

Curriculum Vitae

Name: Iwao Ojima

Title: *University Distinguished Professor*

Education:

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| 1968 B. S. degree | The University of Tokyo |
| 1970 M. S. degree | The University of Tokyo |
| 1973 Ph.D. degree | The University of Tokyo (Prof. Naoki Inamoto) |

Appointments:

1973-1983 Senior Research Fellow and Group Leader, Sagami Institute of Chemical Research
 1983 Associate Professor, Department of Chemistry, State University of New York at Stony Brook
 1984 Professor, Department of Chemistry, State University of New York at Stony Brook
 1989 Professeur invité, Université Claude Bernard Lyon I, Lyon, France
 1991 Leading Professor, State University of New York at Stony Brook
 1995 University Distinguished Professor, State University of New York
 1996 Visiting Professor, The University of Tokyo, Tokyo, Japan
 1997 Visiting Professor, The Scripps Research Institute, La Jolla, CA
 1997 Professeur invité, Université de Paris XI, BIOCIS, Châtenay-Malabry, France
 1997-2003 Chairman, Department of Chemistry, State University of New York at Stony Brook
 2003-present, Director, Institute of Chemical Biology and Drug Discovery, Stony Brook.
 2015-present, President, National Academy of Inventors Stony Brook University Chapter.

Award and Honors:

- The 25th National Young Investigator Award ("Shimpo Sho"), The Chemical Society of Japan, 1976.
- Arthur C. Cope Scholar Award, American Chemical Society, 1994.
- The 51st Chemical Society of Japan Award ("Nihon Kagaku Kai Sho") for distinguished achievements, The Chemical Society of Japan, 1999.
- Emanuel B. Hershberg Award for Important Discoveries in Medicinally Active Substances, American Chemical Society, 2001.
- Outstanding Inventor Award, The Research Foundation of the State University of New York, 2002.
- NYSTAR Faculty Development Award, New York State Office of Science, Technology & Academic Research, 2002.
- ACS Award for Creative Work in Fluorine Chemistry, American Chemical Society, 2013.
- Ernest Guenther Award in the Chemistry of Natural Products, American Chemical Society, 2019.

- ❖ Fellow, John Simon Guggenheim Memorial Foundation, 1995.
- ❖ Fellow, American Association for the Advancement of Science, 1997.
- ❖ Fellow, New York Academy of Sciences, 2000.
- ❖ Fellow, American Chemical Society, "ACS Fellow", 2010
- ❖ Fellow, National Academy of Inventors, "NAI Fellow", 2014.
- ❖ Fellow/Member, European Academy of Sciences, 2020

- ❖ Inductee, American Chemical Society, Medicinal Chemistry Hall of Fame, 2006.

- William and Florence Catacosinos Professor in Cancer Research, Stony Brook Foundation, 1994.
- Leading Professorship, State University of New York at Stony Brook, 1991
- Distinguished Professorship, State University of New York, 1995
- He was invited by the Royal Swedish Academy of Sciences to serve as a nominator for the Nobel prize in chemistry for the years 1990, 1996, 2002, 2014 and 2022.
- Eli Lilly Lecturer, University of Kansas-Lawrence, 1990.
- National Science Council Lecturer, Taiwan, 1990.
- J. Clarence Karcher Lecturer, The University of Oklahoma, 1992.
- George Leshner Lecturer, Rensselaer Polytechnic Institute, 1995.
- Boehringer-Ingelheim Distinguished Lecturer, Colorado State University, 1997.
- Weissberger-Williams Lecturer, Eastman Kodak Co., 1997.

- Dr. H. Martin Friedman University Lecturer, Rutgers, State University of New Jersey, 2001.
- Bristol-Meyers Squibb Distinguished Lecturer, Colorado State University, 2002.
- FMC Discovery Chemistry Lecturer, FMC Corporation, 2003.
- J. Clarence Karcher Lecturer, The University of Oklahoma, 2003.
- Negishi-Brown Lecturer, Purdue University, 2007.
- Ralph A. Raphael Lecturer, University of Glasgow, UK, 2008.
- The Sosnovsky Distinguished Lectureship, University of Wisconsin Milwaukee, 2008.
- Henry J. Shine Lecturer, Texas Tech University, 2009.
- National Science Council Lecturer, Taiwan, 2011.
- The Ohdang Lectureship Award, The Pharmaceutical Society of Korea, Korea, 2012.
- Distinguished Lectureship in Medicinal Chemistry, University of Minnesota, 2013.
- The Ji-Yu Guo Endowment Distinguished Lectureship, Institute of Chemistry and BioMedical Sciences, Nanjing University, 2015
- SUSTech Chemical Sciences Lectureship, Southern University of Science and Technology, 2018

Professional Activities:

(Editor in Chief)

Frontiers in Chemistry: Organic Chemistry (2017-)

(Senior Editor)

Future Medicinal Chemistry (2008-)

(Guest Editor)

- 2006 Drug Resistant Tuberculosis: A Challenge in Chemotherapy, *Curr. Topics Med. Chem.*
- 2007 Modern Molecular Approaches to Drug Discovery, *Acc. Chem. Res.*
- 2007 Modern Natural Products Chemistry in Drug Discovery, *J. Med. Chem.*
- 2014 In-Silico Drug Design and In-Silico Screening, *Molecules*
- 2015 New Generation of Microtubule-Interacting Anticancer Agents, *Molecules*

(Advisory Board)

1. Editorial Advisory Board of *Journal of Molecular Catalysis* (1986-1995)
2. Editorial Advisory Board of *Journal of Organic Chemistry* (ACS) (1995-1999)
3. Editorial Advisory Board of *Organometallics* (ACS) (1996-1998)
4. Editorial Advisory Board of *Current Topics in Medicinal Chemistry* (2002-present)
5. Editorial Advisory Board of *Letters in Drug Design & Discovery* (2003-present)
6. Editorial Advisory Board of *Medicinal Chemistry* (2004-present)
7. Editorial Advisory Board of *Bull. Chem. Soc. Jpn* (2005-present)
8. Editorial Advisory Board of *Anti-Cancer Agents in Medicinal Chemistry* (2006-2015)
9. Basic Science Advisory Board member, Stony Brook University Cancer Center (1999-2010).
10. Stony Brook University Research Park Oversight Board (2007-2011).
11. Cell in Motion – CiM, Cluster of Excellence, University of Muenster, Germany (2012-2017).
12. Advisory Board member, Stony Brook Cancer Center (2014-present).

(Symposia and Conferences)

1. Chairperson, The Stony Brook Symposium on Taxol and Taxotère, "New Hope for Breast Cancer Chemotherapy" Stony Brook, NY, May (1993).
2. Chairperson, Symposium on "Recent Advances in the Chemistry of Taxane and Taxoid Anticancer Agents", 207th American Chemical Society National Meeting, San Diego, CA, March (1994).
3. Chairperson, Symposium on "Fluoroamino Acids and Peptides in Medicinal Chemistry", 210th American Chemical Society National Meeting, Chicago, IL, August (1995).
4. Organizer and Chairperson, Symposium on "New Prospects in Anticancer Agents for the 21st Century" 219th American Chemical Society National Meeting, San Francisco, CA, March (2000).
5. Organizer, Ernest Guenther Award Symposium", 219th American Chemical Society National Meeting, San Francisco, CA, March 2000.
6. Organizer, Ernest Guenther Award Symposium, 229th American Chemical Society National Meeting, San Diego, CA, March (2005).
7. Organizer, Symposium on "Drug Resistant Tuberculosis – Challenge in Chemotherapy", 229th American Chemical Society National Meeting, San Diego, CA, March (2005).
8. Organizer, ACS Award in Organometallic Chemistry Symposium, 231st American Chemical Society National Meeting, Atlanta, GA, March (2006).

9. Organizer, "Modern Natural Products Chemistry and Drug Discovery" Symposium, 231st American Chemical Society National Meeting, Atlanta, GA, March (2006).
10. Organizer, "Ernest Guenther Award Symposium, 233rd American Chemical Society National Meeting, Chicago, IL, March (2007).
11. Organizer, "Modern Molecular Strategies for Tumor-Targeting Drug Delivery", 234th American Chemical Society National Meeting, Boston, MA, August (2007)

(Advisory Committee, Panel Reviewer)

1. Advisory Committee Member, NIH, Medicinal Chemistry (MCHA) Study Section (1988-1992).
2. Ad Hoc Member, Triennial Oversight Committee, Chemistry Division, NSF (1992).
3. Panel Reviewer, Basic Energy Science Program, U. S. Department of Energy (1992).
4. Advisory Committee Member Reserve, NIH (1992-1995).
5. Panel Reviewer, REU Program, Chemistry Division, NSF (1992).
6. Panel Reviewer, NSF Postdoctoral Fellowship in Chemistry (1994).
7. Chemistry and Related Sciences Special Emphasis Panel, NIH, Bioorganic and Natural Product Chemistry (BNP-1) Program (1995).
8. Special Panel Reviewer, NIH, Medicinal Chemistry (MCHA) Study Section (1995).
9. Chemistry and Related Sciences Special Emphasis Panel, NIH, Bioorganic and Natural Product Chemistry (BNP-1) Program (1996).
10. Chemistry and Related Sciences Special Emphasis Panel, NIH, SBIR and STTR Programs (1996).
11. Panel Reviewer, NSF Small Business Innovation Research (SBIR) Program (1997).
12. Special Panel Reviewer, NIH, Medicinal Chemistry (MCHA) Study Section (1998).
13. Special Panel Reviewer, NIH, Medicinal Chemistry (MCHA) Study Section (2001).
14. Special Panel Reviewer, NIH, Bioorganic and Natural Product Chemistry (BNP) Study Section (2002).
15. Panel Reviewer, NCI, Basic & Preclinical Subcommittee IRG (2002).
16. Panel Reviewer, NCI, Basic & Preclinical Subcommittee IRG (2003).
17. Panel Reviewer, NIH, Drug Discovery & Molecular Pharmacology (DMP) Study Section, Oncological Sciences IRG (2004).
18. Panel Reviewer, NCI, National Cooperative Drug Discovery Groups for Cancer (NCDDG) IRG (2004).
19. Special Emphasis Panel Reviewer, NCI, ONC-K Study Section (2005).
20. Special Emphasis Panel Reviewer, NIH, BCMB-B Study Section (2005).
21. Special Emphasis Panel Reviewer, NIH, BCMB-B Study Section (AIR, AED) (Feb. and July 2008)
22. Panel Reviewer, NIH, Synthetic and Biological Chemistry A (SBCA) Study Section (June 2009)
23. Special Emphasis Panel Reviewer, NIH Challenge Grant (June 2009)
24. Panel Reviewer, NIH, SBIR/STTR Cancer Drug Development Study Section (July 2009)
25. Special Emphasis Panel Reviewer, NIH, BCMB-B Study Section (September 2010)
26. Special Emphasis Panel Reviewer, NIH, NIAID Biodefense Study Section (October 2011)
27. Panel Reviewer, NCI, SBIR Contract, Development of Anticancer Agents Study Section (March 2012)
28. Special Emphasis Panel Reviewer, NIH, NIAID Biodefense Study Section (September 2012)
29. Special Emphasis Panel Reviewer, NIH, NCI, SBIR Bridge Award Study Section (June 2013)
30. Special Emphasis Panel Reviewer, NIH, NIAID, CETR Study Section (July/September 2013)
31. Special Emphasis Panel Reviewer, NIH, NCI, OTC Cancer Therapeutics Study Section (January 2014)
32. Research Grants Council of Hong Kong (May 2015)
33. Reviewer, Defense Threat Reduction Agency (DTRA), Fundamental Research to Counter Weapons of Mass Destruction Program (October 2015)
34. Reviewer, Research Council of Norway (October 2015)
35. Reviewer, Oakridge Associated Universities, Florida Department of Health (December 2015)
36. Reviewer, Japan Society for Promotion of Science (JSPS) (February 2016)
37. Reviewer, Defense Threat Reduction Agency (DTRA), Fundamental Research to Counter Weapons of Mass Destruction Program (May 2016)
38. Reviewer, Cottrell Award, Research Corporation for Science Advancement (October 2016)
39. Reviewer, Oakridge Associated Universities, Florida Department of Health (December 2016)
40. Reviewer, NIH REACH Program, Stony Brook University (November 2016)
41. The Wellcome Trust DBT Fellowship Program (August, 2017)
42. Reviewer, Oakridge Associated Universities, Florida Department of Health (December 2017)
43. Reviewer, Oakridge Associated Universities, Pennsylvania Department of Health (December 2017)
44. Reviewer, Oakridge Associated Universities, Florida Department of Health (December 2018)
45. Reviewer, Oakridge Associated Universities, Florida Department of Health (December 2019)
46. Reviewer, Oakridge Associated Universities, Florida Department of Health (December 2020, January 2021)

(American Chemical Society)

1. Executive Committee Member, Division of Organic Chemistry, American Chemical Society (1998-2001).
2. Long Range Planning Committee, Division of Medicinal Chemistry, American Chemical Society (2003-2006).

Consulting:

He has served as a consultant for E. I. du Pont, Eli Lilly, Air Products & Chemicals, Mitsubishi Chem. Corp, Nippon Steel Corp. Life Science Division, Rhone-Poulenc Rorer, ImmunoGen, Inc., Taiho Pharmaceutical Co., Milliken & Co., Aventis Pharma, OSI Pharmaceuticals, Inc., INDENA, SpA, Day Casebeer LLP, Fujian Yew Park Biological Co., Ltd., ChemMaster International, Central Glass Co., Fitzpatrick, Cella, Harper & Scinto, Quinn Emanuel Urquhart & Sullivan, LLP, Ajinomoto Co., Inc., Tayler Wessing LLP, Guidepoint Global Advisors, Paul Hastings LLP.

Memberships

He is a member of American Chemical Society, American Association for the Advancement of Science, American Association for Cancer Research, American Peptide Society, New York Academy of Sciences, Sigma Xi, The Chemical Society of Japan, and Society of Synthetic Organic Chemistry, Japan.

Research Interest and Activities:

His research interests include drug design and discovery (anticancer agents, antibacterial agents, enzyme inhibitors), medicinal chemistry and chemical biology, catalytic asymmetric synthesis, organic synthesis by means of organometallic reagents and catalysts, homogeneous catalysis and organometallic chemistry, peptide and peptidomimetics, β -lactam chemistry, and organofluorine chemistry (fluoroamino acids and peptides, fluorotaxoids, medicinal applications). He has published more than 500 papers and reviews in leading journals and more than 100 patents (46 US patents) granted, edited 10 books, and he has given 142 Plenary and Invited Lectures in international conferences and symposia by May 2024. SciFinder lists more than 1,000 publications to his credit. Google Scholar shows his h-index as 91 and total citation of >36,500 by May 2024. He has also given numerous invited lectures at universities, research institutes, and industries (total >530 since his move to Stony Brook in 1983).

Educational Activity as Thesis and Research Advisor:

He has advised 143 graduate students (78 Ph.D. degrees and 44 M.S. degrees), 73 postdoctoral research associates/fellows, 17 visiting scientists, 127 undergraduate research students, and 81 high school summer research students (most of them won Westinghouse, Intel, Regeneron and Siemens Science Competitions, including Grand Prize) by May 2024.

Selected Plenary and Invited Lectures in International Meetings since 2010 (Total 142):

107. Perugia Fluorine Days: Organofluorine Compounds in Biomedical and Agricultural Sciences, Perugia, Italy, July 11-15, 2010. "Medicinal Chemistry and Chemical Biology of Fluorine-Containing Taxoid Anticancer Agents".
108. 11th Eurasia Conference on Chemical Sciences (EuAsC₂S-11), The Dead-Sea, Jordan, October 6-10, 2010. "Tumor-Targeting Drug Delivery of Chemotherapeutic Agents".
109. 10th Tateshina Conference on Organic Chemistry, Tateshina, Japan, November 12-14, 2010. "Chemistry and Chemical Biology of Tumor-Targeting Anticancer Agents".
110. 2nd World Congress on Catalytic Asymmetric Synthesis (WCCAS-2011), Beijing, China, August 9-11, 2011. "Catalytic Asymmetric Synthesis with Novel Biphenol-Based Chiral Ligands".
111. 2nd International Conference of Medicchem (ICM-2011), Beijing, China, August 9-11, 2011. "Design and Development of "Guided Molecular Missiles" for Tumor-Targeting Chemotherapy".
112. 12th Conférence Universitaire de Suisse Occidentale (CUSO) Summer School, Villars, Switzerland, August 28 – September 1, 2011. "Synthetic Organic Chemistry at the Biomedical Interface".
113. 12th Conférence Universitaire de Suisse Occidentale (CUSO) Summer School, Villars, Switzerland, August 28 – September 1, 2011. "New Strategy for the Rapid Construction of Fused Ring Systems of Biological Interest".
114. 12th Conférence Universitaire de Suisse Occidentale (CUSO) Summer School, Villars, Switzerland, August 28 – September 1, 2011. "Catalytic Asymmetric Synthesis with Novel Biphenol-Based Phosphorus Ligands".
115. International Research Training Group (IRTG) Mini-Symposium, Münster, Germany, November 11, 2011. "Synthetic Organic Chemistry at the Biomedical Interface".
116. 3rd International Symposium on Organofluorine Compounds in Biomedical, Materials and Agricultural Sciences, Valencia, Spain, May 20-24, 2012. "Fluorine-Containing Taxoid Anticancer Agents and Their Tumor-Targeted Drug Delivery".
117. International Convention of The Pharmaceutical Society of Korea, Seoul, Korea, October 23-24, 2012. "Tumor-Targeting Drug Delivery of Chemotherapeutic Agents".
118. International Drug Discovery Science and Technology Conference, Nanjing, China, November 8-10, 2012. "Targeting Prostate, Colon and Breast Cancer Stem Cells with New Generation Taxoids".

119. International Symposium of Drug Delivery Systems, Nanjing, China, November 8-10, 2012. "Tumor-Targeting Drug Conjugates of New Generation Taxoids".
120. 21st Winter Fluorine Conference, American Chemical Society, St. Petersburg, FL, January 13-18, 2013. "Exploration of Fluorine Chemistry at the Biomedical Interface in Perspective - A Personal Account".
121. 245th American Chemical Society National Meeting, New Orleans, LA, April 9-12, 2013. "Exploration of Fluorine Chemistry at the Biomedical Interface".
122. International Fluorine Workshop, Tokyo, Japan, April 13-14, 2013. "Exploration of Fluorine Chemistry at the Biomedical Interface in Perspective".
123. Congress of International Drug Discovery Science & Technology, Therapy and EXPO, Haikou, China, November 13-16, 2013. "New Generation Antibacterial Drug Discovery Targeting Bacterial Cell Division".
124. Congress of International Drug Discovery Science & Technology, Therapy and EXPO, Haikou, China, November 13-16, 2013. "New Generation Taxoid Anticancer Agents and Their Tumor-Targeted Drug Delivery".
125. 4th International Symposium on Organofluorine Compounds in Biomedical, Materials and Agricultural Sciences, "Bordeaux Fluorine Days", Bordeaux, July 6-10, 2014. "Strategic Incorporation of Fluorine into Novel Anti-TB Agents and Anticancer Drug Conjugates for Preclinical Drug Development".
126. 248th American Chemical Society National Meeting, San Francisco, CA, August 10-14, 2014. "New Generation Anti-TB Drug Discovery Targeting *Mtb-FtsZ*".
127. International Symposium of Chemistry and Life Sciences, Jiangyin China, October 16-17, 2014. "Tumor-Specific Guided Molecular Missiles for Next Generation Cancer Chemotherapy".
128. DFG-GRK "Fluorine as a Key Element" Workshop, Berlin, Germany, April 23-24, 2015. "Strategic Incorporation of Fluorine into Bioactive Compounds for Medicinal Chemistry and Chemical Biology Studies - Part I"; "Strategic Incorporation of Fluorine into Bioactive Compounds for Medicinal Chemistry and Chemical Biology Studies - Part II".
129. 21st International Symposium on Fluorine Chemistry, Como, Italy, August 23-28, 2015. "Strategic Incorporation of Fluorine into Novel Tumor-Targeting Drug Conjugates for Preclinical Development Using ¹⁹F NMR and PET imaging".
130. 5th International Symposium on Organofluorine Compounds in Biomedical, Organic Materials and Agriculture Sciences, "Bremen Fluorine Days", Bremen, Germany, July 3-7, 2016. "Strategic Incorporation of Fluorine into Bioactive Compounds for Medicinal Chemistry and Chemical Biology Studies".
131. 23rd Winter Fluorine Conference, American Chemical Society, Clearwater, FL, January 15-20, 2017. "Strategic Incorporation of Fluorine into Bioactive Compounds for Chemical Biology and Drug Discovery".
132. 253rd American Chemical Society National Meeting, San Francisco, CA, April 2-6, 2017. "Strategic Incorporation of Fluorine into Bioactive Compounds for Medicinal Chemistry and Drug Discovery".
133. 17th International Symposium on Drug Delivery Systems, Prague, Czech Republic, July 12-14, 2017. "Next-Generation Taxane Anticancer Agents and Their Tumor-Targeted Delivery".
134. 6th International Symposium on Organofluorine Compounds in Biomedical, Organic Materials and Agriculture Sciences, "Nanjing Fluorine Days", Nanjing, May 20-24, 2018. "Strategic Incorporation of Fluorine into Bioactive Compounds for Medicinal Chemistry and Chemical Biology Studies".
135. 22nd International Symposium on Fluorine Chemistry, Oxford, U.K., July 22-29, 2018. "Strategic Incorporation of Fluorine into Bioactive Compounds for Medicinal Chemistry, Chemical Biology and Drug Discovery".
136. 24th Winter Fluorine Conference, American Chemical Society, Clearwater, FL, January 13-18, 2019. "Strategic Incorporation of Fluorine into Bioactive Compounds, Progress Report".
137. 247th American Chemical Society National Meeting, Orlando, FL, March 31-April 4, 2019. ACS Fluorine Chemistry Award Symposium, "Strategic incorporation of fluorine into bioactive compounds for medicinal chemistry and drug discovery: A progress report".
138. 247th American Chemical Society National Meeting, Orlando, FL, March 31-April 4, 2019. Ernest Guenther Award Symposium, Award Address, "Exploration of the exceptional potential of taxane-class diterpenes at the interface of chemistry, biology and medicine".
139. 25th Winter Fluorine Conference, American Chemical Society, Clearwater, FL, January 16-21, 2022. "Fluorine-containing 3rd-generation taxoids as potent anticancer agents".
140. American Chemical Society, Division of Fluorine Chemistry, 3rd Symposium on "Pioneers of Modern Fluorine Chemistry" online, April 18, 2023.
141. 7th International Symposium on Organofluorine Compounds in Biomedical, Organic Materials and Agriculture Sciences, "Poznan Fluorine Days", Poznan, Poland, June 18-22, 2023, "Fluorine-containing 3rd-Generation Taxoids as Potent Anticancer Agents".
142. American Chemical Society Spring National Meeting, New Orleans, March 17-21, 2024, Fluorine Chemistry Division Symposium Honoring the Career of Professor John T. Welch, "Strategic incorporation of fluorine into bioactive compounds for medicinal chemistry, chemical biology and drug discovery"

Invited Lectures Since 2011 (Total 535 since he moved to Stony Brook in 1983):

453. Johns Hopkins School of Medicine, Department of Pharmacology and Molecular Sciences, Baltimore, MD [March 2, 2011, J. Liu]
454. Colorado State University, Department of Microbiology, Immunology and Pathology, Fort Collins, CO [June 27, 2011, R. A. Slayden]
455. National Chiao-Tung University, Department of Chemistry, Hsin-Chu, Taiwan [August 1, 2011, C.-M. Sun]
456. National Health Research Institutes, Zhu-Nan, Taiwan [August 2, 2011, H.-P. Hsieh]
457. National Chung Cheng University, Department of Chemistry and Biochemistry, Chia-Yi, Taiwan [August 3, H.-J. Chen]
458. National Taiwan University, Department of Chemistry, Taipei, Taiwan [August 5, T.-Y. Luh]
459. Pharmaron Beijing, Beijing, China [August 8, 2011, B. Lou, H. Yang, J. Wei]
460. Swiss Federal Institute of Technology (ETH), Institute of Pharmaceutical Sciences, Zurich, Switzerland [September 2, 2011, K.-H. Altmann]
461. Sanofi-Aventis, Division of Infectious Diseases, Toulouse, France [September 6, 2011, L. Fraisse, G. Courtemanche]
462. The University of Tokyo, Graduate School of Engineering, Tokyo, Japan [October 24, 2011, M. Fujita]
463. Keio University, Department of Chemistry, Yokohama, Japan [October 26, 2011, T. Yamada]
464. Central Glass Co. Ltd., Chemical Research Center, Saitama, Japan [October 27, 2011, T. Kume, Y. Hibino]
465. Ajinomoto Pharmaceuticals, Co., Ltd., Pharmaceutical Research Center, Kawasaki, Japan [October 31, T. Tsuji, K. Sakurai]
466. Hamari Chemicals Ltd., Osaka, Japan [November 7, 2011, T. Takami, H. Moriwaki]
467. Kitasato Institute and University, Tokyo, Japan [January 18, 2012, T. Sunazuka]
468. RIKEN, Advanced Science Institute, Saitama, Japan [January 19, 2012, Z. Hou]
469. Kanagawa University, Faculty of Science, Department of Chemistry, Kanagawa, Japan [January 20, 2012, M. Matsumoto]
470. University of Barcelona, Institute of Organic Chemistry, Barcelona, Spain [May 25, 2012, J. Garcia Gomez]
471. University of Ikerbasque, Department of Chemistry, San Sebastian, Spain [May 29, 2012, V. Soloshonok]
472. Centro de Investigaciones Biologicas (CIB), National Research Council (CSIC), Madrid, Spain [June 1, 2012, J. F. Diaz Pereira]
473. Department of Chemistry, Xiamen University, Xiamen, China [June 21, 2012, Y. Zhao]
474. Haikou Municipal Hospital and Central South University School of Medicine, Haikou, Hainan, China [June 23, 2012, G. Tian]
475. Chungnam National University, College of Pharmacy, Daejeon, Korea [October 24, 2012, S.-H. Jung]
476. The University of Tokyo, Department of Applied Chemistry, Tokyo, Japan [October 30, 2012, M. Fujita]
477. Ajinomoto Pharmaceuticals Co. Ltd., Pharmaceutical Research Center, Kawasaki, Japan [October 31, 2012, T. Tsuji, K. Sakurai]
478. Central Glass Co. Ltd., Chemical Research Center, Kawagoe, Japan [November 1, 2012, Y. Ishi, M. Fujiwara]
479. Shanghai Institute of Materia Medica, Shanghai, China [November 16, 2012, H. Liu]
480. University of Minnesota, Department of Medicinal Chemistry, Minneapolis, MN [September 17, 2013, C. Haskell-Luevano]
481. Rutgers, State University of New Jersey, College of Pharmacy, New Brunswick, NJ [September 24, 2013, E. Lavoie]
482. The University of Tokyo, Graduate School of Chemistry, Tokyo, Japan [November 5, 2013, E. Nakamura]
483. Ajinomoto Pharmaceuticals Co. Ltd., Pharmaceutical Research Center, Kawasaki, Japan [November 7, 2013, K. Sakurai]
484. Central Glass Co. Ltd., Chemical Research Center, Kawagoe, Japan [November 8, 2013, T. Komata]
485. Guangzhou Institutes of Biomedicine and Health, Drug Discovery Pipeline, Guangzhou, China [November 18, 2013, M. Tortorella]
486. Guangzhou Institutes of Biomedicine and Health, Guangzhou, China [November 19, 2013, Ding Ke, M. Tortorella]
487. Sundia MediTech, Shanghai, China [November 21, 2013, J. Zhu]
488. Ecole Polytechnique, Université Paris-Saclay, Palaiseau, France [July 15, 2014, S. Zard]
489. Gakushuin University, Department of Chemistry, Mejiro, Tokyo, Japan [September 24, 2014, T. Akiyama]
490. Tokyo University of Pharmacy and Life Sciences, Hachioji, Tokyo, Japan [September 25, 2014, Y. Hayashi]
491. Ajinomoto Pharmaceuticals Co. Ltd., Pharmaceutical Research Center, Kawasaki, Japan [October 29, 2014, K. Sakurai]
492. Central Glass Co., Ltd., Chemical Research Center, Kawagoe, Japan [October 30, 2014, T. Komata]
493. Kitasato Institute and Kitasato University Graduate School, Sirogane, Tokyo, Japan [Nov. 5, 2014, T. Sunazuka]
494. The University of Tokyo, Graduate School of Pharmaceutical Sciences, Hongo, Tokyo, Japan [Nov. 6, 2014, M. Kanai]
495. Kyoto University, Department of Synthetic and Biological Chemistry, Katsura, Kyoto, Japan [Nov. 8, 2014, M. Murakami]

496. Queens College – City University of New York, Department of Chemistry and Biochemistry, Queens, New York [March 16, 2015, H. Gafney, Y. Chen]
497. Institute of Chemistry and BioMedical Sciences, Nanjing University, Nanjing, China [July 21, 2015, G. Li]
498. Shanghai Jian-Tong University, School of Chemistry and Chemical Engineering, Shanghai, China [July 23, 2015, W. Zhang]
499. Diichi Sankyo, Co. Ltd., Drug Discovery Chemistry Research Center, Shinagawa, Tokyo, Japan [Oct. 26, 2015, M. Nagamochi]
500. Central Glass Co., Ltd., Chemical Research Center, Kawagoe, Japan [Oct. 29, 2015, M. Yasumoto]
501. Ajinomoto Pharmaceuticals Co. Ltd., Pharmaceutical Research Center, Kawasaki, Japan [Oct. 30, 2015, M. Tokumasu]
502. The University of Tokyo, Graduate School of Chemistry, Hongo, Tokyo, Japan [Nov. 6, 2015, H. Suga]
503. RIKEN, Advanced Science Institute, Wako, Saitama, Japan [Oct. 18, 2016, M. Sodeoka]
504. Kitasato Institute and Kitasato University Graduate School, Sirogane, Tokyo, Japan [Oct. 24, 2016, T. Sunazuka]
505. Central Glass Co., Ltd., Chemical Research Center, Kawagoe, Japan [Oct. 27, 2016, A. Ishii]
506. Ajinomoto, Co., Inc., Research Center, Kawasaki, Japan [Oct. 28, 2016Y. Tanaka]
507. The University of Tokyo, Graduate School of Applied Chemistry, Hongo, Tokyo, Japan [Nov. 2, 2016, M. Fujita]
508. The Charles University, Third Faculty of Medicine, Prague, Czech Republic [July 13, 2017, J. Kovar]
509. The Czech National Institutes of Public Health, Toxicology Unit, Prague, Czech Republic [July 17, 2017, P. Soucek]
510. Selvita, S.A., Krakow, Poland [July 20, 2017, C. Commandeur]
511. Tsukuba University, Tsukuba, Japan [October 25, 2017, J. Ichikawa]
512. The University of Tokyo, Graduate School of Pharmaceutical Sciences, Hongo, Tokyo, Japan [October 27, 2017, T. Kanai]
513. Ajinomoto Co. Inc., Central Research Center, Kawasaki, Japan [October 31, 2017, K. Ohsumi]
514. Central Glass, Chemical Research Center, Kawagoe, Japan [November 2, 2017, A. Ishii]
515. Guangzhou Institute for Biomedicine and Health (GIBH), Guangzhou Science City, Guangdong, China [January 8 and 10, 2018, M. Tortorella]
516. Southern University of Science and Technology (SuSTech), Shenzhen, Guangdong, China [May 31, 2018, C.-C. Li]
517. Manhattan College ACS, Bronx, NY [September 26, 2018, J. McCullagh, M. Skuriat]
518. Central Glass, Chemical Research Center, Kawagoe, Japan [October 23, 2018, A. Ishii, T. Komata]
519. Kitasato Institute for Life Sciences and Graduate School of Infection Control Sciences, Kitasatao University, Sirogane, Tokyo, Japan [Oct. 24, 2018, T. Sunazuka, S. Omura]
520. The University of Tokyo, Department of Applied Chemistry, Hongo, Tokyo, Japan [October 25, 2018, M. Fujita]
521. Ajinomoto Co. Inc., Innovation Research Center, Kawasaki, Japan [October 30, 2018, K. Ohsumi]
522. State University of New York at Geneseo, Department of Chemistry, Geneseo, New York [November 9, 2019, K. Yokoyama]
523. The Friends of University of Tokyo Headquarters, Manhattan, New York City, NY [March 16, 2019, M. Yamada]
524. RIKEN, Cluster for Pioneering Research & Center for Sustainable Resource Science, Wako, Saitama, Japan [October 21, 2019, M. Sodeoka]
525. Central Glass, Chemical Research Center, Kawagoe, Saitama, Japan [October 23, 2019, A. Ishii, T. Komata]
526. Gakushuin University, Department of Chemistry, Mejiro, Tokyo, Japan [October 28, 2019, T. Akiyama]
527. Tokyo Institute of Technology, Department of Chemistry, Ookayama, Tokyo, Japan [October 30, 2019, K. Suzuki]
528. The University of Tokyo, Department of Chemistry, Hongo, Tokyo, Japan [October 31, 2019, H. Isobe]
529. St. John's University, Department of Pharmaceutical Sciences, Queens, New York [October 12, 2020, S. Reznik]
530. South Eastern University, Department of Natural Sciences, Lakeland, Florida [March 18, 2021, R. Salbarore]
531. State University of New York College at Old Westbury, Chemistry and Physics Department, Old Westbury, New York [November 3, 2022, Y. Kim]
532. FS Creation Laboratory, The University of Tokyo, Kashiwanoha, Chiba, Japan [October 23, 2023, M. Fujira]
533. RIKEN, Cluster of Pioneering Research, Wako, Saitama, Japan [October 25, 2023, M. Sodeoka]
534. Central Glass, Fundamental Chemical Research Center, Kawagoe, Saitama, Japan [November 1, 2023, A. Ishii]
535. The University of Tokyo, Department of Chemistry, Hongo, Tokyo, Japan [November 2, 2023, H. Suga]

In addition to these invited lectures, he and his laboratory members and collaborators regularly present papers at the American Chemical Society's National Meetings, ACS Winter Fluorine Conference.