



学术报告

Transition Metal Catalyzed Borylation of C-H Bonds

Professor Todd B. Marder

University of Durham, England

报告地点: 生物楼学术报告厅

报告时间: 2007年4月29日(星期日) 上午8:30 AM

报告人简介:

知名英国有机硼化学家Todd B. Marder, 美国化学会核心刊物Organometallics等的国际顾问编委。

CURRICULUM VITAE

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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,
(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

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

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

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

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

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 Invited Professor, Laboratoire de Chimie de Coordination Organique, Université de Rennes I, 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)

Other Positions Held (continued)

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 I, 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 I, France (July and November) - Royal Society-CNRS Joint Project Grant

2006-2009 Adjunct Professor of Chemistry, Hong Kong University of Science and Technology, Kowloon, Hong Kong (1 July
2006 – 30 June 2009)

2007-2012 Honorary Professor, Newcastle University, North-East England Stem Cell Institute, Faculty of Medical Sciences
(1 January 2007 – 31 December 2012).

Selected Fellowships and Awards

- Sir Derman Christopherson Foundation Fellowship, University of Durham (2003-4)
- Leverhulme Study Abroad Fellowship (2003-4)
- Rutherford Memorial Medal for Chemistry, The Royal Society of Canada (1995)
- University of California, Regents Intern Fellowship (1976-1980)

Membership in Professional Organizations

- Fellow of the Royal Society of Chemistry, UK (CChem, FRSC), (Member, Dalton Division Council 2000-03)
- American Chemical Society (Inorganic and Organic Divisions)
- The Chemical Institute of Canada (Canadian Society for Chemistry)
- Member, Sigma Xi, The Scientific Research Society (since 1981)
- American Association for the Advancement of Science
- New York Academy of Sciences
- British Liquid Crystal Society
- British Crystallographic Association

Editorial Boards

- Member of the Editorial Board of "Chemistry Central Journal" (2006 -)
- Member of the International Editorial Advisory Board of "Organometallics" (January 2006 - December 2009)
- 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 Editorial Board of "Crystal Engineering" (1997-2003)
- Member of the Advisory Board of "Inorganic Chemistry" (January 1999 - December 2000)

Guest Editor

- Special issue of Journal of Organometallic Chemistry, "Frontiers in Boron Chemistry," 2003.

Research

190 papers published, over 225 invited lectures at conferences or at universities, industrial and government research centres worldwide, over 200 submitted conference presentations.

Research interests include organometallic chemistry and its applications to homogeneous catalysis and the synthesis of materials; metal-boron and organoboron chemistry (including metal catalyzed borylations processes, C-H bond functionalization, chemistry of diboron(4) systems, and optical materials based on organoboranes); conjugated organic, organo-main group and organometallic materials and studies of their linear and nonlinear optical properties, liquid crystal phase behaviour and solid-state packing; crystal engineering (especially via fluoroarene-arene interactions or CH...X hydrogen bonding).

报告联系人：余正坤

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大连化学物理研究所

科技处 203组

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