

# American Chemical Society (ACS) on Campus Osaka University (2019)

## Featured Speakers



### **Yukishige Ito, Ph.D.**

Associate Editor, ACS Chemical Biology  
Director and Chief Scientist, Synthetic Cellular Chemistry Laboratory,  
RIKEN

Dr. Yukishige Ito received his Ph.D. degree from the University of Tokyo (Pharmaceutical Sciences, 1977). He then moved to RIKEN where he has been building his career for almost 40 years, as Research Scientist, Senior Scientist and Chief Scientist. He is now Director and Chief Scientist at Synthetic Cellular Chemistry Laboratory, RIKEN. Dr. Ito has played important roles nationally and internationally, including President of International Carbohydrate Organization, (2010-2012), President of Japan Society for Carbohydrate Research (2013-2015), and Research Director of ERATO “Glycotriology” Project, led by Japan Science and Technology Agency (2009-2015). He also received numerous awards, such as Roy L. Whistler International Award in Carbohydrate Chemistry (2008), Takeda Award for International Achievement (2010), and Synthetic Organic Chemistry Award, Japan (2017).



### **Akira Harada, Ph.D.**

Distinguished Professor, Osaka University

Prof. Akira Harada gained his PhD at Osaka University in 1977, spent at IBM research as a visiting scientist, followed by a postdoctoral fellow at Colorado State University. He became an assistant professor in 1982, and full professor in 1998 at Osaka University. He became a distinguished professor in 2013 at Osaka University and now a specially appointed professor of Osaka University (the Institute of Scientific and Industrial Research). He is the recipient of some awards, including the IBM Science Award, Osaka Science Award, Japan Polymer Science Award, Cyclodextrin Society Award, Izatt-Christensen International Award, Chemical Society Award, and the Medal with Purple Ribbon from the Japanese Government.



**Takeharu Nagai, Ph.D.**

Editorial Advisory Board, *ACS Sensors*  
Distinguished Professor, The Institute of Scientific and Industrial  
Research, Osaka University

Prof. Takeharu Nagai is an Editorial Board of Biophysics and Physicobiology. He is a Distinguished Professor of Osaka University. His research focuses on development of molecular probes for bioimaging by engineering both fluorescent and bioluminescent proteins. As a principal investigator of Grant-in-Aid for Scientific Research on Innovative Areas “Singularity Biology”, he is struggling to decipher how few number element (DNA, protein, virus and cell, etc) can make a singularity which triggers explosive change in biological system. His laboratory is also trying to make innovations based on glowing plants made by introducing the genes encoding the bioluminescent proteins. These electrical power free lightning devices could change our life style in the near future.



**Jodie L. Lutkenhaus**

Deputy Editor, *ACS Applied Polymer Materials*  
William and Ruth Neely Faculty Fellow and an  
Associate Professor in the Artie McFerrin  
Department of Chemical Engineering at Texas A&M  
University

Jodie L. Lutkenhaus is the William and Ruth Neely Faculty Fellow and an Associate Professor in the Artie McFerrin Department of Chemical Engineering at Texas A&M University. Lutkenhaus received her B.S. in Chemical Engineering in 2002 from The University of Texas at Austin and her Ph.D in Chemical Engineering in 2007 from Massachusetts Institute of Technology. Following a postdoctoral position at University of Massachusetts Amherst, she joined the faculty at Yale in 2008. In 2010, she moved to Texas A&M University and was promoted to Associate Professor in 2015. Current research areas include polyelectrolytes, redox-active polymers, energy storage, and anti-corrosion coatings. She has received recognitions including World Economic Forum Young Scientist, Kavli Fellow, NSF CAREER, AFSOR YIP, 3M Non-tenured Faculty Award. She is the 1st Vice Chair of the AIChE Materials Engineering & Sciences Division. Lutkenhaus is the Deputy Editor of *ACS Applied Polymer Materials*. She also serves on the Editorial Advisory Boards for *ACS Macro Letters*, *Macromolecules*, *ACS Applied Nano Materials*, *Molecular Systems Design & Engineering*, and *Materials Today*.



**Prabhat Verma, Ph.D.**

Editorial Advisory Board, *ACS Photonics*

Professor, Department of Applied Physics, Osaka University

Prabhat Verma is a Professor at the Department of Applied Physics of Osaka University, the Chair of the JSPS Core-to-Core Program and a Secretary of the Photonics Division of the Japan Society of Applied Physics (JSAP). He has served several international scientific societies in various capacities, including being one of the Directors and Executive Directors of JSAP. He received his Masters from IIT Kanpur and Doctorate from IIT Delhi in India, after which he went for post-doctoral research in Germany and in Japan. Prof. Verma is one of the leaders in the fields of photonics, plasmonics, nanospectroscopy, and nanoimaging. He has published in high ranked journals, has written several book chapters, review articles and has delivered more than 60 Plenary, Keynote and Invited talks in various international conferences. He is currently an Editor of *Optics Communications*, a member of the Editorial Board of *Scientific Reports* and a member of the Editorial Advisory Board of *ACS Photonics*.