

CURRICULUM VITAE
Prof. Dr. Dr. h.c. TODD B. MARDER, FRSC

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PERSONAL DATA

Date of Birth 14 November, 1955

Family status Married, 1 child

University Education

1976 B.Sc. Chemistry, Massachusetts Institute of Technology, Cambridge, MA, USA
(with Professor A. Davison, FRS)

1981 Ph.D. Inorganic Chemistry, University of California, Los Angeles, CA, USA
(with Professor M.F. Hawthorne)

Employment

1981-1983 Postdoctoral Fellow, University of Bristol, School of Chemistry, Bristol, England
(with Professor F.G.A. Stone, FRS, CBE)

1983-1985 Visiting Research Scientist, E.I. DuPont DeNemours & Co. Inc., Central Research and
Development Department, Wilmington, Delaware, USA

1985-1989 Assistant Professor

1989-1993 Associate Professor (tenured)

1993-1997 Professor (Full)

Inorganic Chemistry, University of Waterloo, Waterloo, Ontario, Canada
Member of the Guelph-Waterloo Centre for Graduate Work in Chemistry

1996-1997 Co-Associate Director of the Waterloo Centre for Materials Technology (WATMAT)

1997-2000 Adjunct Professor of Chemistry, University of Waterloo

1997-2012 Professor (Chair) of Inorganic Chemistry, University of Durham, England

1998-2003 Head of Inorganic Teaching Section, University of Durham

1999-2000 Head of "Structure, Bonding, Spectroscopy and Theory" Research Grouping, University of Durham

2000-2008 Head of "Structure, Property and Function" Research Grouping, University of Durham

2000-2012 Member of the Centre for Molecular and Nanoscale Electronics, University of Durham

2003-2004 Sir Derman Christopherson Foundation Fellow, University of Durham

2006-2012 Member of the Centre for Bioactive Chemistry, University of Durham

2006-2012 Member of the North East England Stem Cell Institute

2007-2012 Member of the Institute of Human Genetics, Newcastle University, England

2012- Professor and Chair I of Inorganic Chemistry, Institute of Inorganic Chemistry, &

Co-Head, Institute for Sustainable Chemistry & Catalysis with Boron

Julius-Maximilians-Universität Würzburg, Germany

Member of the Center for Nanosystems Chemistry

Member of the State Key Laboratory of Supramolecular Photovoltaics and Photocatalysis

Member of the Wilhelm Conrad Röntgen Research Center for Complex Materials Systems

Other Positions Held

- 1987 Visiting Researcher, Inorganic Chemistry Laboratory, Oxford University, England (May)
- 1988 Visiting Researcher, Inorganic Chemistry Laboratory, Oxford University, England (August-September)
- 1991 Visiting Researcher, Department of Chemistry, University of Newcastle upon Tyne, England (April)
- 1992 Visiting Researcher (NSERC/Royal Society UK Bilateral Exchange Grantee), Department of Chemistry, University of Newcastle upon Tyne, England (April-June)
- 1993 Professeur Invité, Laboratoire de Chimie de Coordination Organique, Université de Rennes 1, France (June-July)
- 1995 Visiting Senior Research Fellow, University of Newcastle upon Tyne, England (April-May)
- 1996 Faculty of Science Visiting Fellow, School of Chemistry, University of Bristol, England
- 1996 Visiting Researcher (NSERC/Royal Society UK Bilateral Exchange Grantee), School of Chemistry, University of Bristol; Department of Chemistry, University of Newcastle upon Tyne; and Department of Materials and the Inorganic Chemistry Laboratory, Oxford University, England (May-June)
- 1997 Visiting Professor, Department of Chemistry, University of Newcastle upon Tyne, England (1 March-30 September)
- 2003 Visiting Professor, Department of Chemistry, Hong Kong University of Science and Technology, Kowloon, Hong Kong (3 March – 2 April) – Leverhulme Study Abroad Fellow
- 2004 Leverhulme Study Abroad Fellow, Department of Chemistry, Hong Kong University of Science and Technology, Kowloon, Hong Kong (4 February – 2 March)
- 2004 Visiting Researcher (RSC Journals Grant Awardee), University of Hawaii at Manoa, Honolulu, Hawaii (April)
- 2005 Visiting Researcher, Université de Rennes 1, France (May) - Royal Society-CNRS Joint Project Grant
- 2006 Visiting Researcher, Peking University, Beijing, China and Hong Kong University of Science and Technology, Kowloon, Hong Kong (March-April) – Royal Society Outgoing Short Visit
- 2006 Visiting Researcher, Université de Rennes 1, France (July and November) - Royal Society-CNRS Joint Project Grant
- 2006-2021 Adjunct Professor of Chemistry, Hong Kong University of Science and Technology, Kowloon, Hong Kong (1 July 2006 – 30 June 2021)
- 2007-2012 Honorary Professor, Newcastle University, North-East England Stem Cell Institute, Faculty of Medical Sciences (1 January 2007 – 31 December 2012)
- 2009 Visiting Professor, Hokkaido University, Sapporo, Japan (October)
- 2010 Japan Society for the Promotion of Science JSPS Invitation Fellow (April)
- 2012- Visiting Professor, Northeast Normal University, Changchun, China
- 2012-2023 Honorary Professor of Chemistry, University of Durham, UK
- 2013-2015 Jiangnan Distinguished Professor, Jiangnan University, China
- 2013-2022 Guest Professor, Shandong University, China
- 2014 David Craig Visiting Professor, Research School of Chemistry, Australian National University (November – December)
- 2016 Visiting Professor, Indian Institute of Science, Bangalore, India (October)
- 2019- Consultant Professor, Northwestern Polytechnical University, China

Major Fellowships, Honors and Awards

- Elected Fellow of the European Academy of Sciences (EurASc) (June 2019)
- Elected Fellow of the American Association for the Advancement of Science (AAAS) (November 2018)
- Awarded Docteur Honoris Causa, Université de Rennes 1, Rennes, France (April 2018)
- 1000-Foreign Talents Award for Foreign Experts, Selected by the Recruitment Program of 1000-Talents of the Chinese Administration of Foreign Expert Affairs, and offered “National Chair Professorship” at Tongji University under “Recruitment Program of Global Experts” (April 2018) - declined
- Elected to Membership, Bayerische Akademie der Wissenschaften (Bavarian Academy of Sciences) (2015)
- Royal Society of Chemistry (UK) Organometallic Chemistry Award (2015)
- Royal Society of Chemistry (UK) Rita and John Cornforth Team Award (2012)
- Alexander von Humboldt Foundation Research Award (2010)
- Royal Society (UK) Wolfson Research Merit Award (2010)
- Japan Society for the Promotion of Science JSPS Invitation Fellowship (2010)
- Royal Society of Chemistry (UK) Award in Main Group Element Chemistry (2008)
- Sir Derman Christopherson Foundation Fellowship, University of Durham (2003-4)

- Member, Society of Fellows, University of Durham (since 2003)
- Leverhulme Study Abroad Fellowship – The Leverhulme Trust (2003-4)
- Invited Lecture Tour, Foreign Researcher Invitation Program, Science and Technology Agency, Japan (1998)
- Elected Fellow of the Royal Society of Chemistry (FRSC) (1997)
- Rutherford Memorial Medal for Chemistry, The Royal Society of Canada (1995)
- University of California, Regents Intern Fellowship (1976-1980)
- New York State Regents Fellowship (1972) – declined

Membership in Professional Organizations

- Gesellschaft Deutscher Chemiker (The Germany Chemical Society – GDCh)
- Fellow of the Royal Society of Chemistry, UK (CChem, FRSC)
- American Chemical Society (Inorganic and Organic Divisions)
- The Chemical Institute of Canada (Canadian Society for Chemistry)
- Fellow of the European Academy of Sciences (EurASc)
- Fellow of the American Association for the Advancement of Science
- Sigma Xi, The Scientific Research Society
- New York Academy of Sciences
- British Liquid Crystal Society
- British Crystallographic Association

Publications 383; Patents 7 applied (2 granted thus far); Web of Science 20.11.2020: h-Index 88; Citations 24,799 (non-self citations 21,967), 71 papers with 100 or more citations each, 109 papers with 75 or more citations, 149 papers with 50 or more citations each. Google Scholar: h-Index 91; 26,796 citations. Over 420 invited lectures at conferences, universities, government and industrial research facilities worldwide. My work has been highlighted in an Author Profile in Angew. Chem. Int. Ed. 2015, 54, 2882 (DOI: 10.1002/anie.201409785), Angew. Chem. 2015, 127, 2924 (DOI: 10.1002/ange.201409785), in a Movers & Shakers biographical article in The Catalyst Review 2017, 30, 18 (a publication for the chemical industry), in Chemistry Views (Wiley), many times in Synfacts and on the Organic Chemistry Portal, both of which highlight significant recent advances in organic chemistry, and in notices of awards received in RSC News and Angew. Chem. Int. Ed., etc.

Over 35 former co-workers hold academic positions around the world.

PROFESSIONAL ACTIVITIES

Editorial Boards

- Member of the Advisory Board of the “Chinese Journal of Chemistry” (Wiley) (March 2018 -)
- Member of the Advisory Board of “Inorganica Chimica Acta” (December 2010 -)
- Member of the Advisory Board of “Applied Organometallic Chemistry” (2010 -)
- Member of the Editorial Board of "Chemistry Central Journal"(now “BMC Chemistry”) (2006 -)
- Member of the International Editorial Advisory Board of "Organometallics" (January 2006 - December 2008)
- Member of the Editorial Board of the "Canadian Journal of Chemistry " (January 2005 - December 2008)
- Member of the Editorial Board of "Journal of Organometallic Chemistry" (January 2003 -)
- Member of the Editorial Board of "Polyhedron" (January 2002 - December 2004)
- Member of the Advisory Board of "Inorganic Chemistry" (January 1999 - December 2000)
- Member of the Editorial Board of "Crystal Engineering" (1997 - 2003)

Books and Journal Issues Edited: see end of publication list

International Program Coordination / Leadership

Durham Leader, Durham University (UK) – Université de Rennes 1 (France) CNRS PICS (International Program for Scientific Cooperation) (2009 - 2010)

Durham Leader, Durham University (UK) – Université de Rennes 1 (France) CNRS LEA (European Associated Laboratory) (2011)

External Examining of Chemistry Teaching Programs

- External Examiner in Inorganic Chemistry, University of Edinburgh (1999-2002)
- External Examiner for Integrated Master's, Master of Chemistry, University of East Anglia (2007-2010)
- External Examiner for Department of Chemistry, Sultan Qaboos University, Oman (2008, 2009)

Refereeing/Reviewing

- I routinely referee manuscripts for the following journals: Journal of the American Chemical Society, Organometallics, Inorganic Chemistry, Journal of Organic Chemistry, Organic Letters, Angewandte Chemie, Chemistry - A European Journal, Chemical Communications, Dalton Transactions, and less frequently for other journals.

- I serve as a reviewer for a variety of grant proposals for the DFG, Alexander von Humboldt Foundation, ERC, EPSRC (UK), NSERC (Canada), NSF (USA), ACS/PRF (USA), Research Corporation (USA), Fonds FCAR (Québec, Canada), the Canadian Foundation for Innovation, the Hong Kong Research Grants Council, and the Australian Research Council, and have reviewed proposals for agencies in several other countries on an occasional basis.

- I have served as a referee for promotion and tenure decisions at universities on 5 continents. I typically receive ca. 4-5 papers/grants per week to referee.

Engineering and Physical Sciences Research Council (EPSRC)

- Member of the EPSRC Peer Review College (1 January 2003 -)

Consulting and Related Activities

- Scientific Advisor, ReInnervate Ltd. (2006 - 2011)
- Member of the Industrial Advisory Board for Molecular Engineering, Newcastle University (2005 - 2011)

Gesellschaft Deutscher Chemiker (GDCh)

- Member of the Todd-Krebs-Namensvorlesung Award Committee (2018 -)

Royal Society of Chemistry

- Chair of the RSC Organometallic Chemistry Award sub-committee (2017-2020)
- Member of the Dalton (Inorganic) Division Council (July 2000 - June 2003)

Canadian Society for Chemistry

- Member of the Nominating Committee of the CSC Division of Inorganic Chemistry (1996 - 1999)
- Member of the Selection Committee for the 1998 CSC Award for Pure or Applied Inorganic Chemistry (1997)
- Symposium organiser: CSC Annual Conference 1997, and Canadian organiser for symposia in Mexico and Hawaii (see below)

Symposia and Conferences

- Member of the International Scientific Committee, IMEBORON Conferences.
- Member of the International Organising Committee, Euroboron Conferences.
- Member of the Academic Committee, 2nd International Conference on Boron Chemistry (ICBC-II), Taiyuan, Shanxi, China, July 2019.

- Member of the Scientific Committee, 3rd International Caparica Conference on Chromogenic and Emissive Materials, (IC3EM), Caparica, Portugal, September 2018.
- Session Chairman: 16th International Meeting on Boron Chemistry (IMEBORON 16), Hong Kong, China, July 2017.
- Session Chairman: 1st International Conference on Phosphorus, Boron and Silicon (PBSi 2017), Paris, France, July 2017.
- Organizer, symposium on “Novel Molecular and Supramolecular Theory and Synthesis Approaches for Sustainable Catalysis” within the program on 'Green Chemistry for World Needs' at the 45th IUPAC World Chemistry Congress, Busan, Korea, August 9-14, 2015.
- Session Chairman: 5th Asian Conference on Coordination Chemistry (ACCC5), Hong Kong, July 2015.
- Judge, poster and oral presentations of pre-university student research projects, 15th Asian Chemical Congress (15 ACC), Singapore, August 19-23, 2013.
- Organiser, First Research Councils UK (RCUK) UK-China Workshop on “Metals in Organic Synthesis: Towards Cleaner, Greener Chemical Processes,” held at Peking University, Beijing, China, January 9-13, 2011.
- Session Chairman, PACIFICHEM 2010, Symposium on “Organoboron, Organosilicon and Organophosphorus as Optoelectronic and Energy-related Materials,” Honolulu, Hawaii, December 2010.
- Chairman, Scientific Committee, RSC Dalton Discussion 12 Conference on “Catalytic C-H and C-X Bond Activation,” Durham, September 13-15, 2010.
- Session Chairman, Inaugural (1st) International Conference on Molecular and Functional Catalysis, Singapore, July 2010.
- Session Chairman: 23rd International Conference on Organometallic Chemistry (ICOMC), Rennes, France, July 2008.
- Session Chairman: Co-Reach Conference (Co-ordination of Research between the EU and China), The Royal Society, London, June 2007.
- Session Chairman: Symposium on "Recent Developments in Organoboron and Organosilicon Chemistry" for the 5th International Congress of the Pacific Basin Societies, Honolulu, Hawaii, December 2005.
- Co-organiser, Second Durham One-day Symposium on “Synthesis and Applications of Organoboronates,” May 10, 2004.
- Discussion Leader, Royal Society of Chemistry, Dalton Discussion 6, “Organometallic Chemistry and Catalysis,” York University, UK, September 9-11, 2003.
- Member of the Organising Committee, session chairman, and poster judge: 8th International Conference on the Chemistry of the Platinum Group Metals, University of Southampton, July 7-12, 2002.
- Co-organiser, First Durham One-day Symposium on “Synthesis and Applications of Organoboronates,” May 2002.
- Member of the Scientific Committee: 16th International Symposium on Fluorine Chemistry, University of Durham, July 2000.
- Session Chairman, 34th International Conference on Coordination Chemistry, Edinburgh, July 2000.

- Co-organiser, Member of Local Organising Committee, Fund-raiser and Session Chairman: Tenth International Conference on Boron Chemistry (IMEBORON X), University of Durham, July 11-15, 1999.
- Co-editor, "Contemporary Boron Chemistry", book of proceedings from the IMEBORON X conference, published by the Royal Society of Chemistry, 2000.
- Canadian Organiser, Fund-raiser and Session Chairman: Symposium on "Transition Metal Group 13 Compounds Including Their Roles in Catalytic Processes" Fifth Chemical Congress of North America, Cancun, Mexico, November 11-15, 1997.
- Organizer: Symposium on "Catalysis in Organometallic Chemistry: Models, Mechanisms and Applications" 80th National Meeting of the Canadian Society for Chemistry, Windsor, Ontario, June 1997.
- Canadian Organiser and Session Chairman: Symposium on "Metal Complexes of Carbon: The Coordination Chemistry of C_x Ligands" for the 3rd International Congress of the Pacific Basin Societies, Honolulu, Hawaii, December 1995.
- Co-organiser and Fund-raiser: 26th Inorganic Discussion Weekend held at the University of Guelph, Guelph, Ontario, November 1993. Attendance was *ca.* 160.
- Co-organizer, Fund-raiser and Session Chairman: 23rd Inorganic Discussion Weekend held at the University of Waterloo, November 1990. Attendance was *ca.* 150.
- Session Chairman: 11th Canadian Symposium on Catalysis/73rd National Meeting of the Canadian Society for Chemistry, Halifax, N.S., July 1990.
- Session Chairman: Inorganic Division, Third Chemical Congress of North America (joint meeting of the Canadian, American, and Mexican Chemical Societies), Toronto, Ontario, June 1988.