

PROFESSOR Hisashi YAMAMOTO

Personal Data



Born: July 16, 1943 (Kobe, Japan)

Citizenship: Japan

The University of Chicago

Department of Chemistry

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Education

B.S. Kyoto University, 1967 (Prof. H. Nozaki, Thesis Director)

Ph.D. Harvard University, 1971 (Prof. E. J. Corey, Thesis Director)

Professional

1971-1972 Toray Industries, Inc. (Prof. J. Tsuji, Adviser)

1972-1976 Instructor, Kyoto University

1976-1977 Lecturer, Kyoto University

1977-1980 Associate Professor, University of Hawaii

1980-1983 Associate Professor, Nagoya University

1983-2002 Professor, Nagoya University

1997-1999 Councilor of Nagoya University

2002-present Professor, The University of Chicago
Arthur Holly Compton Distinguished Professor

Publications

472 original papers and 107 reviews (50 in Japanese)

Field of Research

Organic chemistry, Synthetic organic chemistry
Organometallic chemistry, Asymmetric synthesis
Natural product synthesis, Enzyme inhibitor, Bioorganic chemistry

Memberships

The American Chemical Society
The Royal Society of Chemistry
The Chemical Society of Japan
The Pharmaceutical Society of Japan
The Society of Synthetic Organic Chemistry, Japan
The American Association for the Advancement of Science

Editorships

Tetrahedron: Asymmetry, Consulting Editor, 1990-present.
Tetrahedron and Tetrahedron Letters, Consulting Editor, 2003-present.
Organic Syntheses, Board of Editors, 1988-1993, Advisory Board, 1993-present.
Synlett, Board of Editor, 1989-present.
J. Am. Chem. Soc., Editorial Advisory Board, 1994-1999.
J. Chem. Soc., Chem. Commun., Regional Advisory Board, 1994-1996.
Bull. of the Korean Chemical Society, International Advisory Board, 1998-present.
Organic Letters, Advisory Board, 1999-present.
European Journal of Organic Chemistry, Advisory Board, 1999-present.
Encyclopedia of Reagents for Organic Synthesis, International Advisory Board, 1992-1995.
Molecules Online, Springer, 1998-1999.
Topics in Current Chemistry, Springer, 1997-present.
Advanced Synthesis & Catalysis, Advisory Board, 2001-present.
Central European Science Journals, Editorial Board, 2002-present
Bulletin of the Chemical Society of Japan, Editorial Advisory Board, 2005-present
Trends in Organic Chemistry, Editorial Advisory board, 2005-present
Journal of Oleo Science, Editorial Advisory Board, 2001-present.
Chemistry – An Asian Journal, International Advisory Board, 2006-present.
Letters in Organic Chemistry, Editorial Advisory Board, 2006-present.
ARKIVOC Honorary Advisory Board, 2007-present.
Synfacts, Board of Editors, 2002

Academic Awards and Honors

The Chemical Society of Japan Award for Young Chemist, 1977
Organic Reaction Lecturer, 1988
IBM Science Award, 1988
Houkou Award, 1991
Chunichi Award, 1992
Prelog Medal, 1993
Merck-Schuchardt Lectureship, 1994
The Chemical Society of Japan Award, 1995
Toray Science and Technology Award, 1997
Max-Tishler Prize, 1998
Le Grand Prix de la Fondation Maison de la Chimie, 2002
Tetrahedron Chair, 2002
National Prize of Purple Medal (Japan), 2002
Molecular Chirality Award, 2003
Fellow of American Association for the Advancement of Science, 2003
Yamada Prize, 2004
Tetrahedron Prize, 2006
The Karl-Ziegler Professorship, 2006
The Japan Academy Award, 2007
Humboldt Research Award, 2007

Plenary, Keynote, and Honor Lectureships

1979 Pacific Coast Lectureship, USA
1979 PAC Meeting, Honolulu, USA
1982 IUPAC Conference on Organic Synthesis, Tokyo
1983 IUPAC Conference on Organometallic Chemistry Directed Toward Organic Synthesis, France
1984 Annual Meeting of Pharmaceutical Society of Japan, Tokyo
1985 Euchem Stereochemistry Conference at Burgenstock, Switzerland
1985 Annual Meeting of Chemical Society of Japan, Tokyo
1986 Annual Meeting of Chemical Society of Korea, Seoul
1986 Gordon Conference on Stereochemistry, USA
1986 Hoechst Conference on Stereochemistry, Germany
1987 Annual Meeting of Agricultural Society of Japan, Tokyo
1987 IUPAC Conference on Organometallic Chemistry Directed Toward Organic

Synthesis, Canada

- 1987 Organic Synthesis Lecturer, University of California, Berkeley
- 1987 Syntex Distinguished Lecturer, Colorado State University
- 1987 Sheffield Stereochemistry Symposium, UK
- 1987 Western Switzerland 3e Cycle Lecturer, Switzerland
- 1988 Karl Pfister Visiting Professor, MIT, USA
- 1988 First Organic Reaction Lecturer, USA.
- 1988 NATO Conference on Stereochemistry, Greece
- 1988 International Symposium of Acid-Base Catalysis, Sapporo
- 1989 Annual Meeting of Chemical Society of Japan, Kyoto
- 1989 Visiting Professor of Universite Louis Pasteur, Strasbourg
- 1989 11th International Symposium of Synthesis in Organic Chemistry, Oxford, UK
- 1989 Progress and Prospects in Organic Synthesis, Lausanne and Champery, Switzerland
- 1989 PAC Meeting, Honolulu
- 1990 Fifth Japan-Korea Seminar on Organic Chemistry, Dae Jeon , Korea
- 1990 The American Chemical Society, Aldrich Award Symposium, Boston
- 1990 Midwestern Distinguished Lecturer, USA
- 1990 Third Belgian Organic Synthesis Symposium, Louvain-La-Neuve, Belgium
- 1990 Eighth International IUPAC Conference on Organic Synthesis, Helsinki, Finland
- 1990 The Second International Symposium on the Chemical Synthesis of Antibiotics and the Related Microbial Products, Oiso, Japan
- 1990 Annual Meeting of Chemical Society of Japan, Hiroshima
- 1990 Special Symposium of Pharmaceutical Society of Japan, Tokyo
- 1991 Annual Meeting of Pharmaceutical Society of Japan, Tokyo
- 1991 Symposium of Ohio State University, Recent Advances in Asymmetric Synthesis, USA
- 1991 Syntex Distinguished Lecturer at University of Colorado, Boulder, USA
- 1991 First Anglo-Norman Organic Chemistry Colloquium, Rouen, France
- 1991 Japan-US Seminar, Selectivity in Synthetic and Bio-organic Chemistry, Tokyo

- 1991 Otsuka Symposium on Asymmetric Reactions and Molecular Recognition, Tokushima
- 1991 The 1991 Josef Fried Symposium of Bioorganic Chemistry, Chicago
- 1992 Annual Chemical Congress of the Royal Society of Chemistry, Manchester
- 1992 Nozaki Conference, Yokohama
- 1992 Gordon Conference (Organic Reaction Mechanism), New Hampton School
- 1992 7th International Symposium on Molecular Recognition and Inclusion, Kyoto
- 1992 6th Japan-Korea Organic Chemistry Symposium, Nagoya
- 1992 First International Symposium on Organic Synthesis, Tokyo
- 1992 7th Johnson Symposium, Stanford, U. S. A.
- 1992 International Symposium on Inorganic and Organic Chemistry, Taipei, Taiwan
- 1992 Tsing-Hua Symposium on Organic and Inorganic Chemistry, Hsinchu, Taiwan
- 1993 Annual Meeting of Chemical Society of Japan, Tokyo
- 1993 Bader Symposium, Harvard University, Cambridge, U. S. A.
- 1993 Gordon Conference (Natural Product), New Hampton School, U. S. A.
- 1993 Fourth International Symposium on Chiral Discrimination, Quebec, Canada
- 1993 Prelog Medal Lecturer, Zurich, Switzerland
- 1994 Annual Meeting of New Swiss Chemical Society, Switzerland
- 1994 Merck-Schuchardt Lectureship, Germany.
- 1994 The 4th International Conference on Chemical Synthesis of Antibiotics and related Microbial Products, Nashville, U. S. A.
- 1994 Pre-IUPAC International Symposium on Metal-Mediated Organic Synthesis, India
- 1995 Annual Meeting of Chemical Society of Japan, Tokyo
- 1995 Merck-Frosst Lecturer, Alberta University, Canada
- 1995 Enantioselective C-C bond formation in synthesis, SCI, London, UK
- 1995 SFC-Rhone Poulenc Lecturer, France
- 1996 Organic Synthesis Lecturer, University of California, Irvine
- 1996 Annual Conference of Polymer Science, Nagoya, Japan
- 1996 50th Anniversary Conference of Korean Chemical Society, Seoul, Korea
- 1996 Fargo Conference on Main Group Chemistry, North Dakota, USA

1996 ISCHIA Advanced School of Organic Chemistry, Ischia, Italy
1997 Gilbert Stork Lecturer, Columbia University, USA
1997 H.C. Brown Lecturer, Purdue University, USA
1997 36th IUPAC Congress, Geneva, Switzerland
1997 9th International Symposium on Chiral Discrimination, Nagoya, Japan
1997 William G. Dauben Lecturer, University of California, Berkeley, USA
1997 Bio-Mega Lecturer, Montreal, Canada
1997 5th Max Tishler Memorial Symposium, Tokyo
1998 Max Tishler Prize Lecture, Harvard, USA
1998 1998 Hofmann Distinguished Lecture, Imperial College, London, UK
1998 12th IUPAC Conference on Organic Synthesis, Venice, Italy
1998 9th International Symposium on Novel Aromatic Compounds, Hong Kong
1999 Novertis Lectureship, Switzerland
1999 37th IUPAC Congress, Berlin, Germany
1999 218th National meeting of American Chemical Society, New Orleans, USA
2000 Taiwan National Lectureship, Taiwan
2000 Columbia IAP Lecturer, Columbia University, USA
2000 Kharasch Lecturer, University of Chicago, USA
2001 PAC meeting, Honolulu, USA
2001 UCSD-Dupont symposium, La Jolla, USA
2001 84th CSC Conference, Montreal, Canada
2001 Annual Meeting of Chemical Society of Japan, Chiba, Japan
2001 ICCOC-GTL-10, Bordeaux, France
2002 The Nagoya COE-RCMS Conference, Japan
2002 Cram Stereochemistry Symposium, UCLA, USA
2002 BOSS IX Meeting, Namur, Belgium
2002 Gordon Conference, Reaction and Processes, RI, USA
2002 Oppolzer Lectures 2002, Geneve, Switzerland
2003 Otto-Bayser Lecturer 2003, Cologne, Germany
2003 15th International Symposium on Chirality, Shizuoka, Japan
2003 18th International Symposium on Synthesis in Organic Chemistry, Cambridge, U. K.

2003 Komppa Centenary Symposium, Espoo, Finland

2003 Boehringer Ingelheim Lecturer, Alberta, Canada

2004 The 17th Annual Organic Chemistry Day, Missouri, USA

2004 2004 CU-Roche Colorado Symposium on Synthetic Organic Chemistry, Boulder, Colorado

2004 10th Meeting of the French-American Chemical Society, Charleston, SC

2004 CMDS Symposium, Seoul, Korea

2004 The Fourth International Symposium on Chemistry and Biological Chemistry of Vanadium, Szged, Hungary

2004 Pettit Centennial Lecturer, University of Texas

2004 Merck Lecturer, University of Puerto Rico

2005 125th Annual Meeting of Pharmaceutical Society in Japan

2005 Distinguished Merck Frosst Lectureship, Canada

2005 Novartis Lecturer, University of Illinois at Urbana-Champaign

2005 OMCOS-13, Geneva, Switzerland

2005 The 22nd Summer Seminar on Synthetic Organic Chemistry, Japan

2005 Eli Lilly Lecturer, University of Pittsburg

2005 International SFB-Symposium, Aachen, Germany

2005 The 4th COE-Chem6 International Symposium, Tokyo, Japan

2005 PAC Meeting, Inorganic and Polymer sections, Honolulu, USA

2005 PAC Meeting, Polymer Chemistry, Honolulu, USA

2006 COE meeting, Nagoya University, Nagoya Japan

2006 Reilly Lecturer, University of Notre Dame

2006 7th Annual Florida Heterocyclic Conference, Gainesville, USA

2006 Appleton Lecturer, Brown University, USA

2006 Eli Lilly Lecturer, Yale University, USA

2006 Challenges in Contemporary Chemistry Symposium, University of Michigan

2006 Banyu Symposium, Fukuoka, Japan

2006 Balticum Organicum Syntheticum, Tallinn, Estonia

2006 Organocatalysis in Organic Synthesis, Glasgow, UK

2006 FrontChem2006, Zushi, Japan

2006 American Chemical Society, National Meeting, San Francisco

- 2006 5th International Symposium on Chemistry and Biological Chemistry of Vanadium, San Francisco
- 2006 Inaugural Negishi-Brown Lecture, Purdue
- 2006 Merck-Frosst Lecture, Université de Montréal, Canada
- 2006 Novartis Lecturer, Boston College, Boston
- 2006 Karl-Ziegler-Professorship, Max Planck Institute, Germany
- 2006 6th Tateshina conference on Organic Chemistry, Tateshina, Japan
- 2006 10th International Kyoto conference on New Aspects of Organic Chemistry, Japan
- 2006 Pierre Fabre Lecturer, French Chemical Society, Paris, France
- 2007 American Chemical Society, National Meeting, Chicago
- 2007 Organic Chemistry, present and future, Louvain-la-Neuve, Belgium
- 2007 International Conference on Asymmetric Organocatalysis, Otsu, Japan
- 2007 The 29th annual Princeton ACS Fall Organic Symposium, Princeton
- 2007 Invited Lecture Series, Academy of Science of the Czech Republic
- 2007 The 5th Kitasato Chemistry Symposium, Tokyo
- 2007 Organic Synthesis Mini Symposium, Chiba
- 2007 The Japan Academy Prize Symposium, Riken, Japan
- 2008 Mini-symposium of organic synthesis, Chiba, Japan
- 2008 Schulich Symposium on Asymmetric catalysis, Haifa, Israel
- 2008 Roche Distinguished Lecturer, Colorado
- 2008 Bristol-Myers Squibb Lecturer, Berkeley
- 2008 Eli Lilly Lecturer, University of Toronto