $\pi$  Electron Systems  
*Plenary Lecture: "Molecular Electronics"*
672. **30 May 2006** UCLA: NanoSystems Seminar Series (with D Philp)  
*Lecture: "Engineering Big Time. There's Plenty of Room at the Top"*
673. **31 May 2006** Halifax/Nova Scotia: CSC Conference in Halifax – Symposium on "Macromolecular and Supramolecular Chemistry"  
*Lecture: "Nano Toys and Nano Art. How Fun and Beauty Inspire Chemical Creativity"*
674. **1–2 June 2006** Glasgow/Scotland: Carnegie Trust Centenary Professorship  
*Lecture: "Links and Knots"*
675. **5–6 June 2006** London/UK: Royal Society Discussion Meeting on "Supramolecular Nanotechnology for Organic Electronics"  
*Lecture: "Whither Molecular Electronics"*
676. **26 June 2006** Santa Monica CA: CNID PI Meeting  
*Lecture: "Whither Molecular Electronics"*
677. **27–28 June 2006** Sparks/Nevada: 2006 Northwest Regional ACS Meeting  
*Prominent Lecture: "Whither Molecular Electronics"*  
*Fuson Award Lecture: "Links and Knots"*
678. **8 July 2006** University of Karlsruhe: Criegee Lecture 2006  
*Lecture: "Links and Knots"*
679. **12 July 2006** UPL/Strasbourg/France: Invited Professorsip at UPL  
*Lecture: "Whither Molecular Electronics"*
680. **9 July 2006** Karlsruhe: Center for Functional Nanostructures  
*Lecture: "Organic Molecular Electronics"*
681. **30 July–4 August 2006** Basel/Switzerland: International Conference on Nanoscience and Nanotechnology  
*Invited Lecture: "Wither Molecular Electronics"*
682. **19–14 September 2006** San Francisco: Fall 2006 ACS Meeting  
(1) Symposium on "Organic Approaches to Nanotechnology"  
*Invited Lecture: "Molecular Architectonics and Electronics"*  
(2) Award Symposium in Honor of Jiaying Huang  
*Invited Lecture: "Some Great Graduate Students: Achievements Then and Since"*
683. **29 September 2006** Washington DC: Visit to NSF Chemistry Division  
*Presentation: "Chemistry for all Seasons"*
684. **27 October 2006** Caltech: MoleApps Meeting  
*Presentation: "HP & UCLA CALTECH Science"*
685. **31 October 2006** San Jose Marriott San Jose CA: SEMI Nano U 2006  
*Presentation Invitation: "Overview of the California NanoSystems Institute"*
686. **6 November 2006** UCLA: Monday Luncheon Seminar

687. *Seminar: "Knots Galore"*  
**16–17 November 2006** UMass-Amherst: Department of Chemistry  
*Lecture: "Whither Molecular Electronics"*
688. **27 November 2006** Amsterdam/The Netherlands: Meeting of the Science Division  
of the Royal Netherlands Academy of Arts and Sciences
689. **30 Nov – 2 Dec 2006** Enschede/The Netherlands: Honorary Doctorate from the  
University of Twente
690. *Seminar: "The Art and Practice of Molecular Electronic Device Design and Construction"*  
**4 December 2006** Bologna/Italy: From Coordination Molecules to Supramolecules  
and Celebrating the First 70 Years of Vincenzo Balzani
691. *Seminar: "Sixty-Four is What?"*  
**12 December 2006** Riverside CA: CNID PI Meeting  
*Lecture: "Using Bistable [2]Rotaxanes in Memory Devices"*
692. **16–17 January 2007** Los Angeles: Third Annual FENA Review Meeting  
*Presentation: "Atomic and Molecular Functional Materials"*
693. **25 January 2007** Stockholm University/Sweden: Lecture  
*Lecture: "The Art and Practice of Molecular Electronic Device Design and Construction"*
694. **26–27 January 2007** Stockholm/Sweden: Berzelius Days Event  
*Invited Lecture: "Knots Galore"*
695. **11–14 March 2007** University of Florida/Gainesville: 8th Florida Heterocyclic  
Conference  
*Plenary Lecture: "Thermodynamically and Kinetically Controlled Template-Directed  
Synthesis"*
696. **15–16 March 2007** University of Florida/Gainesville: Center for Research at the  
Bio/Nano Interface  
*Lecture: "The Art and Practice of Molecular Electronic Device Design and Construction"*
697. **24–29 March 2007** Chicago: Spring 2007 ACS Meeting/Peter Stang Award Symposium  
*Lecture: "Iodide-Catalyzed Magic Ring Opening as an Efficient Route to Donor-Acceptor  
[2]Catenanes"*
698. **10–11 April 2007** Penn State University: Materials Day  
*Plenary Lecture: "The Art and Practice of Molecular Electronic Device Design and  
Construction"*
699. **19–22 April 2007** Purdue/West Lafayette IN: HC Brown Lectures in Organic Chemistry  
*Invited Lecture: "The Art and Practice of Molecular Electronic Device Design and  
Construction"*
700. **27 April 2007** Hong Kong: "14th Annual Symposium on Chemistry  
Postgraduate Research in Hong Kong"  
*Keynote Lecture: "Covalent and Coordinative Dynamic Chemistry"*
701. **30 April 2007** Hong Kong: HKU Department of Chemistry Seminar  
*Seminar: "Molecular and Supramolecular Nanovalves"*
702. **7–9 May 2007** ECUST Shanghai/China: International Conference on  
Molecular Machines and Sensors  
*Invited Lecture: "The Art and Practice of Molecular Electronic Device Design and  
Construction"*
703. **30 May 2007** Santa Barbara CA: CNID PI Meeting  
*Lecture: "Stimuli-Responsive Molecular Nanovalves"*
704. **3–7 June 2007** Duke University/Durham/NC: 40th National Organic Chemistry  
Symposium  
*Invited Lecture: "An Integrated Systems-Oriented Approach to Molecular Electronics"*
705. **6–10 June 2007** Edinburgh/Scotland: The Young Giants in Chemistry: A  
Scientific Meeting in Celebration of the 65th Birthday of JFS  
*Final Lecture: "Walking in the Footsteps of Young(-ish) Giants"*
706. **11 June 2007** University Chemical Laboratory/Cambridge/UK: Departmental  
Seminar

707. *Seminar: "Molecular Memories"*  
**16–19 June 2007** Nottingham/UK: Opening of Nanoscience and Nanotechnology Center
708. *Lecture: "Molecular Memories"*  
**24–30 June 2007** Salice Terine (Pavia)/Italy: 32nd International Symposium on Macrocyclic Chemistry
709. *Plenary Lecture: "Covalent and Coordinative Dynamic Chemistry"*  
**10–13 July 2007** Tsukuba/Japan: 1st NIMS Conference on Recent Breakthroughs in Materials Science and Technology
710. *Invited Lecture: "Chemistry and Molecular Nanotechnology for Tomorrow's World"*  
**22–27 July 2007** Awaji Island/Kobe/Japan: 12th International Symposium on Novel Aromatic Compounds (ISNA-12)
711. *Plenary Lecture: "The Art and Practice of Molecular Electronic Device Design and Construction"*  
**5–7 August 2007** Northwestern/Evanston/IL: 13th International Conference on Unconventional Photoactive Systems
712. *Invited Lecture: "Molecular and Supramolecular Nanovalves"*  
**6–9 August 2007** College Park/MD: 9th International Conference on Calixarenes
713. *Plenary Lecture: "Mingling Art with Science"*  
**19–23 August 2007** Boston: Fall 2007 ACS Meeting  
 (1) Symposium on "Bold Predictions in Theoretical Chemistry: A Symposium in Honor of One of the Boldest, Bill Goddard on the Occasion of his 70th Birthday"
714. *Invited Lecture: "Chemistry and Molecular Nanotechnology in Tomorrow's World"*  
**5–8 September 2007** Annapolis/MD: MoleApps PI Review Meeting  
 (2) Symposium on "Chemistry of the Mechanical Bond and Beyond"
715. *Lecture: "Thermodynamically and Kinetically Controlled Template-Directed Synthesis"*  
**10 September 2007** Ankara/Turkey: Academy Conference of the Turkish Academy of Science at the Cultural and Conventional Center of the Middle East Technical University
716. *Lecture: "Chemistry and Molecular Nanotechnology for Tomorrow's World"*  
**12 September 2007** Enschede/The Netherlands: David Reinhoudt Farewell Symposium
717. *Plenary Lecture: "Chemistry and Molecular Nanotechnology for Tomorrow's World"*  
**13 September 2007** Institute of Physics/London/UK: Evening Lecture
718. *Lecture: "Chemistry and Molecular Nanotechnology for Tomorrow's World"*  
**14 September 2007** Oxford University/Oxford/UK: Seminar to the Oxford Bionanotechnology Group
719. *Lecture: "Molecular and Supramolecular Nanovalves"*  
**22 September 2007** Guadalajara/Mexico: 42nd Meeting of the Mexican Chemical Society
720. *Opening Plenary Lecture: "Chemistry and Molecular Nanotechnology in Tomorrow's World"*  
**24 September 2007** Northwestern University/Evanston/IL  
 (1) Presentation to the New Graduate Students
721. *Presentation: "Some Great Graduate Students and Research Themes Old and New"*  
**9–10 October 2007** Arlington/VA: Conference on "Productive Nanosystems: Launching the Technology Roadmap"
722. *Presentation: "Sliding Bars and Doors"*  
**29 October 2007** University of Chicago/Chicago/IL: Closs Lecture Series
723. *Feynman Prize Award Address: "Feynman Revisited"*  
**15–16 November 2007** Brigham Young University/Provo/UT: Izatt-Christensen Lectureship
- Public Lecture: "Mingling Art with Science"*  
*Research Lecture: "Chemistry and Molecular Nanotechnology in Tomorrow's World"*

724. **19 November 2007** University of Arkansas/Fayetteville/AR: 2007/2008 Arthur Fry Lectureship  
*Fry Lecture: "Chemistry and Molecular Nanotechnology for Tomorrow's World"*
725. **23–26 November 2007** Universidad Autónoma de Nuevo León, Monterrey, Mexico: Albert Einstein World Award of Science  
*Award Lecture: "Chemistry and Molecular Nanotechnology for Tomorrow's World"*
726. **28 Nov–1 Dec 2007** Hotel Métropole/Brussels/Belgium: 21st Solvay Conference on Chemistry on "From Noncovalent Assemblies to Molecular Machines"  
*Invited Lecture: "Template Synthesis of Catenanes and Rotaxanes"*
727. **3 December 2007** Arlington/VA: Nanoscale Science and Engineering 2007 NSF Grantees Conference  
*Keynote Lecture: "What can Mechanical Bonds bring to Synthetic NanoSystems and Nanomachinery?"*
728. **18–19 December 2007** University of Manchester/UK: RSC UK Macrocyclic and Supramolecular Chemistry Group Meeting  
*Keynote Lecture: "Chemistry and Molecular Nanotechnology in Tomorrow's World"*
729. **29–30 January 2008** Luxe Hotel/Los Angeles: Fourth Annual FENA Review  
*Presentation: "Atomic and Molecular Functional Materials"*
730. **22 February 2008** McCormick Tribune Campus Center/IIT/Chicago: Kilpatrick Lecture  
*Lecture: "Chemistry and Molecular Nanotechnology in Tomorrow's World"*
731. **1–5 March 2008** University of Kuwait/Kuwait City/Kuwait: 5<sup>th</sup> Eurasian Meeting on Heterocyclic Chemistry  
*Plenary Lecture: "Mingling Art with Science"*
732. **6–7 March 2008** Baylor University/Waco/Texas: 2008 Gooch-Stephens Lectureship  
(1) *General Lecture: "Mingling Art with Science"*  
(2) *Lecture: "Chemistry and Molecular Nanotechnology in Tomorrow's World"*
733. **17–20 March 2008** Appalachian State University/Boone/NC: 2008 Morgan Science Lectureship  
(1) *Public Lecture: "Mingling Art with Science"*  
(2) *Lecture: "Chemistry and Molecular Nanotechnology in Tomorrow's World"*
734. **1 April 2008** Boston College/Chestnut Hill/Boston: Organic Seminar  
*Seminar: "Chemistry and Molecular Nanotechnology in Tomorrow's World"*
735. **2 April 2008** Kent State University/Cleveland/OH  
*Lecture: "Chemistry and Molecular Nanotechnology in Tomorrow's World"*
736. **6–10 April 2008** New Orleans/LA: ACS Spring National Meeting: Symposium on "Stimuli-Responsive Polymers"  
*Invited Lecture: "Polymers with Noncovalent Bonding on the Side"*
737. **19 April 2008** Norris University Center/Northwestern University/Evanston: A Day With Northwestern/Lecture for NU Alumni  
*Presentation: "Mingling Art and Everyday things with Nanoscience and Nanotechnology"*
738. **21–22 April 2008** Peter B Sherry Memorial Lectureship/Georgia Institute of Technology/Atlanta/GA  
*Technical talk: "Chemistry and Molecular Nanotechnology in Tomorrow's World"*  
*General talk: "Mingling Art with Science"*
739. **27–29 April 2008** One-Day Symposium on "Trends in Organic Chemistry"/Uppsala/Sweden  
*Lecture: "Molecular and Supramolecular Nanovalves"*
740. **13 May 2008** Nanotechnology Town Hall Meeting/Northwestern University/Evanston  
*Presentation: "Mingling Art with Science"*

741. **14 May 2008** Defense Advanced Research Projects Agency (DARPA) Meeting/Los Angeles/CA  
*Presentation: "Mechanized Nanoparticles for Drug Delivery"*
742. **19–20 May 2008** NIH Workshop on "Future Directions of Multivalent Agents in Therapeutic Development"/Bethesda/MD  
*Presentation: "Concept Transfer between Materials Science and the Life Sciences"*
743. **10–12 June 2008** French American Chemical Society Meeting (FACS XIII)/Santa Barbara/CA  
*Lecture: "Folding Polyrotaxanes Using Secondary Supramolecular Interactions"*
744. **17–19 June 2008** International Conference on Nanotechnology/Jeddah/Saudi Arabia  
*Keynote Lecture: "Chemistry and Molecular Nanotechnology in Tomorrow's World"*
745. **25–29 June 2008** Symposium on "Molecular Nanoscience 2008: The State of the Art" Reading/UK  
*Lecture: "Chemistry and Molecular Nanotechnology in Tomorrow's World"*
746. **16–20 August 2008** ACS Fall National Meeting/Philadelphia/PA  
**17 August 2008**  
*Tetrahedron Prize Lecture: "Big and Little Meccano"*  
**19 August 2008**  
*Cope Award Lecture: "Accentuating the Abstract in Contemporary Chemistry"*
747. **1–4 September 2008** Yamada Conference on "Symposium on Topological Molecules"/Awaji Island/Hyogo/Japan  
*Plenary Keynote Lecture: "Mechanostereochemistry"*
748. **19–22 October 2008** October 2008 International Institute of Nano and Molecular Medicine Grand Opening/Columbia/MD  
*Lecture: "Mechanostereochemistry"*
749. **23–24 October 2008** William Smart Endowed Lectureship in Chemistry/University of West Florida/Pensacola/FL  
*General Lecture: "Mingling Art with Science"*  
*Scientific Presentation: "Chemistry and Molecular Nanotechnology in Tomorrow's World"*
750. **11–12 November 2008** The Watkins Lectures/Wichita State University/Wichita/KS  
*General Lecture: "Mingling Art with Science"*  
*Scientific Talk: "Chemistry and Molecular Nanotechnology in Tomorrow's World"*
751. **20 November 2008** International Institute of Nanotechnology/Grand Ballroom/Hotel Orrington/Evanston/IL  
*Presentation: "Mechanized Nanoparticles"*
752. **9–13 December 2008** SIMMposium in Honor of Roeland Nolte/Nijmegen/The Netherlands  
*Lecture: "Functionalized and Mechanized Nanoparticles"*
753. **16 December 2008** Supra-Nano 2008/University of Birmingham/UK  
*Invited Lecture: "Mechanized Nanoparticles"*
754. **22 January 2009** Northwestern Memorial Healthcare (NMHC) Board Meeting/Chicago/IL  
*Invited presentation: "Mechanized Nanoparticles"*
755. **25–27 February 2009** Armes Lectureship/University of Manitoba/Winnipeg/Canada  
*Technical Lecture: "Chemistry and Molecular Nanotechnology in Tomorrow's World"*  
*General Lecture: "Mingling Art with Science"*
756. **3 March 2009** Moses Gomberg Lecture Series/University of Michigan/Ann Arbor/MI  
*Named Lecture: "Chemistry and Molecular Nanotechnology in Tomorrow's World"*
757. **5–6 March 2009** 28<sup>th</sup> Donald G Davis Memorial Lectureship/University of New Orleans/LA  
*Named Lecture: "Chemistry and Molecular Nanotechnology in Tomorrow's World"*
758. **18–23 March 2009** Professor Alain Krief's Retirement Celebration University of Namur/Namur/Belgium  
*Presentation: "Chemistry and Molecular Nanotechnology in Tomorrow's World"*
759. **26–30 March 2009** Nanotech Insight 2009/Barcelona/Spain  
*Keynote Lecture: "Mechanostereochemistry"*

760. **28 June 2009** Gordon Research Conference on Chemistry of Supramolecules and Assemblies  
Colby College/Waterville/ME
761. **5 July 2009** *Invited Talk: "Mechanostereochemistry"*  
Gordon Research Conference on Photochemistry  
Bryant University/Providence/RI
762. **3 August 2009** *Plenary Lecture: "Mechanostereochemistry"*  
42<sup>nd</sup> IUPAC Congress on Chemistry Solutions/Glasgow/Scotland
763. **29–31 October 2009** *Invited Lecture: "Mechanostereochemistry"*  
Banff Symposium on Organic Chemistry
764. **3 November 2009**  
Argonne National Laboratory/Chemical Science and Engineering Division  
Chicago/IL
765. **19–20 November 2009** *Named Lecture: "Radically Enhanced Molecular Recognition"*  
2009 Chatt Lectureship/John Innes Center/Norwich/UK
766. **26–27 November 2009** *Invited Lecture: "Radically Enhanced Molecular Recognition"*  
Symposium in Honor of Jean-Pierre Sauvage/Strasbourg/France
767. **12 January 2010**  
Material Science and Engineering Department  
Northwestern University / Evanston / IL
768. **2 February 2010** *Research Colloquium: "Fashioning Functional Materials with Integrated Mechanostereochemical Systems"*  
CNSI Seminar Series/UCLA/CA  
Lecture: "Molecular Nanotechnology in Tomorrow's World"
769. **16 February 2010** *Lecture: "Fashioning Functional Materials with Integrated Mechanostereochemical Systems"*  
Distinguished Lecture Series/Molecular Foundry/LBNL/Berkeley/CA
770. **19 February 2010** *Lecture: "Fashioning Functional Materials with Integrated Mechanostereochemical Systems"*  
INTEL/Santa Clara/CA
771. **25–26 February 2010**  
Aggarwal Lectures in Polymer Science  
Cornell University/Ithaca/NY
772. **4–7 April 2010** *Lecture 1: "Polyrotaxanes"  
Lecture 2: "Polycatenanes"*  
Foundation Pierre-Gilles de Gennes for Research  
Montagne Saint-Genevieve/Paris/France
773. **27–28 April 2010** *Invited Lecture: "Molecular Nanotechnology in Tomorrow's World"*  
ISNSCE Award at FNANO 2010  
Snowbird/Utah
774. **17–21 May 2010** *Award Lecture: "Fashioning Functional Materials with Integrated Mechanostereochemical Systems"*  
Beilstein Bozen Symposium 2010 on Molecular Interactions and Systems Chemistry  
Hotel Schloss/Korb/Germany
775. **7 June 2010** *Invited Lecture: "Fashioning Functional Materials with Integrated Mechanostereochemical Systems"*  
GDCh Summer Term Lecture Series  
Humboldt University/Berlin/Germany
776. **10 June 2010** *Lecture: "Fashioning Functional Materials with Integrated Mechanostereochemical Systems"*  
International Symposium on Macrocyclic and Supramolecular Chemistry V (ISMSC 2010) Nara/Japan
777. **12 June 2010** *Invited Lecture: "Dynamic Stereochemistry"*  
Joint Symposium of Post 5<sup>th</sup> ISMSC and The 6<sup>th</sup> Symposium on Host-Guest Chemistry  
International House/Osaka/Japan
778. **14 June 2010** *Invited Lecture: "Kinetic and Thermodynamic Polycatenations"*  
Global COE International Symposium on Future Molecular Systems – Beyond Supramolecular Chemistry 2010  
INAMORI International Hall/Kyushu University/Fukuoka/Japan
779. **15 June 2010** *Invited Lecture: "Beyond Organic Reticulated Geometries"*  
International Symposium on Nano-Bio Molecular Assembly 2010  
Yonsei University / S Korea
780. **23 July 2010** *Invited Lecture: "Nanoporous Carbohydrate Frameworks"*  
Black Forest Focus on Soft Matter 4  
Freiburg Institute for Advanced Studies / Saig / Germany

- Invited Lecture: “Fashioning Functional Materials with Integrated Mechanostereochemical Systems”*
781. **6–9 August 2010** Royal Society of Edinburgh / Scotland  
*Award* : Royal Medal from Duke of Edinburgh
782. **11 August 2010** INANO–NCNST Summer School  
Sandbjerg Manor/Sonderborg/Denmark
- Invited Lecture: “Fashioning Functional Materials with Integrated Mechanostereochemical Systems”*
783. **22 August 2010** 2010 ACS Meeting POLY/PMSE Symposium Towards Self-Assembling Materials  
Boston/MA
- Invited Talk: “Polycatenation under Kinetic and Thermodynamic Control”*
784. **24–26 August 2010** Summer School on Nanotechnology – From Architecture to Function  
Villars/Montreux/Switzerland
- After Dinner Talk: “Mingling Art with Science”*
- Talk 1: “Fashioning Functional Materials with Integrated Mechanostereochemical Systems”*
- Talk 2: “Beyond Open Reticulated Geometries”*
- Talk 3: “Nanoporous Carbohydrate Frameworks”*
785. **31 August 2010** Seeing at the Nanoscale VIII  
Congress Center/Basel/Switzerland
- Keynote Lecture: “Fashioning Functional Materials with Integrated Mechanostereochemical Systems”*
786. **9–10 September 2010** Frontiers in Chemistry Lecture Series/ Case Western Reserve University  
Cleveland/OH
- Seminar: “Beyond Open Reticulated Geometries”*
787. **17–20 October 2010** Supramolecular Chemistry Quo Vadis  
Taormina / Sicily
- Invited Lecture : “Radically Enhanced Molecular Recognition”*
788. **10–12 November 2010** Samsung Technical Conference 2010  
Hotel Shilla / Seoul / Korea
- Keynote Speech : “An Integrated Mechanostereochemical Systems Approach to Molecular Electronics”*
789. **29–30 November 2010** Saudi International Nanotechnology Conference 2010  
KACST Headquarters / Riyadh / KSA
- Opening Lecture : “Molecular Nanotechnology in Tomorrow’s World”*
790. **1–2 December 2010** JSPS Second International Symposium on Molecular Nanotechnology  
Nara/Japan
- Plenary Lecture : “Fashioning Functional Materials with Integrated Mechanostereochemical Systems”*
791. **17–20 December 2010** PACIFICHEM  
Honolulu/Hawaii
- (1) 18 December : Molecular Based Ordered Materials Formed Through Self-Organisation
- Invited Talk : “Polycatenation under Kinetic and Thermodynamic Control”*
- (2) 19 December : Self-Assembly and Coordination Chemistry
- Invited Talk : “Edible MOFs in the Making”*
792. **26–27 January 2011** Chemistry Colloquium Speaker  
Pennsylvania State University/State College/PA
- Colloquium : “An Integrated Mechanostereochemical Systems Approach to Molecular Electronics”*
793. **27–28 January 2011** FENA Retreat  
Sycamore Mineral Springs Resort / Avila Beach / CA
- Presentation : “Functional Atomic / Molecular Materials”*
794. **31 January–2 February 2011** Symposium on Catalysis and Sensing for Health (CASH)  
Bath/UK
- Invited Lecture : “Nanoporous Carbohydrate Frameworks”*
795. **20 February 2011** AAAS 2011 Meeting – Symposium on Molecular Self-Assembly and Artificial Molecular Machines
- Invited Talk : “Fashioning Functional Materials with Integrated Mechanostereochemical Systems”*
796. **7–8 March 2011** CSACS Lecturer  
McGill University / Montreal / Canada
- Seminar : “Robust Dynamics in Metal-Organic Frameworks”*

797. **8–9 March 2011** CSACS Lecturer  
University of Sherbrooke / Canada  
*Seminar* : “**Robust Dynamics in Metal-Organic Frameworks**”
798. **10 March 2011** CSACS Lecturer  
INRS/Varenes / Canada  
*Seminar* : “**An Integrated Mechanostereochemical Approach to Molecular Electronics**”
799. **10–11 March 2011** Sigma Xi Colloquium  
University of Maine / Orono / ME  
*General Lecture* : “**Mingling Art with Science**”  
*Research Lecture* : “**Robust Dynamics in Metal-Organic Frameworks**”
800. **19–22 March 2011** Joint Vietnam – USA Symposium on the Chemistry of MOFs  
Sheraton Hotel / Ho Chi Minh City Vietnam  
*Invited Lecture* : “**Nanoporous Carbohydrate Metal-Organic Frameworks**”
801. **5 April 2011** Faculty Lunch Seminar / Department of Chemistry / NU  
*Seminar* : “**Radical Mechanostereochemistry**”
802. **26 April 2011** 2011 MRS Meeting / Symposium on Artificial Muscles  
San Francisco / CA  
*Invited Talk* : “**Fashioning Functional Materials with Integrated Mechanostereochemical Systems**”
803. **9 May 2011** FENA Annual Review  
Boston / MA  
*Presentation* : “**Functional Atomic and Molecular Materials**”
804. **16–17 May 2011** Cardiff Spring Conference 2011  
University of Cardiff / Wales  
*Plenary Lecture* : “**Nanoporous Carbohydrate Metal-Organic Frameworks**”
805. **26 May–2 June 2011** Symposium on Frontiers in Macromolecular and Supramolecular Science  
Dracula’s Country / Romania  
*Invited Lecture* : “**Nanoporous Carbohydrate Metal-Organic Frameworks**”
806. **2 June 2011** Frontiers in Biomimetic and Coordination Chemistry:  
A Symposium in Honor of Abraham Shanzer  
Weizmann Institute / Rehovot / Israel  
*Talk* : “**Nanoporous Carbohydrate Metal-Organic Frameworks**”
807. **24–26 June 2011** Foresight’s 25th Anniversary Conference Celebration and Reunion  
Weekend  
Google Mountain View Headquarters / Silicon Valley / CA  
*Talk* : “**Robust Dynamics in Integrated Chemical Systems**”
808. **26–30 June 2011** 2011 GRC on Physical Organic Chemistry  
Holderness School / NH  
*Invited Talk* : “**Structure and Mechanism in Radical Mechanostereochemistry**”
809. **1–2 July 2011** Second International Conference on Cucurbiturils (ICCB 2011)  
Cambridge / UK  
*Invited Lecture* : “**Mechanised Silica Nanoparticles: A New Frontier in Theranostic Medicine**”
810. **18–20 July 2011** Nanobiotechnology Series  
Stanford School of Medicine / Stanford / CA  
*Guest Lecture* : “**Mechanized Mesoporous Silica Nanoparticles as Potential Drug Delivery Systems**”
811. **24–28 July 2011** 2011 GRC on Clusters, Nanocrystals and Nanostructures  
Mount Holyoke College / South Hadley / MA  
*Invited Talk* : “**Molecular Switches on Nanoparticles**”
812. **30 July–7 August 2011** 43rd IUPAC World Chemistry Congress : 60 Years and 60 Carbons –  
A Symposium on Fullerenes and Supramolecular Chemistry in Honor  
of Luis Echegoyen (Angel Kaifer)  
San Juan / Puerto Rico  
*Invited Lecture* : “**Structure and Mechanism in Radical Mechanostereochemistry**”
813. **25–26 November 2011** International Symposium on Chemistry in the XXIst Century –  
Supramolecular?  
Royal Castle / Warsaw / Poland  
*Invited Lecture* : “**Structure and Mechanism in Radical Mechanostereochemistry**”
814. **6 January 2012** Philosophical Society of Washington – Spring 2012 Lecture Series  
Washington, DC  
*Invited Lecture* : “**The Beauty and Promise of Molecular Nanotechnology**”
815. **9 January 2012** Society for Analytical Chemists of Pittsburgh (SACP) and  
Spectroscopic Society of Pittsburgh (SSP)



- Pittsburgh / PA
816. *Invited Lecture* : “**Nanoporous Carbohydrate Metal-Organic Frameworks**”  
**24–26 January 2012** Seminar in the School of Chemical and Physical Sciences  
Victoria University / Wellington / NZ
817. *Seminar* : “**Structure and Mechanism in Radical Mechanostereochemistry**”  
**29 January–2 February 2012** ISMSC-7 2012  
University of Otago / Dunedin / NZ
818. *Public Lecture* : “**Mingling Art with Science**”  
**3–11 February 2012**  
(a) Department of Chemistry / National University of Singapore / Singapore  
*Seminar* : “**Structure and Mechanism in Radical Mechanostereochemistry**”  
(b) Nanyang Technological University / Singapore  
(i) *Public Lecture* : “**The Beauty and Promise of Molecular Nanotechnology**”  
(ii) *Graduate Inorganic Chemistry Course* (4 Hours)  
(iii) *Senior Undergraduate Course : Current Topics in Inorganic Chemistry* (3 Hours)  
(iv) *Senior Undergraduate Course : Current Topics in Organic Chemistry* (1 Hour)
819. **21 February 2012** College of Lake County / Vernon Hills / IL
820. *Invited Lecture* : “**The Beauty and Promise of Molecular Nanotechnology**”  
**22–24 February 2012** 2012 Bigeleisen Lecture  
State University of New York / Stony Brook / NY
821. *Named Lecture* : “**The Beauty and Promise of Molecular Nanotechnology**”  
**10–18 March 2012** RSC Chemical Nanoscience and Nanotechnology Meeting  
Newcastle University / Newcastle / UK
822. *Invited Lecture* : “**Nanoporous Carbohydrate Metal-Organic Frameworks**”  
**21–23 March 2012** Jones Lectureship in Department of Chemistry  
Queen’s University / Kingston / ON  
(i) *Public Lecture* : “**The Beauty and Promise of Molecular Nanotechnology**”  
(ii) *Jones Lecture* : “**Nanoporous Carbohydrate Metal-Organic Frameworks**”
823. **24–26 March 2012** 243<sup>rd</sup> ACS National Meeting : Symposium on “Chemistry of Materials”  
Honoring Ric Kaner
824. *Invited Talk* : “**Noncovalent Functionalization of Graphene Oxide Layers with Tetracationic Cyclophanes**”  
**23 April 2012** Intel URO Offsite Meeting / San Francisco / CA
825. *Invited Talk* : “**A Lifetime at the Academic Industrial Interface**”  
**6 May 2012** State Key Laboratory of Supramolecular Structure and Materials  
Changchun / China
826. *Invited Talk* : “**The Nature of the Mechanical Bond**”  
**4–7 May 2012** 16<sup>th</sup> International Cyclodextrin Symposium 2012  
Tianjin / China
827. *Plenary Lecture* : “**Nanoporous Carbohydrate Metal-Organic Frameworks**”  
**9–11 May 2012** MacLean Lectureship / Department of Chemistry & Chemical Biology  
McMaster University / Hamilton / ON
828. *MacLean Lecture* : “**Structure and Mechanism in Radical Mechanostereochemistry**”  
*Public Lecture* : “**The Beauty and Promise of Molecular Nanotechnology**”  
**25 May 2012** Northwestern University Library Board of Governors  
NU / Chicago Campus
829. *Invited Talk* : “**Mingling Art with Science**”  
**6–13 July 2012** Macro Group UK International Conference on Polymer Synthesis &  
UKPCF International Conference on Polymer Colloids  
Warwick / UK
830. *Plenary Lecture* : “**Positive Cooperativity in the Template-Directed Synthesis of Monodisperse Macromolecules**”  
**22 August 2012** PMSE Symposium on “Novel Organic and Metal–Organic Porous Materials”  
Philadelphia / PA : 244<sup>th</sup> National ACS Meeting
831. *Invited Lecture* : “**Stereochemical Expression of Molecular Recognition during the Formation of Extended Structures**”  
Division of Energy and Fuels Symposium on “Metal Organic Frameworks for Energy Applications”  
*Invited Lecture* : “**One-Dimensional Single-Crystalline Coordinated Carbohydrate Architectures**”  
**23 August 2012** Dow Chemical Company  
Springhouse / PA

- Seminar* : “**Introducing Host-Guest Chemistry and (Mechano)Stereochemistry into Nanoporous Carbohydrate Polymers**”  
 832. **26–30 August 2012** 4th European Chemical Societies (EuCheMS) Congress  
 Prague / Czech Republic
- Invited Lecture* : “**From Molecular Switches to Molecular Machines**”  
 833. **31 August–3 September** 9th International Conference on Advancing the Chemical Sciences :  
 Challenges in Nanoscience”  
 Xiamen / China
- Plenary Lecture* : “**Molecular Switches on Surfaces and in Devices**”  
 834. **15–20 September 2012** International Conference on Frontiers in Biomedical Nanotechnology  
 Riyadh / Saudi Arabia
- Plenary Lecture* : “**Mechanized Nanoparticles for the Treatment of Breast Cancer : Towards Low Dosage and Highly Targeted Drug Delivery**”  
 835. **30 Sept –3 Oct 2012** Lord Lectureship / Allegheny College  
 Meadville / PA
- Technical Seminar* : “**From Molecular Switches to Molecular Machines**”  
*Public Evening Lecture* : “**Mingling Art with Science**”  
 836. **24–28 October 2012** DYNAMOL : European Commission-Sponsored Research Training  
 Network  
 Symposium
- Invited Lecture* : “**Nanoporous Carbohydrate Polymers : Materials for Tomorrow’s World**”  
 837. **3–7 November 2012** General Talk to NYUAD Institute  
 NYU Abu Dhabi Institute / Abu Dhabi
- Talk* : “**Scientific Research on a Global Scale**”  
 838. **11–13 January 2013** Foresight Technical Conference : Session on Molecular Machines  
 and Non-Equilibrium Processes”  
 Crowne Plaza Hotel / Palo Alto / CA
- Lecture* : “**Autonomous Artificial Molecular Transport**”  
 839. **16–17 January 2013** Henry Dreyfus Chemistry Lectureship  
 Department of Chemistry/ Dartmouth College / NH
- General Lecture* : “**Mingling Art and Science**”  
*Technical Lecture* : “**New Twists and Turns in Radical Organic Chemistry**”  
 840. **3–5 February 2013** Departmental Seminar  
 Department of Chemistry / University of Miami / FL
- Students’ Choice Seminar* : “**New Twists and Turns in Radical Organic Chemistry**”  
 841. **14–15 February 2013** Cava Lectureship  
 University of Alabama / Tuscaloosa / AL
- General Lecture* : “**Mingling Art and Science**”  
*Technical Lecture* : “**Structure and Mechanism in Radical Mechanostereochemistry**”  
 842. **3–7 March 2013** Third International Conference on Multifunctional, Hybrid and  
 Nanomaterials  
 Sorrento / Italy
- Plenary Lecture* : “**From Molecular Switches to Molecular Machines**”  
 843. **19–21 April 2013** 11th Raymond Castle Research Conference  
 Department of Chemistry / University of South Florida / FL
- Plenary Lecture* : “**Mingling Art with Science**”  
 844. **26 April 2013** Wawzonek Lectureship  
 Department of Chemistry / University of Iowa / Iowa City / IA
- Lecture* : “**Chemistry and Molecular Nanotechnology in Tomorrow’s World**”  
 845. **28 April–2 May 2013** High Polymer Research Group (HPRG) Conference on  
 Supramolecular Self-Assembly  
 Pott Shrigley / Cheshire / UK
- Invited Lecture* : “**Making Stuff and Directing Things**”  
 846. **15–20 May 2013** International Symposium on “Templates in Chemistry –  
 Present and Future”  
 University of Bonn / Bonn / Germany
- Plenary Lecture* : “**Radical Temptation**”  
 847. **25–29 June 2013** Scotland Chemistry Tercentenary  
 University of Edinburgh / Edinburgh / Scotland
- Public Lecture* : “**Chemistry’s Place in Today’s World**”  
 848. **30 June–3 July 2013** International Conference on Materials and Advanced Technologies  
 (ICMAT 2013)  
 Singapore International Convention and Exhibition Centre / Singapore
- Plenary Lecture* : “**From Molecular Switches to Molecular Machines**”

849. **7–11 July 2013** International Symposium on Macrocyclic and Supramolecular Chemistry  
(ISMSC-8)  
Crystal City / Arlington / VA
- Plenary Lecture* : “**Artificial Molecular Motors**”
850. **31 August–5 September 2013** European Symposium on Organic Reactivity (ESOR 2013)  
Prague / Czech Republic
- Plenary Lecture* : “**New Twists and Turns in Radical Organic Chemistry**”
851. **9 September 2013** 246th ACS Meeting : Symposium on Supramolecular Nanomaterials (COLL Division)  
Indianapolis Convention Center / Indianapolis / IN
- Invited Lecture* : “**From Molecular Switches to Molecular Motors**”
852. **13 September 2013** 35th Princeton ACS Fall Organic Chemistry Symposium  
Princeton / NJ
- Seminar* : “**Three Tales of Serendipity**”
853. **10–18 October 2013** Birch Lectureship at Australian National University  
Canberra / Australia
- Public Lecture* : “**Mingling Art with Science**”
- Lecture 1* : “**New Twists and Turns in Radical Organic Chemistry**”
- Lecture 2* : “**Three Chemical Tales of Serendipity at Work in the Nano Foundry**”
854. **23–25 October 2013** 10th Anniversary Nanoscience Days  
University of Jyväskylä / Jyväskylä / Finland
- Special Anniversary Lecture* : “**Three Tales of Serendipity at Work in the Nano Foundry**”
855. **20–25 November 2013** Alfred Werner Symposium  
University of Zürich / Zürich / Switzerland
- Talk* : “**Second Sphere Coordination Revisited**”
856. **16–17 December 2013** RSC Macrocyclic and Supramolecular Conference (MASC 2013)  
School of Chemistry / University of Glasgow / Scotland
- Plenary Lecture* : “**Radical Macrocyclic and Supramolecular Chemistry**”
857. **12–17 January 2014** 27th International Carbohydrate Symposium (ICS27)  
Indian Institute of Science / Bangalore / India
- Plenary Lecture* : “**Extended Metal-Carbohydrate Frameworks**”
858. **15 January 2014** 2014 Centenary Lecture  
Indian Institute of Science / Bangalore / India
- Centenary Lecture* : “**Radical Mechanostereochemistry**”
859. **17–18 February 2014** William G Dauben Lectureship in Organic Chemistry  
UC Berkeley / CA
- Lecture* : “**Radical Mechanostereochemistry**”
860. **27 February 2014** Vista Lectureship  
UT Austin / TX
- Lecture* : “**Radical Mechanostereochemistry**”
861. **28 February–2 March 2014** Mardi Gras Symposium 2014: “The Exciting Side of Supramolecular Chemistry”  
Kendal Cram Hall / Lavin-Bernick Center / Tulane University  
New Orleans / LA
- Invited Lecture* : “**Three Tales of Serendipity**”
862. **16–20 March 2014** PMSE Symposium on “Dynamic Covalent Chemistry in Polymer Science”  
247th American Chemical Society Meeting  
Dallas / TX
- Talk* : “**Dynamic Naphthalene Diimide-Based Oligorotaxanes**”
863. **22–26 March 2014** Yukon Science Institute  
Lectures in Whitehorse and Dawson City / Yukon / Canada
- Lectures* : “**Making Gold Green**”
864. **Wednesday 16 April 2014** Science Café  
Firehouse Grill / Evanston / IL
- Talk* : “**Serendipity : Making Gold Green**”
865. **29–31 May 2014** 17th International Cyclodextrin Symposium (ICS17)  
Saarland University / Saarbrücken / Germany
- Keynote Lecture* : “**Extended Metal-Carbohydrate Frameworks**”
866. **1–5 June 2014** Gordon Research Conference on Crystal Engineering  
Waterville Valley Resort / Waterville Valley / NH
- Talk* : “**Three Tales of Serendipity**”

867. **7–11 June 2014** 9th International Symposium on Macrocyclic and Supramolecular Chemistry  
(9ISMSC) Conference Center / SIOC / Shanghai / China
868. **29–4 July 2014** **Plenary Lecture : “Extended Metal-Carbohydrate Frameworks”**  
Workshop on Molecular Rotors, Motors, and Switches  
Telluride Science Research Center (TRSC) / Telluride / CO
869. **10–14 August 2014** **Invited Lecture : “From Molecular Switches to Molecular Motors”**  
248th American Chemical Society Meeting  
San Francisco / CA
- (i) Two-Day COLL Symposium on “Supramolecular Nanoparticles” (Vince Rotello)  
**Talk : “Development of Supramolecular Nano-Gating on Mesoporous Silica for In Vivo Therapeutic Applications”**
- (ii) PMSE Symposium on “Functional Supramolecular Polymers” (Stuart Rowan)  
**Talk : “Controlled  $\pi$ - $\pi$  Assemblies by Dynamic Covalent Chemistry”**
- (iii) PMSE 2014 National Fresenius Award Symposium in Honor of Will Dichtel (Stuart Rowan)  
**Talk : “Artificial Molecular Motors”**
- (iv) ENFL Session on “Metal-Organic Frameworks for Sustainable Energy” (Omar Farha)  
**Talk : “Extended Metal-Carbohydrate Frameworks”**
870. **25–30 September 2014** 7th PKU–Eli Lilly Symposium of Organic Chemistry  
Peking University / China
871. **2–11 November 2014** **Invited Lecture : “Artificial Molecular Motors”**  
RSC Workshop Event  
Delhi / Hyderabad / Chennai / India
- Three Plenary Lectures : “The Nature of the Mechanical Bond”**  
**Three Schools Lectures : “Mingling Art with Science”**
872. **20 November 2014** Alan G. MacDiarmid Medal  
University of Pennsylvania / Philadelphia / PA
873. **26–30 November 2014** **Lecture : “The Nature of the Mechanical Bond”**  
IRTG Symposium  
CeNTech Münster / Germany
874. **1–4 December 2014** **Invited Lecture : “The Nature of the Mechanical Bond”**  
3rd Saudi International Nanotechnology Conference  
KACST / Riyadh / KSA
875. **24–29 January 2015** **Invited Lecture : “Extended Nanoporous Carbohydrate Frameworks”**  
Bordeaux 2015 Symposium on Foldamers  
Bordeaux / France
876. **1–13 February 2015** **Plenary Lecture : “Viologen-Based Foldamers”**  
RSC Centenary Lectures  
London–Nottingham–Reading–Leeds / UK
- (i) **4 February 2015** RSC Southeast Regional Meeting Organic Division  
Imperial College London :
- Centenary Lecture : “The Nature of the Mechanical Bond”**
- (ii) **6 February 2015** Department of Chemistry  
Nottingham University
- Centenary Lecture : “The Nature of the Mechanical Bond”**
- (iii) **9 February 2015** RSC Centenary Lecture Symposium  
Reading University
- Centenary Lecture : “The Nature of the Mechanical Bond”**
- (iv) **11 February 2015** Department of Chemistry  
Leeds University
- Centenary Lecture : “The Nature of the Mechanical Bond”**
877. **22 March 2015** 249th ACS National Meeting / POLY Division Symposium on  
“Next Generation Smart Materials” (One Day Only)  
Denver / CO
878. **7–12 June 2015** **Invited Lecture : “Tunable Solid-State Fluorescent Materials for Supramolecular Encryption”**  
GRC on “Artificial Molecular Switches and Motors”  
Stonehill College / Easton / MA
879. **3–5 July 2015** **Invited Lecture : “Artificial Molecular Machines and Switches”**  
50th Anniversary of the Lehn Laboratory  
Strasbourg / France
880. **6–9 July 2015** **Invited Lecture : “From Supramolecular to Emergent and Integrated Systems Chemistry”**  
CALIX 2015  
Taormina / Sicily / Italy
- Plenary Lecture : “ExBox and ExCage”**

881. **31 July 2015** Institute Program  
Institute of Chemistry / Chinese Academy of Sciences / Beijing /  
China
882. **16 August 2015** *Molecular Science Frontier Lecture* : “**The Nature of the Mechanical Bond**”  
Mark Scholar Award in Honor of Stuart Rowan / POLY DIV  
Boston / MA : 250th ACS National Meeting
883. **25 September 2015** *Invited Lecture* : “**A New Approach for Constructing Two-Dimensional Monolayers**”  
Departmental Program  
Peking University / Beijing / China
884. **22 November 2015** *Xinda Forum* : “**The Nature of the Mechanical Bond**”  
Departmental Program  
St Andrews / Dundee / Scotland
885. **15–20 December 2015** *Invited Lecture* : “**The Nature of the Mechanical Bond**”  
PACIFICHEM 2015 / Honolulu / HI  
(i) Symposium on “Practical Applications of Basic Research on Molecular Recognition”  
(Tran / Kano / Easton)  
*Talk* : “**Tunable Solid State Fluorescent Materials for Supramolecular Encryption**”  
(ii) Symposium on “Frontiers of Organic Porous Materials”  
(Jang / Wang / Zhang)  
*Talk* : “**Separation Science with Cyclodextrin Metal-Organic Frameworks**”  
(iii) Symposium on “Organic Solid-State Chemistry, Properties, and Reactivity”  
(Sakamoto / MacGillivray Vittal)  
*Talk* : “**The Solid State Properties of CBPQT<sup>4+</sup>, CBPQT<sup>2(+)</sup>, CBPQT<sup>0</sup> and Catenanes Containing these Different Redox States of CBPQT<sup>4+</sup>**”
886. **23–25 January 2016** Scottish Supramolecular Symposium  
UT Austin / Austin / TX
887. **14–17 March 2016** *Invited Lecture* : “**To a Tale or Two of Serendipity**”  
251st ACS National Meeting on “Supramolecular Chemistry :  
A Crown and Anchor Approach”  
San Diego / CA
888. **20–24 March 2016** *Invited Lecture* : “**Cation Dependent Gold Recovery with  $\alpha$ -Cyclodextrin facilitated by Second-Sphere Coordination**”  
“Frontiers in Chemical Research Lecture Series”  
Texas A&M University / College Station / TX  
*Three Invited Lectures in the Department of Chemistry under the theme* : “Emergent and Integrated Systems Chemistry”  
*Talk 1* “**The Nature of the Mechanical Bond**”  
*Talk 2* “**Design and Synthesis of Non-Equilibrium Systems**”  
*Talk 3* “**Three Tales of Serendipity**”
889. **20 April 2016** Opening Event of the Nanoscale and Microscale Research Centre (NMRC)  
University of Nottingham / UK
890. **21–22 April 2016** *Invited Talk* : “**The Nature of the Mechanical Bond**”  
2016 Douglas G Hill Memorial Lecture  
Department of Chemistry / Duke University / Durham / NC
891. **1–4 May 2016** *Lecture* : “**The Nature of the Mechanical Bond**”  
DOE BES 2016 BRN Workshop for “Synthesis Science for Energy Relevant Technology”  
Rockville Hilton / MD
892. **20–24 June 2016** *Short Talk* : “**Non-Equilibrium Systems**”  
The Durham Lectures 2016  
University of Durham / Durham / UK
893. **29 June – 1 July 2016** *Lecture 1* “**The Nature of the Mechanical Bond**”  
*Lecture 2* “**Cooperative Capture in Rotaxane Synthesis**”  
*Lecture 3* “**Serendipity at Work**”  
Third International Symposium on Micro- and Nanomachines  
Herrenhausen Palace / Hannover / Germany
894. **10–16 July 2016** *Keynote Talk* : “**Design and Synthesis of Non-Equilibrium Systems**”  
ISMSC 2016  
The K-Hotel Seoul / Korea
895. **17–23 July 2016** *Plenary Lecture* : “**Artificial Molecular Pumps**”  
Workshop on “Molecular Rotors, Machines and Switches”  
Telluride / CO

896. *Talk* : “**The Nature of the Mechanical Bond: From Molecules to Machines**”  
**26 July 2016** 5th International Conference on “Molecular Sensors and Molecular Logic Gates” (MSMLG 2016)  
University of Bath / Bath / UK
897. *Conceptual Lecture* : “**Serendipity at Work**”  
**26–29 July 2016** GRC Conference on “Stereochemistry”  
Salve Regina / Newport / RI
898. *Invited Lecture* : “**Stereochemistry of the Mechanical Bond**”  
**2–5 August 2016** INASCON 2016. International Nanoscience Student Conference  
Enschede / The Netherlands
899. *Keynote Lecture* : “**Serendipity at Work**”  
**21–25 August 2016** 252nd American Chemical Society Meeting : Division of Polymer Chemistry :  
“A Materials Genomic Approach to Materials Structure and Function”  
Philadelphia / PA
900. *Invited Lecture* : “**Making Sliding Ring Polymers Using a Dual Molecular Pump**”  
**25–26 October 2016** 4th Saudi International Nanotechnology Conference / SINC 2016  
KFUMP / Dhahran Campus
901. *Invited Lecture* : “**The Nature of the Mechanical Bond : From Molecules to Machines**”  
**31 October 2016** Royal Society of Chemistry Carbohydrate Group Meeting :  
Haworth Memorial Lecture  
University of Warwick / UK
902. *Haworth Memorial Lecture* : “**Serendipity at Work**”  
**1 November 2016** Special Nobel Lecture  
School of Chemistry / The University of Birmingham
903. *Special Lecture* : “**The Nature of the Mechanical Bond : From Molecules to Machines**”  
**10 November 2016** 2016 Ulliyot Public Affairs Lecture  
Chemical Heritage Foundation  
Philadelphia / PA
904. *Public Lecture* : “**Mingling Art with Science**”  
**11 November 2016** Symposium in Honor of Andrew Hamilton  
New York University / New York / NY
905. *Invited Lecture* : “**The Nature of the Mechanical Bond : From Molecules to Machines**”  
**8 December 2016** Nobel Committee for Chemistry  
Royal Swedish Academy of Sciences  
Stockholm / Sweden
- Bond”**  
906. *Nobel Lecture* : “**Design and Synthesis of Molecular Machines Based on the Mechanical**  
**9 December 2016** Meeting with High School Students  
Bromvac Gymnasium / Stockholm / Sweden
907. *Lecture* : “**Introducing a New Bond in Chemistry : The Mechanical Bond**”  
**9 December 2016** Meeting with High School Students  
Rålambshovsskolan / Stockholm / Sweden
908. *Lecture* : “**Introducing a New Bond in Chemistry : The Mechanical Bond**”  
**13 December 2016** Department of Chemistry  
Uppsala University  
Uppsala / Sweden
- Bond”**  
909. *Invited Lecture* : “**Design and Synthesis of Molecular Machines based on the Mechanical**  
**14 December 2015** Chalmers University of Technology & Gothenburg University  
Gothenburg / Sweden
- Bond”**  
910. *Invited Lecture* : “**Design and Synthesis of Molecular Machines based on the Mechanical**  
**15 December 2016** Erskine Stewart’s Melville Schools  
Edinburgh / Scotland / UK
911. *Talk* : “**Reflections on Meeting the Queen of Scotland and the King of Sweden**”  
**15 December 2016** MASC 2016 University of Edinburgh  
Edinburgh / Scotland / UK
912. *Plenary Lecture* : “**A Look at Life Before and After the Age of 64**”  
**16 December 2016** Swan Lecture Theatre / King’s Buildings  
University of Edinburgh / Scotland / UK
- Bond”**  
*Invited Lecture* : “**Design and Synthesis of Molecular Machines Based on the Mechanical**

913. **17–21 January 2017** Great Hall of the People / Beijing / China : National Government –  
Foreign Experts Symposium  
*SAFEA Speech : “The Creation and Exploration of Possible Other Worlds”*
914. **20–26 February 2017** Peiyang Symposium and International Symposium on  
Visionary Trends in Molecular Science  
Tianjin University / Tianjin / China  
*Symposium Lecture : “The Rise and Promise of the Mechanical Bond in Chemistry and  
Beyond”*  
*Presentation to Undergraduate and High School Students : “Reflections on Meeting the Queen of  
England  
and the King of Sweden”*
915. **28 February 2017** East China University of Science and Technology (ECUST) /  
Shanghai / China :  
Presentation
916. **1 March 2017** *Seminar : “Probing Ways of Getting Molecular Machines to (Do) Work”*  
University / Shanghai / China : Wu Zhengkai Lectureship
917. **2 March 2017** *Lecture : “Materials Beyond Cyclodextrins. A Double Round of Serendipity”*  
China Normal University (ECNU) / Shanghai / China : Presentation
918. **6 March 2017** *Seminar : “The Rise and Promise of the Mechanical Bond in Chemistry and Beyond”*  
Strasbourg / France : Nobel Day in Strasbourg
919. **7 March 2017** *Seminar : “The Rise and Promise of the Mechanical Bond in Chemistry and Beyond”*  
French Academy of Sciences / Institut de France / Quai Conti / Paris :  
Presentation on Molecular Machines
920. **14 March 2017** *Seminar : “Probing Ways of Getting Molecular Machines to (Do) Work”*  
University of Sheffield / Sheffield / UK : Public Lecture incorporating the Krebs Lecture  
*Public / Krebs Lecture : “The Mechanical Bond : Mingling Art with Science”*
921. **28–30 March 2017** Munich / Germany : Wacker Biosolutions Annual Meeting  
*Presentation : “Materials Beyond Cyclodextrins : Emergence Opens Up a Whole New World”*
922. **31 March 2017** / UC Berkeley / CA : Forum on Materials Beyond IV  
*Presentation : “Materials Beyond Cyclodextrins : A Double Round of Serendipity”*
923. **4–5 April 2017** San Francisco / CA : 253rd American Chemical Society National  
Meeting :  
Division of Polymer Chemistry : “Smart Molecules and Materials from  
Cyclodextrins”
914. **11–13 April 2017** *Invited Lecture : “Concurrent Covalent and Supramolecular Polymerization”*  
University of Warwick / UK : Faraday Conference  
*General Public Lecture : “The Mechanical Bond : Mingling Art with Science”*
925. **2–3 May 2017** KACST / Riyadh / Kingdom of Saudi Arabia : Workshop  
*Lecture 1 : “The Rise and Promise of Molecular Machines Based on the Mechanical Bond”*  
*Lecture 2 : “Materials Beyond Cyclodextrins : Emergence Opens Up a Whole New World”*
926. **5 May 2017** Royal Sonesta Hotel / Cambridge / MA : 6th Advances in Chemical  
Sciences  
Symposium
927. **7–9 May 2017** *Keynote Lecture : “The Rise and Promise of the Mechanical Bond in Chemistry and Beyond”*  
Zhejiang University / Shanghai / China : Zhu Kezhan Distinguished  
Lectures  
*General Lecture : “The Mechanical Bond : Mingling Art with Science”*  
*Second Lecture : “Materials Beyond Cyclodextrins : Emergence Opens Up a Whole New  
World”*
928. **10 May 2017** Chengdu / China : 2017 Chengdu Global Innovation and  
Entrepreneurship Fair  
*Keynote Speech : “The Road to Stockholm and Beyond”*  
*Keynote Speech : “Serendipity Strikes Twice : Emergence Opens up a Whole New World of  
Wonders”*
929. **11 May 2017** Sichuan University / Chengdu / China : Chemistry Department  
Lecture  
*Lecture : “The Mechanical Bond : Mingling Art with Science”*
930. **12 May 2017** NICE / Beijing / China : 2017 International Forum on Clean Energy  
Technology  
and Engineering Management  
*Lecture : “Going for Gold”*

931. **13 May 2017** Peking University / Beijing / China : SAFEA Award Ceremony :  
International  
Teacher of the Year
932. **15 May 2017** Canadian Academy / Rokko Island / Kobe / Japan : High School  
*Keynote Lecture* : “**The Road to Stockholm and Beyond**”  
*Talk* : “**The Mechanical Bond : Mingling Art with Science**”
933. **16 May 2017** Kobe / Japan : Kobe Women’s Club  
*Talk* : “**The Mechanical Bond : The Road to Stockholm**”
934. **20–21 May 2017** 2017 Gordon Research Seminar on “Self-Assembly and  
Supramolecular  
Chemistry” with the subtitle, “Kinetic and Thermodynamic  
Understanding of  
Applied Supramolecular Systems”  
Les Diablerets / Switzerland
- World”** *Keynote Lecture* : “**Materials Beyond Cyclodextrins : Emergence Opens Up a Whole New**
935. **24 May 2017** Slivka Fireside Chat  
Northwestern / Evanston
936. **26–29 May 2017** 2017 American Crystallographic Association (ACA) Meeting  
Orleans / LA  
*Opening Ceremony Lecture* : “**How Crystallography Helped to Create a New Bond in**
- Chemistry”**
937. **6 June 2017** Hong Kong Baptist University  
Hong Kong / China
938. **7 June 2017** *Invited Lecture* : “**The Nature of the Mechanical Bond : Mingling Art with Science**”  
Sun Yat-Sen University  
Shenzhen / China
- Invited Lecture* : “**Serendipity Strikes Twice : Emergence Opens Up a Whole New World of**
- Wonders”**
939. **11–16 June 2017** Gordon Research Conference on “Artificial Molecular Switches and  
Machines”  
Holderness School / Holderness / NH
940. **18–23 June 2017** *Invited Lecture* : “**Probing Ways of Getting Molecular Machines to (Do) Work**”  
9th International Symposium on Materials and Advanced  
Technologies  
(ICMAT 2017)  
Pan Pacific Hotel / Singapore
941. **19 June 2017** *Plenary Lecture* : “**Materials Beyond Cyclodextrins : A Double Round of Serendipity**”  
*Nobel Laureate Public Lecture* : “**The Mechanical Bond : Mingling Art with Science**”  
Nanyang Chemistry Distinguished Lectureship  
Nanyang Technical University / Singapore
942. **27 June 2017** *Lecture* : “**The Rise and Potential of the Mechanical Bond in Chemistry and Beyond**”  
University of Nottingham / UK : Seminar on Serendipity
943. **9–14 July 2017** *Talk* : “**Serendipity Strikes Twice : Emergence Opens Up a Whole New World of Wonders**”  
Sao Paulo / Brazil : 46th IUPAC World Chemistry Congress (IUPAC-  
2017)
- Special Plenary Lecture* : “**The Rise and Promise of the Mechanical Bond in Chemistry and**
- Beyond”**
944. **20–23 July 2017** 2017 Graduate Research Symposium  
Portland State University / Portland / OR  
*45 Minute Seminar* : “**The Rise and Promise of the Mechanical Bond in Chemistry and**
- Beyond”**
945. **24 July 2017** Portland State Women in STEM Group  
Portland State University / Portland / OR  
*Lecture* : “**Materials Beyond Cyclodextrins : Emergence Opens up a Whole New World of**
- Wonders”**
946. **25–28 July 2017** 17th IEEE International Conference on Nanotechnology (IEEE–  
NANO 2017)  
Pittsburgh Marriott City Center / Pittsburgh / PA
947. **20–22 August 2017** *Plenary Talk* : “**A Case History in Designing and Constructing Artificial Molecular Machines**”  
254th American Chemical Society National Meeting :  
Tetrahedron Symposium in Honor of Ben Feringa  
Washington / DC



948. *Invited Lecture* : **“The Rise and Promise of the Mechanical Bond in Chemistry and Beyond”**  
**9 September 2017** Scottish Innovation Award / Baird of Bute Society  
 Rothesay / Bute / Scotland
949. *Invited Talk* : **“My Road to Stockholm”**  
**23–27 September 2017** International Conference on Chemistry Progress for Sustainable  
 Development / Bibliotheca Alexandrina / Alexandria / Egypt
- World”**  
*Invited Lecture* : **“Materials Beyond Cyclodextrins : Emergence Opens Up a Whole New  
 Researchers**  
*Invited Lecture* : **“A Global Strategy for Conducting Research and Mentoring Young  
 in the 21st Century”**
950. **30 September 2017** Chicago Organic Symposium / University of Illinois at Chicago  
*Keynote Lecture* : **“The Rise and Promise of the Mechanical Bond in Chemistry and Beyond”**
951. **9 October 2017** Engineering Scotland Autumn Lecture  
 University of Glasgow / Glasgow / Scotland  
*Invited Lecture* : **“The Rise and Promise of the Mechanical Bond in Chemistry and Beyond”**
952. **21 October 2017** Celebrating the 60th Anniversary of ECUST  
 ECUST / Shanghai / China  
*Keynote Lecture* : **“The Rise and Promise of Molecular Machines Based on the Mechanical  
 Bond”**
953. **24 October 2017** Organic Letters / Journal of Organic Chemistry Two-Day Symposium  
 sponsored by ACS on “Innovation in Molecular Synthesis”  
 Shanghai  
*Lecture* : **“The Design and Synthesis of Artificial Molecular Machines”**
954. **25 October 2017** Tsinghua Xuetang Lecture  
 Tsinghua University / Beijing / China  
*Lecture* : **“My Journey to Stockholm”**
955. **26 October 2017** Understanding Science Beijing  
 Science Café / Beijing / China  
*Lecture* : **“My Journey to Stockholm”**  
*Informal Talk* : **“Meet a Nobel Knight and a Tsinghua Adventurer Face-to-Face”**
956. **29 October 2017** Future Forum Annual Conference  
 China World Hotel / Beijing / China  
*Lecture* : **“My Journey to Stockholm”**
957. **3 November 2017** Highlands in Chemistry Lecture Series, The Friends of Larry Taylor  
 Lectureship  
 Virginia Tech / Blacksburg / VA  
*Lecture* : **“The Rise and Promise of Molecular Machines Based on the Mechanical Bond”**
958. **5–8 November 2017** ACS Asia-Pacific International Chapters Conference  
 Jeju / South Korea  
*Plenary Lecture* : **“My Journey to Stockholm”**
959. **13 November 2017** Netherlands Award for Supramolecular Chemistry  
 Technical University of Eindhoven / The Netherlands:  
*Invited Lecture* : **“The Rise and Promise of the Mechanical Bond in Chemistry and Beyond”**
960. **14 November 2017** Netherlands Award for Supramolecular Chemistry  
**Technical University of Eindhoven / The Netherlands:**  
*Invited Lecture* : **“My Journey to Stockholm”**
961. **15 November 2017** Netherlands Award for Supramolecular Chemistry  
 Radboud University Nijmegen / Nijmegen / The Netherlands:  
*Invited Lecture* : **“The Rise and Promise of the Mechanical Bond in Chemistry and Beyond”**
962. **16 November 2017** Netherlands Award for Supramolecular Chemistry  
 University of Twente / Enschede / The Netherlands  
*Invited Lecture* : **“Materials Beyond Cyclodextrins as We Know Them : Emergence Opens up  
 a Whole New World of Wonders”**
963. **17 November 2017** Netherlands Award for Supramolecular Chemistry  
 Wageningen University / The Netherlands  
*Lecture* : **“The Rise and Promise of the Mechanical Bond in Chemistry and Beyond”**
964. **20 November 2017** Molecular Machines Nobel Prize Conference  
 University of Groningen / The Netherlands :  
*Plenary Lecture* : **“Emergent Applications in NanoScience and Supramolecular Chemistry”**
965. **28 November – 2 December 2017** Hong Kong Baptist University / Hong Kong / China : General  
 Lecture

966. *Public Lecture* : “**My Journey to Stockholm**”  
**1 December 2017**      Symposium on Nanomachines : Powering Molecules  
 Hong Kong Baptist University / Hong Kong / China : General Lecture
967. *Keynote Lecture* : “**The Rise and Promise of Artificial Molecular Machines**”  
**5 December 2017**      University of Sharjah / Sharjah / UAE : Public Presentations in front of  
 the Ruler  
*Lecture* : “**My Journey to Stockholm**”  
*Lecture* : “**Emergent Applications in NanoScience and Supramolecular Chemistry**”  
 968. **10 December 2017**      Alexander von Humboldt Foundation International Advisory Board  
 Berlin / Germany
969. *Dinner Speech* : “**Trust in Science and Scholarship**”  
**12 December 2017**      Technische Universität Institute of Chemistry  
 Berlin / Germany
970. *Seminar* : “**The Rise and Promise of Molecular Machines Based on the Mechanical Bond**”  
**18–20 December 2017**      Galileo School of Higher Education : Galileo Lecture  
 University of Padova / Italy :
971. *Lectio Magistralis* : “**My Journey to Stockholm**”  
**19 December 2017**      Department of Chemical Sciences  
 University of Padova / Italy
972. *Lecture* : “**The Rise and Promise of Molecular Machines Based on the Mechanical Bond**”  
**16–18 January 2018**      Global Frontiers in Science and Technology Program for Chinese  
 Business Leaders  
 Stanford University / Palo Alto / CA
973. *Presentation* : “**The Power of Serendipity in Producing Emergent NanoSystems with  
 Profound Nanotechnological Implications**”  
**21–25 January 2018**      Sixth Global Young Scientists Summit (GYSS 2018)  
 National Research Foundation / Singapore
974. *Masterclass* : “**My Journey to Stockholm**”  
*Small Group Presentation* : “**The Rise and Promise of Artificial Molecular Machines Based on  
 the Mechanical Bond**”  
*Plenary Lecture* : “**Going for Gold**”  
**23 January 2018**      Public Lecture  
 National University of Singapore / Singapore
975. *Lecture* : “**My Journey to Stockholm**”  
**28–31 January 2018**      International Conference on Nanoscience and Nanotechnology  
 University of Wollongong / Australia
976. *Public Lecture* : “**My Journey to Stockholm**”  
*Plenary Lecture* : “**The Rise and Promise of Artificial Molecular Machines Based on the  
 Mechanical Bond**”  
**1 February 2018**      Centennial Lectureship  
 University of Texas / El Paso / TX
977. *Centennial Lecture* : “**My Journey to Stockholm**”  
**5 February 2018**      Chemistry Department’s Student-Invited Seminar Committee  
 Colorado School of Mines / Golden / CO
978. *Seminar* : “**Materials Beyond Cyclodextrins : Emergence Opens Up a Whole New World of  
 Wonders**”  
**6–10 February 2018**      Pure and Applied Chemistry International Conference 2018  
 (PACCON 2018) :  
 Chemistry Towards a Sustainable Future  
 Hat Yai / Songkhla / Thailand
979. *Plenary Lecture* : “**Materials Beyond Cyclodextrins : Emergence Opens Up a Whole New  
 World of Wonders**”  
**9 February 2018**      Prince of Songhla University  
 Hat Yai / Songhla / Thailand
980. *Lecture* : “**My Journey to Stockholm**”  
**9 February 2018**      Chulalongkorn University  
 Bangkok / Thailand
981. *Lecture* : “**The Rise and Promise of Artificial Molecular Machines Based on the Mechanical  
 Bond**”  
**12 February 2018**      Faculty of Science  
 Mahidol University / Bangkok / Thailand
982. *Lecture* : “**My Journey to Stockholm**”  
**13–16 February 2018**      10th Anniversary of TAMU in Qatar and QAFCD Symposium  
 Doha / Qatar

983. *Keynote Lecture* : “**My Journey to Stockholm**”  
**11–15 March 2018** 10th HOPE Meeting  
 Yokohama / Tokyo / Japan
984. *Esteemed Lecture* : “**The Rise and Promise of Artificial Molecular Machines Based on the Mechanical Bond**”  
**16 March 2018** Special Lecture  
 University of Tokyo / Tokyo / Japan
985. *Lecture* : “**My Journey to Stockholm**”  
**19–23 March 2018** Apeloig Lecture  
 Technion / Israel Institute of Technology / Haifa / Israel
986. *Lecture* : “**The Rise and Promise of Artificial Molecular Machines Based on the Mechanical Bond**”  
**3 April 2018** Supporting the Next Generation of Scientists / First Warwick  
 Postdoctoral  
 Science Symposium  
 Department of Chemistry / University of Warwick / UK
987. *Keynote Lecture* : “**My Journey to Stockholm**”  
**4–6 April 2018** Royal Netherlands Chemical Society, Organic Division, Wageningen  
 International Symposium  
 Wageningen / The Netherlands
988. *Lecture* : “**Materials Beyond Cyclodextrins : Emergence Opens Up a Whole New World of Wonders**”  
**12–14 April 2018** Inaugural Walter A Szarek Lecture  
 Queen’s University / Kingston / Ontario / Canada
989. *Lecture* : “**Materials Beyond Cyclodextrins : Emergence Opens Up a Whole New World of Wonders**”  
**15 April 2018** Chicago Area Undergraduate Research Symposium (CAURS)  
 DePaul University / Chicago
990. *Lecture* : “**My Journey to Stockholm**”  
**22–24 April 2018** President’s Lecture Series  
 University of Montana / Missoula / MT
991. *Seminar* : “**The Rise and Promise of the Mechanical Bond in Chemistry and Beyond**”  
**10 May 2018** *Lecture* : “**Mingling Art with Science**”  
 Science Museum Annual Dinner  
 Science Museum / South Kensington / London / UK
992. *Speech* : “**Engines Through the Ages**”  
**14–18 May 2018** Universidad Autonoma Madrid / Spain
993. *Lecture* : “**The Rise and Promise of Artificial Molecular Machines Based on the Mechanical Bond**”  
**19–22 May 2018** Sir Jesse Boot Foundation Lectureship  
 Department of Chemistry / University of Nottingham / UK
994. *Lecture* : “**Serendipity Stokes Discovery : Disrupting Established Industries**”  
**30 May 2018** Wolf Prize Symposium  
 Technion / Israel Institute of Technology / Haifa / Israel :
995. *Lecture* : “**Materials Beyond Cyclodextrins : Emergence Opens Up a Whole New World of Wonders**”  
**3–7 June 2018** Grand Challenges in the Chemical Sciences  
 Israel Academy of Sciences and Humanities / Jerusalem / Israel :
996. *Lecture* : “**The Rise and Promise of Artificial Molecular Machines Based on the Mechanical Bond**”  
**9–12 June 2018**ACHEMA – World Forum for Processing Industries  
 Frankfurt / Germany
997. *Opening Ceremony Plenary Lecture* : “**Serendipity Stokes Discovery : Disrupting Established Industries**”  
**16–18 June 2018** Panel Discussions in Asia Pacific Region : Wiley Impact Forums  
 Seoul / South Korea
998. *Presentation* : “**Transformative Research : Doing Your Own Thing**”  
**19 June 2018** Top Talk  
 Tsinghua University / Beijing / China
999. *Talk* : “**Serendipity Stokes Discovery : Disrupting Established Industries**”  
**20 June 2018** Yang Shixian Forum  
 Nankai University / Tianjin / China
- Named Lecture* : “**The Rise and Promise of Artificial Molecular Machines Based on the Mechanical Bond**”

1000. **26–30 June 2018** 3rd Telluride Conference on Molecular Rotors, Motors and Switches  
Telluride / CO  
*Town Talk* : “**Engines Through the Ages**”  
*Invited Lecture* : “**Making Mechanical Bonds with Electricity**”
1001. **8–13 July 2018** 13th International Symposium on Macrocyclic and Supramolecular  
Chemistry (ISMSC-2018)  
Québec City / Québec / Canada  
*Nobel Lecture* : “**Life After a Nobel Prize**”
1002. **14–18 July 2018** Merck 350 Anniversary Scientific Conference / Curious 2018 Future  
Insight  
Frankfurt / Germany  
*Keynote Lecture* : “**The Rise and Promise of Artificial Molecular Machines Based on the  
Mechanical Bond**”
1003. **3–5 August 2018**  
**Northwestern University / Evanston IL** : 10th Anniversary of the Dichtel Group  
*Presentation* : “**Engines Through the Ages**”
1004. **6–10 August 2018** International Nanoscale Student Conference (INASCON 2018)  
Norwegian University of Science and Technology / Trondheim /  
Norway  
*Lecture* : “**Life After a Nobel Prize**”
1005. **12–17 August 2018** Howard Nobel Lectureship  
University of New South Wales / Sydney / Australia  
*Named Lecture* : “**Engines Through the Ages**”  
*First-Year Undergraduate Lecture* : “**My Journey to Stockholm**”  
*Public Lecture* : “**Mingling Art with Science**”
1006. **19–23 August 2018** Nanoscience, Nanotechnology and Beyond  
ACS Meeting / Boston / MA  
*Presentation to ACS Board of Directors* : “**Research Experience Through Innovation : Doing  
Your Own Thing**”  
Patterson-Crane Award Symposium / Multidisciplinary Program Group (Award to Paul Weiss /  
ULCA)  
*Invited Lecture* : “**Treating Molecular Nanotechnology to Show and Tell**”  
Materials Genome Approach to Structure and Function / Division of Polymer Chemistry  
*Invited Lecture* : “**Harnessing Artificial Molecular Machines in Slide-Ring Polymer Synthesis**”
1007. **1–5 September 2018** 2018 Makhlouf Haddadin Lectureship / Department of Chemistry  
American University of Beirut / Beirut / Lebanon  
*Research Talk* : “**The Rise and Promise of Artificial Molecular Machines Based on the  
Mechanical Bond**”  
*Mentoring Talk* : “**Research Excellence Through Innovation : Doing Your Own Thing**”
1008. **9–17 September 2018**  
**Tour de China** : Several Venues  
**11 September** One-Day British-Chinese Symposium  
Zhejiang University  
*Invited Lecture* : “**Life After a Nobel Prize**”  
**12–14 September 2018** Visionary Trends in Molecular Sciences  
Tianjin University  
*Program* : “**Engines Through the Ages**”  
**15 September 2018** Celebration of 60th Anniversary  
Beijing University of Chemical Technology  
*Invited Lecture* : “**Mingling Art with Science**”  
**16 September 2018** Conference on Promoting New Chemistry  
Beijing Institute of Technology  
*Invited Lecture* : “**Research Excellence Through Innovation : Doing Your Own Thing**”  
**17 September 2018** World Conference on Science Literacy / Promoting Science Literacy  
Beijing China Association for Science and Technology  
*Invited Lecture* : “**The American Chemical Society Project SEED Program : A 50-Year-Long  
Experiment in Promoting Science Literacy in the United States**”  
*Invited Lecture* : “**Research Excellence Through Innovation : Doing Your Own Thing**”
1009. **24–25 September 2018** Annual Center for Integrated Technologies (CINT) Users Meeting  
La Fonda on the Plaza / Santa Fe / NM  
*Keynote Address* : “**The Rise and Promise of Artificial Molecular Machines Based on the  
Mechanical Bond**”
1010. **4–5 October 2018** 2018 Samuel Weissman Lectures  
Department of Chemistry / Washington University / St Louis

- Public Lecture : “Engines Through the Ages”  
Seminar : “Life After a Nobel Prize”
1011. 7–8 October 2018 Irvine Memorial Lecture  
St Andrews University / UK
- General Interest Lecture : “Sweet Reflections : Tracing my Academic Lineage Back to Sir James Irvine”
1012. 11 October 2018  
Rugby School / Rugby / UK : Science Society
- Talk : “My Journey to Stockholm”
1013. 15–17 October 2018 2018 Emerson Center Award  
Emory University / Atlanta / GA
- Keynote Lecture : “The Rise and Promise of Artificial Molecular Machines Based on the Mechanical Bond”
1014. 18–21 October 2018 Symposium on the Frontiers of Sciences and Transformation / WE  
Forum  
Westlake University / Hangzhou / China : Founding Ceremony
- Invited Speech : “The Wisdom of Supporting Creative People to do Transformative Research”
1015. 21–25 October 2018 Symposium ArmChemFront 2018  
Ani Plaza Hotel / Yerevan / Armenia :
- Plenary Lecture : “Engines Through the Ages”  
TUMO Creative Center Lecture : “My Journey to Stockholm”
1016. 25–27 October 2018 University of Southern Denmark  
Odense / Denmark
- Invited Lecture : “Farmer’s Boy Turned Scientist Meets Queen of Scotland and King of Sweden”
1017. 28–30 October 2018 2018 Mitchum E Warren Jr Lecture in Chemistry  
Vanderbilt University / Nashville / TN
- Named Lecture : “The Rise and Promise of Artificial Molecular Machines Based on the Mechanical Bond”
1018. 31 October–2 November 2018 Mislow Symposium / Department of Chemistry  
Princeton University / Princeton / NJ
- Invited Lecture : “Radical Chemistry in the Design and Synthesis of Artificial Molecular Machines”
1019. 4–7 November 2018 2018 Sustainable Industry Processing Summit (SIPS)  
Othon Palace Hotel / Copacabana Beach / Rio de Janeiro / Brazil
- Plenary Lecture : “Serendipity Stokes Discovery : Disrupting Established Industries”
1020. 19–23 November 2018 Molecular Machine Days  
University of Bologna / Bologna / Italy
- Invited Lecture : “Radical Chemistry in the Design and Synthesis of Artificial Molecular Machines”
1021. 26–29 November 2018 Mautner Memorial Lecture Series  
UCLA / Los Angeles / CA
- Public Lecture : “My Journey to Stockholm”  
Research Lecture : “Engines Through the Ages”
1022. 2–7 December 2018 43rd National Convention / South African Chemical Institute  
International Convention Center / CSIR / Pretoria / South Africa
- Plenary Lecture : “The Rise and Promise of Artificial Molecular Machines Based on the Mechanical Bond”
1023. 12–14 December 2018 Two-Day Symposium on Supramolecular Chemistry  
Lyon / France
- Invited Lecture : “Radical Chemistry in the Design and Synthesis of Artificial Molecular Machines”
1024. 14 December 2018 Université Claude Bernard Lyon  
Lyon / France
- Public Lecture : “Doing One’s Own Thing”
1025. 2 January 2019 ACERA / The Massachusetts School of Science Creativity and  
Leadership  
Boston / MA
- Middle School Talk : “Doing One’s Own Thing”
1026. 9–11 January 2019 College of Chemistry and Molecular Science  
Wuhan University / Wuhan / China
- General Lecture : “My Journey to Stockholm”  
Research Lecture : “Radical Chemistry in the Design and Synthesis of Artificial Molecular Machines”

1027. **20–25 January 2019** Global Young Scientists Summit (GYSS) 2019  
NTU / Singapore  
*Plenary Lecture* : “**Materials Beyond Cyclodextrins : Emergence Opens Doors**”  
*Small Group Discussion* : “**Doing One’s Own Thing**”
1028. **25–26 January 2019** Burns Symposium  
University of Chicago  
Presentation / 30 min : “**Radical Chemistry**”
1029. **23–25 February 2019** SuperChem 2019  
Würzburg / Germany  
*Invited Lecture* : “**The Rise and Promise of Artificial Molecular Machines Based on the Mechanical Bond**”
1030. **11 March 2019** New Zealand Institute of Chemistry  
Auckland University of Technology / Auckland / New Zealand  
*Seminar* : “**The Rise and Promise of Artificial Molecular Machines Based on the Mechanical Bond**”
1031. **16–19 March 2019** 2019 Wallace H Coulter Lecture  
Pennsylvania Convention Center / Philadelphia / PA  
*Named Lecture* : “**Serendipity Stokes Discovery : Disrupting Established Industries**”
1032. **23 March 2019** Special Seminar  
University of Tokyo / Tokyo / Japan  
*Seminar* : “**Serendipity Stokes Discovery : Disrupting Established Industries**”
1033. **24–25 March 2019** Symposium on Building and Probing Small  
Palace of the Academies in Brussels / Belgium  
*Plenary Lecture* : “**Radical Chemistry**”
1034. **26–28 March 2018** Centenary Celebration of the Finnish Chemical Society  
Helsinki / Finland  
*Invited Lecture* : “**The Rise and Promise of Artificial Molecular Machines Based on the Mechanical Bond**”
1035. **31 March–4 April 2019** Spring 2019 ACS National Meeting / Graduate Student Symposium  
on “Artificial  
Molecular Machines and the Next Generation of Molecular Control”  
Orlando / FL  
*Invited Presentation* : “**Precision Synthesis of Polyrotaxanes Enabled by Artificial Molecular Machines**”  
Orlando / FL : Spring ACS National Meeting / ACS Chemistry of  
Materials Award  
*Invited Talk* : “**Radical Chemistry in the Design and Synthesis of Artificial Molecular Machines**”
1036. **8 April 2019** Nobel Prize Inspiration Initiative (NPii)  
Universidade de São Paulo / São Paulo / Brazil  
*Invited Lecture* : “**My Journey to Stockholm**”
1037. **9 April 2019** NPii  
Universidade de Brasília / Brasília / Brazil  
*Invited Lecture* : “**Engines Through the Ages**”
1038. **10 April 2019** NPii  
Universidade Federal Fluminense / Niterói / Brazil  
*Invited Lecture* : “**My Journey to Stockholm**”
1039. **12 April 2019** Distinguished Habbermann Lecture  
Department of Chemistry / Marquette University / Milwaukee / WI  
*Invited Lecture* : “**My Journey to Stockholm**”
1040. **14–15 April 2019** 2018 Michelson Lecture  
United States Naval Academy / Annapolis / MD  
*Lecture* : “**Engines Through the Ages**”
1041. **17–19 April 2019** 2019 Dwan L Ford Guest Lecture Series / Chemistry and  
Biochemistry Seminar Program  
**Andrews University / Berrien Springs / MI**  
*Seminar* : “**Engines Through the Ages**”
1042. **23–24 April 2019** Frank C Mathers Lectureship  
Indiana University / Bloomington / IN  
*Named Lecture* : “**The Rise and Promise of Artificial Molecular Machines Based on the Mechanical Bond**”
1043. **28–30 April 2019** Special University Seminar  
Clemson University / Clemson / SC  
*Seminar*: “**My Journey to Stockholm**”

1044. **1 May 2019** Great Lakes Regional ACS Meeting / “Chemistry Connections – Careers – Education – Sustainability”  
Sheraton Lisle / Naperville / IL  
*Plenary Lecture* : “**The Rise and Promise of Artificial Molecular Machines Based on the Mechanical Bond**”
1045. **2–5 May 2019** Kentucky Derby Lectureship  
University of Louisville / Louisville / KY  
*Derby Lecture* : “**Radical Chemistry in the Design and Synthesis of Artificial Molecular Machines**”  
*General Audience Lecture* : “**My Journey to Stockholm**”
1046. **5–8 May 2019** Frontiers in Polymer Science  
Budapest / Hungary  
*Invited Lecture* : “**The Growing Impact of the Mechanical Bond on Polymer and Materials Sciences**”
1047. **15–16 May 2019** Mendel Lecture  
Augustinian Abbey / Brno / Czech Republic  
*Invited Lecture* : “**The Rise and Promise of Artificial Molecular Machines Based on the Mechanical Bond**”
1048. **19–21 May 2019** 2019 IUPAC Conference on Crop Protection  
Ghent University / Ghent / Belgium  
*Keynote Lecture* : “**Research Excellence Through Innovation : Doing One’s Own Thing**”
1049. **20–21 May 2019** Seminar on Science for Peace and Sustainability  
Ghent University / Ghent / Belgium  
*Seminar* : “**Serendipity Stokes Discovery : Disrupting Established Industries**”
1050. **29–30 May 2019** Bracco  
Milan / Italy  
*Invited Lecture* : “**Serendipity Stokes Discovery : Disrupting Established Industries**”
1051. **30 May–1 June 2019** Natta Lecture  
Politecnico di Milano / Milan / Italy  
*Named Lecture* : “**The Growing Impact of the Mechanical Bond on Polymer and Materials Sciences**”
1052. **2–6 June 2019** XIV International Symposium on Macrocyclic and Supramolecular Chemistry  
(ISMSC-2019)  
Leece / Italy  
*Invited Lecture* : “**A Decade of Radical Chemistry by the Trabolsi School**”  
*High School Lecture* : “**My Journey to Stockholm**”
1053. **19–20 June 2019** 2019 Sigma Xi – Edison Memorial Lecture  
Naval Research Laboratory / Washington, DC  
*Named Lecture* : “**Engines Through the Ages**”
1054. **23–27 June 2019** Materials Research Society of Singapore  
Singapore : ICMAT 2019  
*Public Lecture* : “**Research Excellence Through Innovation : Doing One’s Own Thing**”  
*Plenary Lecture* : “**The Growing Influence of the Mechanical Bond on Polymer and Materials Sciences**”
1055. **28 June–1 July 2019** Conference on Nanoscience and Nanotechnology (6th ICAN)  
Corfu / Greece  
*Opening Plenary Lecture* : “**Radical Molecular Technology**”
1056. **3–5 July 2019** International Conference on Electrical Engineering  
Hong Kong  
*Keynote Presentation* : “**Precision Production of Polyrotaxanes Enabled by Artificial Molecular Pumps**”
1057. **7–8 July 2019** 14th International Conference on Materials (MC14)  
Aston University / Birmingham / UK  
*Invited Lecture* : “**The Growing Influence of the Mechanical Bond on Polymer and Materials Sciences**”
1058. **9–11 July 2019** IUPAC 47th World Chemistry Congress and 50th General Assembly of IUPAC  
Paris Convention Center / Paris / France  
*Joint Plenary Lecture with Jean-Pierre Sauvage and Ben Feringa* : “**Three Tenors for an Ode to Soft Machines**”
1059. **11–13 July 2019** University of Rennes / Brittany / France : General Lecture on My History  
*Invited Lecture* : “**My Journey to Stockholm**”

1060. **14–18 July 2019** 21st European Symposium on Organic Chemistry (ESOC 2019)  
Vienna / Austria  
*Invited Lecture* : “**Radical Chemistry in the Design and Synthesis of Artificial Molecular Machines**”
1061. **1–2 August 2019** Berkeley Global Science Institute / Laboratory Research Experience  
(LRE)  
Program / UC Berkeley College of Chemistry / Berkeley / CA  
*Invited Lecture* : “**The Growing Impact of the Mechanical Bond on Polymer and Materials Sciences**”
1062. **4–9 August 2019** Annual Meeting of the International Society of Electrochemistry  
Durban / South Africa  
*Opening Plenary Lecture* : “**Radical Chemistry**”  
*Master Class* : “**Electrochemistry on the Hoof**”
1063. **20–24 August 2019** World Laureates Association Sanya Marine and Life Science  
Sanya / China  
*Invited Presentation* : “**Taking Cyclodextrin Metal–Organic Frameworks from the Research Laboratory to the Market Place**”
1064. **5–6 September 2019** OVPRED University Wide Distinguished Lectureship  
State University of New York / Buffalo / NY  
*Distinguished Lecture* : “**The Growing Impact of the Mechanical Bond on Polymer and Materials Sciences**”
1065. **15–18 September 2019** 110th Anniversary Celebration of Lanzhou University  
Lanzhou / China  
*Invited Lecture* : “**My Journey to Stockholm**”
1066. **24–28 September 2019** ICI Distinguished Lecture Series / University of Calgary / Calgary /  
Canada  
*Public Lecture* : “**My Journey to Stockholm**”  
*Research Lecture 1* : “**Taking Cyclodextrin Metal–Organic Frameworks from the Research Laboratory to the Market Place**”  
*Research Lecture 2* : “**The Growing Impact of the Mechanical Bond on Polymer and Materials Sciences**”
1067. **29 September – 1 October 2019** LIV Mexican Congress of Chemistry  
University of Puebla / Puebla / Mexico  
*Plenary Lecture* : “**The Growing Impact of the Mechanical Bond on Polymer and Materials Sciences**”
1068. **5–8 October 2019** 16th Annual Meeting of the Science and Technology Society (STS)  
Forum  
Kyoto / Japan  
*Talk* : “**Mentorship in Tomorrow’s World**”
1069. **9–10 October 2019** World University Forum on Materials Science & Engineering  
Leadership  
Wuhan / China  
*Conference Presentation* : “**Taking Cyclodextrin Metal–Organic Frameworks from the Research Laboratory to the Market Place**”  
*University Presentation* : “**The Growing Impact of the Mechanical Bond on Polymer and Materials Sciences**”
1070. **12 October 2019** Association of Chinese-American Scientists and Engineers (ASCE)  
Schaumburg / IL  
*Keynote Lecture* : “**Taking Cyclodextrin Metal–Organic Frameworks from the Research Laboratory to the Market Place**”
1071. **14–15 October 2019** Robert Damrauer Lectureship / University of Colorado  
Denver / CO  
*Public Lecture* : “**Taking Cyclodextrin Metal–Organic Frameworks from the Research Laboratory to the Market Place**”  
*Departmental Seminar* : “**The Growing Impact of the Mechanical Bond on Polymer and Materials Sciences**”
1072. **16–18 October 2019** 2019 Midwest Regional ACS Meeting / 2019 Watkins Professorship  
Wichita / KS  
*Plenary Lecture* : “**The Growing Impact of the Mechanical Bond on Polymer and Materials Sciences**”
1073. **29–31 October 2019** Dodge Lectureship : Department of Chemical & Environmental  
Engineering



- Yale University / New Haven / CT
- Named Lectureship* : **“The Growing Impact of the Mechanical Bond on Polymer and Materials Sciences”**
1074. **12–14 November 2019** New Directions for Nanoporous Materials / Hotel Jaadschloss  
Niederwald / Germany
- Invited Lecture* : **“Taking Cyclodextrin Metal–Organic Frameworks from the Research Laboratory to the Market Place”**
1075. **16–19 November 2019** Hong Kong University / Hong Kong  
(All the planned events were cancelled because of the unrest in Hong Kong)
1076. **21–22 November 2019** Visit to ICAB and Workshop on Molecular Rotors  
Institute of Chemistry and Biochemistry / Czech Academy of Sciences  
Prague / Czech Republic
- ICAB Invited Lecture*: **“Taking Cyclodextrin Metal–Organic Frameworks from the Research Laboratory to the Market Place”**
- Workshop Lecture* : **“Chemically and Electrically Driven Pumps and Motors”**
1077. **29 November 2019** Conference Promoting New Chemistry  
Beijing Institute of Technology / Beijing / China
- Invited Lecture* : **“Chemically and Electrically Driven Pumps and Motors”**
1078. **1–3 December 2019** 20th International Symposium of the Research Institute for Electronic  
Science
- Hokkaido University / Sapporo / Japan
- Plenary Lecture* : **“Chemically and Electrically Driven Pumps and Motors”**
1079. **5 December 2019** Chemistry Department Lecture / National Chiao-Tung University /  
Taiwan
- Lecture* : **“My Journey to Stockholm”**
1080. **6 December 2019** University Lecture / National Taiwan University / Taipei / Taiwan
- Public Lecture* : **“My Journey to Stockholm”**
1081. **18 December 2019** Royal Australian Institute (RACI) / Biannual Inorganic Division  
Meeting
- Wollongong / Australia
- Plenary Lecture* : **“Taking Cyclodextrin Metal–Organic Frameworks from the Research Laboratory to the Market Place”**
1082. **30 January 2020** Torkil Holm Symposium 2020 / Copenhagen / Denmark
- Invited Lecture* : **“Artificial Pumps and their Potential Uses”**