

David Milstein

CURRICULUM VITAE

Education

B.Sc. with distinction, Hebrew University of Jerusalem, 1968
M.Sc. with distinction, Hebrew University of Jerusalem, 1969
Ph.D. *Summa Cum Laude*, Hebrew University of Jerusalem, 1976.
Mentor: Prof. J. Blum

Employment

- 1977-8 Post-doctoral Fellow, Colorado State University and University of Iowa, U.S.A. (with Prof. J. K. Stille). Discovery of the Stille Reaction
- 1979-1982 Senior Research Chemist, Central Research and Development Department, DuPont Co., Wilmington, De. U.S.A.
- 1983-1986 Group Leader, Central Research and Development Department, DuPont Co., Wilmington, De. U.S.A
- 1987-1992 Associate Professor, Department of Organic Chemistry, The Weizmann Institute of Science
- 1993- Full Professor, Department of Organic Chemistry, The Weizmann Institute of Science
- 1996- 2005 Head, Department of Organic Chemistry, The Weizmann Institute of Science
- 2000- Head, The Kimmel Center for Molecular Design, The Weizmann Institute of Science

Honors and Awards

- Meitner Humboldt Research Award, from the Alexander von Humboldt Foundation, 2011
- The Royal Society of Chemistry Sir Geoffrey Wilkinson Award, 2010
- Fellow of the Royal Society of Chemistry, 2010
- Novartis Lecturer, The Scripps Research Institute, La Jolla, CA 2010
- ICEP Lecturer, Northwestern University, Evanston, IL 2010
- The Inaugural Novartis Lectureship Award, Harvard University, 2009
- Arthur D. Little Lectureship Award, MIT, 2009
- The Inaugural P. Maitlis Lecturer, University of Sheffield, 2009
- The Julia S. and Edward C. Lee Memorial Lectureship Award, University of Chicago, 2008
- The American Chemical Society National Award in Organometallic Chemistry, 2007

Research cited by *Science* among the top major scientific breakthroughs of the year 2007 (discovery of a new reaction (amidation)).

The Grande Conférence de Chimie Inorganique à l'Université de Montréal Lecturer, sponsored by ALCAN, 2007

The E. H. Boomer Memorial Lectureship Award, University of Alberta, Canada, 2007

The Jeremy Musher Memorial Lecturer, Hebrew University of Jerusalem, 2007

The Israel Chemical Society Prize, 2006

Member of the German National Academy of Sciences, Leopoldina, since 2006

Member, Miller Institute for Basic Research in Science, UC Berkeley, since 2006

'Troisieme Cycle' Lectureship Award, Switzerland, 2005

The I.M. Kolthoff Prize in Chemistry, The Technion, 2002

The Chinese Academy of Sciences Lectureship, 2002

The Paolo Chini Memorial Award (awarded by the Italian Chemical Society), 1999

Iberdrola Fellow, Spain, 1998

The British Petroleum Lectureship Award 1998 (awarded by the University of Ottawa, Canada)

Taiwan National Science Council Lectureship, Taipei, 1998

The Israel Matz Professorial Chair of Organic Chemistry, since 1996

Hungarian Academy of Science Lectureship, Budapest, 1996

John van Geuns Lecturer, University of Amsterdam, 1993

Johnson Matthey (UK) lecturer, Lyon, 1990

DuPont Company Excellence Awards - 1982, 1983, 1984, 1985

Hebrew Technical Institute Award, from the Hebrew Technical Institute, New York City (1976-1977)

Editorial Boards

Israel Journal of Chemistry, since 2010-

ChemCatChem, since 2009-

Chemistry, A European Journal, since 2001-

Journal of the Chemical Society, Dalton Transactions, 2003-6

Organometallics, 1994-6

Journal of Molecular Catalysis, 1992-7

Chemtracts (Analytical, Physical and Inorganic Chemistry), 1991-5

Israel Journal of Chemistry, Guest Editor, 1991-2

Professional Activities

Member of US Department of Energy Evaluation Committee of Lawrence Berkeley National Laboratory, 2008

Weizmann Institute Steering Committee 2005 –8

Search Committee for Weizmann Institute President 2005

Board member, Federation of European Chemical Societies (Organometallic Division) 1991-

Member of the International Advisory Committee, Series of International Conferences on Organometallic Chemistry, 1993-

Board member, International Advisory Committee, Series of International Symposia on Homogeneous Catalysis, 1991-

Board member, Schmidt Minerva Center for Supramolecular Architectures 2004 –

Board member, Meitner Center for Theoretical Chemistry, The Hebrew University 2004 –

Member of the National Committee on “Materials and Chemical Technologies” of the Ministry of Science and Arts, Israel, 1999- 2002

Organizer and Chair of the Wolf-Prize Symposia, Weizmann Institute, May 2001, 2004

Chair, Symposium on Frontiers in Organic Chemistry, Weizmann Institute, 2004

Member of the Central Promotions and Appointments Committee (professorial levels) of The Weizmann Institute 1995-8

Board member, Gerhard M.J. Schmidt Memorial Fund, 1993-7

Executive committee member, Israel Chemical Society, 1992-7

Board member, R. Bloch Coal Research Center, Ben Gurion University, 1992-5

Chairman, Organic Chemistry Committee, the Israel Science Foundation administered by the Israel Academy of Sciences and Humanities, 1991-1993

Consultant, BASF, Ludwigshafen Germany, 1999-2003

Consultant, Hoechst AG, Frankfurt, Germany, 1990-1999

Chairman, Promotions and Appointments Committee of the Faculty of Chemistry, The Weizmann Institute of Science 1994-6

Visiting Professorships

1-4/2006 Miller Visiting Professor, University of California, Berkeley

7/2001 Visiting Professor, CNRS, Toulouse, France

6/2001 Visiting Professor, Ecole Normale Superieure, Paris, France

3/2001 Visiting Professor, Chinese Academy of Sciences, Hong Kong, Shanghai, Beijing

7/1989 Visiting Professor, (ETH), Zurich, Switzerland
5/2000

11/1998 Visiting Professor of the National Science Council, Taipei, Taiwan

5-7/1998 Iberdrola Visiting Professor, Spain

7/1996 Visiting Professor, University of Heidelberg

4/1996 Visiting Professor of the Hungarian Academy of Sciences

7-9/1987; Visiting Professor, DuPont Co., Wilmington, De. U.S.A.
7/1988

Research Interests

Catalytic design, green chemistry, organometallic chemistry, sustainable energy. Including:
New metal promoted transformations, activation of strong bonds, pincer-type complexes, new modes of metal-ligand cooperation in bond activation and catalysis, design of “green” synthetic reactions, new approaches for hydrogen generation from sustainable resources and for light-driven water splitting.