



# THE OJIMA DISTINGUISHED LECTURESHIP AWARD 2023

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HONORING

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**JOHN F. HARTWIG**

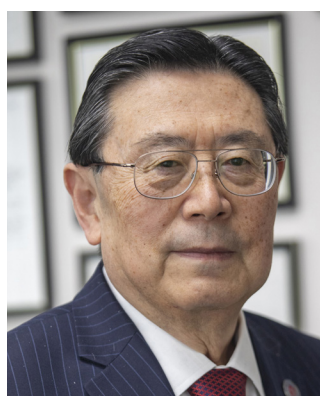
Friday, May 5, 2023

*Presented by the Department  
of Chemistry and ICB&DD*



## The Ojima Distinguished Lectureship Award in Chemistry

As a longstanding and exemplary faculty member dedicated to excellence in research, Distinguished Professor Iwao Ojima wanted to complement his own work with philanthropy and create the Ojima Distinguished Lectureship Award in Chemistry. Established in 2020 to commemorate Ojima's 75th birthday, the award is based on an endowment from the Ojima family to help ensure that eminent scholars can continue to enrich the Department of Chemistry and Stony Brook University. The Ojima family is grateful for the opportunity to strengthen and extend their Stony Brook legacy through this gift.



**Iwao Ojima**

*Distinguished Professor*

*Director, Institute of Chemical Biology and Drug Discovery*

Iwao Ojima's research spans broadly in synthetic organic and medicinal chemistry, as well as in chemical biology and drug discovery with highly reputed achievements. He is also recognized worldwide for his pioneering and innovative works on organometallic chemistry, homogeneous catalysis, catalytic asymmetric synthesis, efficient synthetic methods and methodologies. He has published more than 500 papers and reviews in leading journals, edited 10 books and holds more than 100 patents, including 42 U.S. patents.

Ojima received his BS, MS and PhD degrees from The University of Tokyo, Japan. He was a senior research fellow at the Sagami Institute of Chemical Research until 1983, at which time he joined Stony Brook University's Department of Chemistry as an associate professor. In 1984 he

was appointed professor, then leading professor in 1991 and distinguished professor in 1995. Ojima was the department chair from 1997 to 2003, and has been serving as the founding director for the Institute of Chemical Biology and Drug Discovery since 2003, and as president of the Stony Brook University chapter of the National Academy of Inventors since 2016.

In recognition of his seminal contributions to the chemical sciences, Ojima has received many prestigious honors, including national awards in four subdisciplines from the American Chemical Society: Arthur C. Cope Scholar Award, E.B. Hershberg Award for Important Discoveries of Medicinally Active Substances, ACS Award for Creative Work in Fluorine Chemistry and E. Guenther Award in the Chemistry of Natural Products. He was inducted into the Medicinal Chemistry Hall of Fame of the American Chemical Society, received the Chemical Society of Japan Award and given the Outstanding Inventor Award from the Research Foundation of the State University of New York. Ojima is an elected fellow of the J.S. Guggenheim Memorial Foundation, American Association for the Advancement of Science, New York Academy of Sciences, American Chemical Society, National Academy of Inventors and European Academy of Sciences.

## 2023 AWARD RECIPIENT



**John F. Hartwig**

*Henry Rapoport Professor of Chemistry  
Department of Chemistry, University of California, Berkeley  
Faculty Scientist, Lawrence Berkeley National Laboratory*

John F. Hartwig's research focuses on the discovery and understanding of new reactions for organic synthesis catalyzed by transition metal complexes. He is well known for contributions to widely practiced cross-coupling chemistry that form arylamines, aryl ethers, aryl sulfides, and -aryl carbonyl compounds and for the discovery of practical C-H bond functionalization reactions, in addition to his work on the direct conversion of carbonyl compounds to alpha-aryl carbonyl derivatives, catalysts for the addition of amines alkenes, and highly selective catalysts for the regio and enantioselective amination of allylic carbonates. He has focused on the mechanism and fundamental organometallic chemistry that underpins them, including studies on reductive eliminations to form carbon-heteroatom bonds, oxidative addition of N-H bonds, and olefin insertions into amides and alkoxides.

Since moving to Berkeley, Hartwig has been studying catalysis with artificial metalloenzymes and artificial biosynthetic pathways, as well

### HONORS AND AWARDS

2021

Arthur C. Cope Award

2020

Clarivate Citation Laureate

2019

Wolf Prize in Chemistry

2018

Tetrahedron Prize for Creativity

*in Organic Chemistry Royal Society of Chemistry Fellow*

2015

American Academy of Arts and Sciences Member

2013

Herbert C. Brown Award

*for Creative Research in Synthetic Methods*

2012

National Academy of Sciences Member

2006

ACS Award in Organometallic Chemistry

as conversions of biomass to chemicals and upcycling of polyolefins.

Hartwig has received numerous awards, including the ACS award in Organometallic Chemistry, the H.C. Brown Award for Synthetic Methods, the Janssen Pharmaceutica Prize and the Tetrahedron Prize for Creativity in Organic Synthesis, the Willard Gibbs Medal, the 2019 Wolf Prize in Chemistry, and the 2021 Cope Award. He is the author of the textbook "Organotransition Metal Chemistry: From Bonding to Catalysis."

Hartwig received his A.B. from Princeton University. He received his PhD from U.C. Berkeley with Bob Bergman and Richard Andersen and conducted a postdoctoral fellowship at MIT with Stephen Lippard. In 1992, Hartwig began his independent career at Yale University and became the Irenée P. DuPont Professor in 2004. He moved to the University of Illinois in 2006, where he was the Kenneth L. Rinehart Jr. Professor of Chemistry, and in 2011, returned to U.C. Berkeley as the Henry Rapoport Professor.