

Updated on 2022/07/07

Dr. Hiroshi MASUHARA is one of the most reputable Japanese chemists, awarded The Purple Medal (紫綬褒章) and The Order of Sacred Treasure, Gold Ray with Double Neckless (瑞宝中綬章), honored internationally The Porter Medal (corresponding to Nobel Prize in photochemistry), and Academicians of The Royal Academy of Belgium and National Academy of Sciences India. This is due to his pioneering study on nano/micro molecular systems exploring their new photochemical and photophysical phenomena by developing time-resolved spectroscopy, imaging, and manipulation methods and by elucidating their dynamics and mechanism. He has opened new interdisciplinary area of molecular photo-science, whose results are published as ~560 papers, ~120 reviews, and ~20 books. His pioneering works have attracted many young researchers and graduate students. Now 63 doctors graduated/educated from Masuhara Laboratory/Project and 40 researchers coached in Masuhara Project are working in the relevant areas of molecular photo-science as professors and distinguished researchers in 10 countries including Taiwan.

CURRICULUM VITAE of Dr. Hiroshi MASUHARA

Born in Tokyo on March 29, 1944 as a son of Ryoji and Midori MASUHARA

Education

Ph. D., in chemistry, Osaka University with Prof. Noboru Mataga (1971)

Mc. D., in chemistry, Tohoku University with Prof. Masao Koizumi (1968)

B. A., in chemistry, Tohoku University with Prof. Masao Koizumi (1966)

Academic position

Chair Professor, National Chiao Tung University (2008-present)

Chief Scientist, Hamano Life Science Research Foundation (2007-2008)

Professor Emeritus, Osaka University (2007-present)

Professor, Osaka University (1991-2007)

Professor, Kyoto Institute of Technology (1984-1991)

Research Associate, Osaka University (1972-1984)

Postdoctoral Fellow, Osaka University (1971-1972) with Prof. Noboru Mataga

Academy Members

Foreign Fellow of National Academy of Sciences, India (2010-present)

Foreign Member of Royal Flemish Academy of Belgium (1998-present)

Society Fellows and Honored Doctor

Emeritus member of Japanese Society of Molecular Science (2019 - present)

Emeritus member of Japanese Photochemistry Association (2017 - present)

The Chemical Society of Japan Fellow (2010-present)

IUPAC Fellow (2007 - 2011)

Doctor Honoris Causa de Ecole Normale Supérieure de Cachan, France (2006-2013)

Highly Ranked Governmental Awards (Emperor of Japan)

The Order of the Sacred Treasure, Gold Rays with Neck Ribbon (2017), 瑞宝中綬章

The Purple Ribbon Medal (2008), 紫綬褒章

Scientific Awards and Prizes

Asian and Oceanian Photochemistry Association Award (2010)

Mizushima-Raman Lectureship, JSPS-India DST (2010)

Mukai Prize (2010)

Outstanding Scholar Award of Foundation for the Advancement of Outstanding Scholarship, Taiwan (2008)

Spectroscopic Society of Japan Award (2006)

Porter Medal (European, American and Asian Photochemistry Association) (2006)

The Chemical Society of Japan Award (2006)

Kenjiro SAKURAI Memorial Award, Optical Industrial Technology Development Association (2005)

Osaka Science Prize (1994)

Divisional Award of the Chemical Society of Japan (1994)

Moët Hennessy Louis Vuitton International Prize "Science for Art" Excellence de Da Vinci, France (1993)

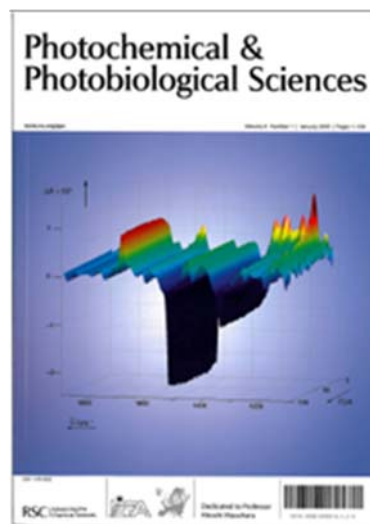
Japanese Photochemistry Association Award (1989)

Society Honor

Masuhara Lectureship Award was started in Asian and Oceanian Photochemistry Conference (2012 - present)

Hiroshi Masuhara Festschrift of J. Phys. Chem. C, American Chemical Society (2009)

Hiroshi Masuhara Special Issue of Photochemical and Photobiological Sciences, Royal Society of Chemistry (2005)



Director of Group Research Project

Research Supervisor, PRESTO Project “Innovative Use of Light and Materials/Life”, JST (Japan Science and Technology Agency) (2008-2015)

Project Director of Grand-in-Aid for Scientific Research on Innovative Area “Molecular Nanodynamics”, Japanese Society for Promotion of Science (JSPS) (2004-2007), $\sim 1 \times 10^9$ JPY

Project Director of Grand-in-Aid for Scientific Research on Innovative Area “Single Organic Nanoparticle”, Japanese Society for Promotion of Science (JSPS) (1998-2001), $\sim 5 \times 10^8$ JPY

Director, Masuhara Microphotoconversion Project, Exploratory Research for Advanced Technology Program, Research and Development Corporation of Japan (1988-1994), $\sim 2 \times 10^9$ JPY

Professional Activity (Society President, Adviser, and Important Committee Member)

Advisor for Australian Research Council Center of Excellence Project “Exciton Science” (2017-2022)

Advisor for Grand-in-Aid for Scientific Research on Innovative Area “Optical Manipulation of Nano Materials”, Prof. Hajime Ishihara Project Leader, Japanese Society for Promotion of Science (JSPS) (2016-2021)

Advisor for Grand-in-Aid for Scientific Research on Innovative Area “Photosynergetics”, Prof. Hiroshi Miyasaka Project Leader, Japanese Society for Promotion of Science

(JSPS) (2014-2019)

Advisor for Institute of Molecular Science, Okazaki, Japan (2013 - 2015)

Advisor for Grand-in-Aid for Scientific Research on Innovative Area “Dynamic Ordering & Integrated Functions”, Prof. Koichi Kato Project Leader, Japanese Society for Promotion of Science

(JSPS) (2013-2018)

Advisor for Grand-in-Aid for Scientific Research on Innovative Area “Strong Light-Matter Interaction”, Prof. Hiroaki Misawa Project Leader, Japanese Society for Promotion of Science

(JSPS) (2007-2011)

Committee Member of INPAC Program, Katholieke Universiteit Leuven, Belgium (2006- 2007)

Executive Committee Member of Chemical Society of Japanese (2007 - 2009)

Associate Member of Science Council of Japan (2006-2012)

Committee Member of Nano Program, Royal Dutch Academy (2003)

Committee Member of IAP Program, Ministry of Education of Belgium (2002 - 2017)

President of Asian and Oceanian Photochemistry Association (2002 - 2004)

President of Japanese Photochemistry Association (2000 - 2001)

Member of IUPAC Photochemistry Commission (1998 - 2001)

Executive Committee Member of Japanese Applied Physics Society (1997 - 2001)

Executive Committee Member of Japanese Photochemistry Association (1992 - 1995, 1998 - 2000)

22 Guest Professorships in Japan, Taiwan, France, Belgium, China, and USA (IBM)

Editor, Editorial Board, and Advisory Board Members in 15 Journals