

SEMINARS

Prof AYELE, Belay
Department of Plant Science, University of Manitoba, Manitoba,
Canada
“Insights into the Role of Jasmonate in Regulating Seed Dormancy
in Wheat”
1 Jun 2023

Prof. BLACKBURN, Jeffrey
National Renewable Energy Laboratory (NREL), the U.S.
“Mixed-Dimensionality Nanoscale Heterojunctions for Energy
Harvesting and Opto-Electronic Technologies”
24 November 2023

Assoc Prof BROERE, Daniël L. J.
Institute for Sustainable and Circular Chemistry, Utrecht Univer-
sity, the Netherlands
“Are Two Better than One? The Exploration of “Expanded
Pincer” Ligands in Combination with Group 8 Metals in Hydro-
carbon Activation and Homogeneous Catalysis”
10 August 2023

Prof CUMMINS, Christopher C.
Department of Chemistry, Massachusetts Institute of Technology,
the U.S.
“Phosphorus-Element Bond-Forming Reactions from Pn to
Phosphinidene Group Transfer”
15 September 2023

Prof DESTARAC, Mathias
Université Toulouse 3 Paul Sabatier, France
“Tailored Polyvinylamines by RAFT”
2 August 2023

Prof EMORI, Satoru
Virginia Polytechnic Institute and State University, Virginia, the
U.S.
“Damping and Spin-Orbit Torques in Vertically Graded Fe-Ni
Films”
9 May 2023

Prof FAN, Xin
University of Denver, Colorado, the U.S.
“Spin Current Generation in Ferromagnetic Metals”
3 March 2023

Assoc Prof FERRIER, Robert C., Jr.
Michigan State University, Michigan, the U.S.
“Facile Epoxide Polymerizations with Sustainable Aluminum
Catalysts”
18 January 2023

Prof FINOCCHIO, Giovanni
University of Messina, Italy
“High Performance Spintronic Devices for Microwave Technology
and Computing”
26 May 2023

Prof FRATH, Denis
Laboratoire de Chimie, ENS Lyon, CNRS, France
“Photoredox Control of Electron-Responsive and Conductive
Supramolecular Materials Based on Viologens”
16 November 2023

Assist Prof FUKUI, Norihito
Graduate School of Engineering, Nagoya University, Nagoya,
Japan
“Creation of Novel π -Conjugated Molecules with the Search
Space inside the Molecular Skeleton”
27 July 2023

Dr. GALBIATI, Massimo
Institute of Agricultural Biology and Biotechnology, CNR, Milano,
Italy
“Deciphering the Transcriptional Regulation of Stomatal Activity”
22 November 2023

Specially Appointed Prof HIGUCHI, Yoshiki
University of Hyogo, Hyogo, Japan
“Elemental Cycling Strategy by Organisms”
30 October 2023

Prof HILLEBRANDS, Burkard
TU Kaiserslautern, Germany
“Advances in Coherent Magnonics”
24 May 2023

Assoc Prof HINGAMP, Pascal
Aix-Marseille University, France
“Environmental Genomics: Bioinformatics Methods to Estimate
Biodiversity from Metagenomes”
20 March 2023

Assoc Prof HINGAMP, Pascal
Aix-Marseille University, France
“Hands-on Introduction to Bioinformatics”
4-8, 11-12, 25 September 2023

Prof HO, Rong-Ming
National Tsing Hua University, Taiwan
“Well-Ordered Nanonetwork Materials from Block Copolymer
Templates for Metamaterial Applications”
7 July 2023

Dr HO, Tung-Yuan
Research Center for Environmental Changes, Academia Sinica,
Taiwan
“The Solubility and Deposition Flux of East Asian Aerosol
Metals in the East China Sea: The Effects of Aeolian Transport
Processes”
11 September 2023

Dr HSIEH, Chih-Chiang
Research Center for Environmental Changes, Academia Sinica,
Taiwan
“The Contribution of East Asian Aerosol Metals in the Ocean:
Sources, Transformation Processes and Deposition Fluxes”
2 October 2023

Prof HWANG, Chanyong
Korea Research Institute of Standards and Science, Korea, R
“Magnetic Skyrmion”
17 October 2023

Prof ILIES, Laurean
RIKEN, Saitama, Japan
“Catalyst Design for Selective and Efficient Reactions”
2 June 2023

- Dr IMADA, Hiroshi
Surface and Interface Science Laboratory, RIKEN, Wako, Japan
“Developing Various Dimer Systems Based on Single-Molecule Manipulation Techniques and Evaluation of Their Optical Properties”
19 October 2023
- Prof ISOBE, Hiroyuki
The University of Tokyo, Tokyo, Japan
“Organic Chemistry: From the Basics to the Current Style”
1 June 2023
- Prof ISOBE, Hiroyuki
The University of Tokyo, Tokyo, Japan
“Phenine Nanocarbon Molecules”
2 June 2023
- Prof ISOBE, Hiroyuki
The University of Tokyo, Tokyo, Japan
“Organic Chemistry: From Structure and Synthesis to Boundaries”
20 November 2023
- Prof ISOBE, Hiroyuki
The University of Tokyo, Tokyo, Japan
“Supramolecular Science of Nanocarbon Molecules”
21 November 2023
- Dr. KAKSIS, Edgar Vienna
Vienna University of Technology, Austria
“Scaling of Peak and Average Power in Femtosecond Ytterbium Amplifiers”
9 March 2023
- Prof KIHARA, Daisuke
Purdue University, the U.S.
“Building and Validating Biomolecular Structure Models for cryo-EM Maps Using Deep Learning”
28 June 2023
- Prof KOBAYASHI, Toshihide
Centre National de la Recherche Scientifique (CNRS), France
“Regulatory Proteins for the Asymmetric Distribution of Sphingomyelin”
25 May 2023
- Prof LIAN, Tianquan
Department of Chemistry, Emory University, Georgia, the U.S.
“Structure and Dynamics at Metal Electrode/Electrolyte Interface Probed by In situ Electrochemical Surface Enhanced/Selective Vibrational Spectroscopy”
8 May 2023
- Prof. LIN, Hao-Wu
National Tsing Hua University, Taiwan
“Perovskite Optoelectronic Devices: Solar Cells and Beyond”
5 July 2023
- Prof LIU, Hongbin
The Hong Kong University of Science and Technology, China P.R.
“Diversity and adaptation of Synechococcus in Estuarine Waters”
20 January 2023
- Prof MARGETIĆ, Davor
Ruđer Bošković Institute, Croatia
“The Reactivity of Guanidine Substituted Furans and Pyrroles in Cycloaddition Reactions”
11 September 2023
- Prof MARTIN-VACA, Blanca
Paul Sabatier University and Centre national de la Recherche Scientifique, France
“Cooperative Catalysis with Pd and Pt Pincer Complexes”
3 March 2023
- Prof MINDIOLA, Daniel J.
Department of Chemistry, University of Pennsylvania, the U.S.
“New Developments in Low-Valent and Early Transition Metal Ions, Metal-Ligand Multiple Bonds, and Catalytic Reactions Involving Methane”
11 July 2023
- Prof NAKAI, Madoka
Tokyo University of Agricultural and Technology, Tokyo, Japan
“Frontiers of Insect Virus Research Contributing to Pesticide Reduction and Training the Next Generation of Researchers”
27 December 2023
- Prof NAKANO, Ken *et al.*
Yokohama National University, Yokohama, Japan
“SRT Basic Seminar (Series of 8 Sessions)”
6-30 July 2023
- Prof NGUYEN, Thuc-Quyen
Department of Chemistry & Biochemistry, University of California Santa Barbara, California, the U.S.
“Designing Organic Semiconductors for Energy Generation and Infrared Sensing”
11 December 2023
- Dr NISHIMURA, Masaki
Technology Research Institute of Osaka Prefecture, Osaka, Japan
“A Researcher’s Life in Public Testing Research Institute: between Industry, Technology, and Science”
26 May 2023
- Prof NOMURA, Nobuhiko
Faculty of Life and Environmental Sciences, University of Tsukuba, Ibaraki, Japan
“Emergence of Bacterial Community Formation and Sociality”
30 January 2023
- Prof OGASAWARA, Masamichi
Department of Natural Science, Graduate School of Science and Technology, Tokushima University, Tokushima, Japan
“Enantioselective Catalytic Synthesis of Chiral Transition Metal Complexes”
27 January 2023
- Dr. OGAWA, Satoshi
Botany and Plant Sciences Faculty, University of California, Riverside, California, the U.S.
“Molecular Basis for Host Tropism in Orobanchaceae Parasitic Plants”
21 November 2023
- Prof. POPMINTCHEV, Tenio
University of California San Diego, the U.S.
“Quantum Optics Meets Strong Field Physics: Novel Regimes of Coherent X-Ray Generation with Strong Electron Correlation Dynamics and Attosecond Rabi Oscillations”
12 December 2023
- Prof RIVARD, Eric
Department of Chemistry, University of Alberta, Alberta, Canada
“Frustrated Lewis Pair (FLP) Chelation for Main Group Materials Synthesis”
8 March 2023

- Assist Prof RUBIO, Vicente
Centro Nacional de Biotecnología, CSIC, Madrid, Spain
“Dangerous Liaisons: COP1 and DET1 Regulatory Loops in Controlling Plant Development”
12 October 2023
- Assist Prof SADIQ, Nausheen W.
Department of Chemistry, Mount Royal University, Canada
“Evaluating Risk to Human Health Associated with Microplastics, Contaminated Soils, Waters and a Variety of Food Samples at the Elemental Level Using ICP-MS”
9 March 2023
- Prof SAITO Hiroaki
Atmosphere and Ocean Research Institute, The University of Tokyo, Tokyo, Japan
“Prochlorococcus in the Indian Ocean”
20 January 2023
- Assoc Prof SAKAI, Munetoshi
Ibaraki University, Ibaraki, Japan
“Functional Evaluation Method for Dynamic Wettability on Solid Surfaces”
28 August 2023
- Assoc Prof SARAKONSRI, Thapanee
Department of Chemistry, Faculty of Science, Chiang Mai University, Thailand
“Enhanced Electrochemical Performance of Nanocomposite Anode Materials with High Energy Density, Ultrafast-Charging and Stable Cycling for High-Efficiency Li-Ion Batteries”
5 June 2023
- Prof. SASAMORI, Takahiro
University of Tsukuba, Ibaragi, Japan
“Introduction of Single Crystal X-ray Diffraction Analysis -Key Points to Consider When Facing Analytical Challenges-”
14 June 2023
- Dr SATO, Yuya
Environmental Management Research Institute, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Ibaraki, Japan
“Emergence of Unique Biological Functions Triggered by Microbe-Driven Interspecific Relationships”
17 November 2023
- Prof SCHELER, Ulrich
Leibniz-Institut für Polymerforschung Dresden e. V., Germany
“NMR Studies for Complex Polymer Materials”
30 October 2023
- Dr. SHI, Dongbo
Institute for Biochemistry and Biology, University of Potsdam, Potsdam-Golm, Germany
“Identification of Cambium Stem Cells and Their Dynamics”
26 July 2023
- Prof SUNAGAWA, Shinichi
Institute of Microbiology and Swiss Institute of Bioinformatics ETH Zurich, Germany
“The Ocean Microbiome as a Treasure Trove for Novel Taxa, Enzymes and Bioactive Compounds”
25 July 2023
- Prof TABOR, Alethea
Department of Chemistry, University College of London, the U.K.
“Liposome-Based Theragnostic Nanoparticles for Cancer Imaging, Nucleic Acid and Drug Delivery”
5 September 2023
- Lect TASHIRO, Yosuke
College of Engineering, Shizuoka University, Shizuoka, Japan
“Diversity of Bacterial Membrane Vesicles and the Molecular Basis for the Regulation of Vesicle Production”
17 May 2023
- Prof TCHORZEWSKI, Marek
Department of Molecular Biology, Institute of Biological Sciences, Maria Curie-Skłodowska University, Poland
“Ribosome: A Multifaceted Nano-Machine”
28 June 2023
- CNRS Research Fellow THILI, Anis
University of Lyon 1, France
“Valorization of Greenhouse Gases: CO₂, SF₆ and Beyond”
30 October 2023
- Prof TOKUYAMA, Hidetoshi
Tohoku University, Miyagi, Japan
“Novel Oxygen Oxidation Reaction and Unprotected Peptide Dimerization and its Application to Alkaloid Synthesis”
21 November 2023
- Assist Prof TSUCHIDO, Yoshitaka
Faculty of Science Division I, Tokyo University of Science, Tokyo, Japan
“Synthesis and Functions of Cyclic π -Conjugated Compounds via Macrocyclic Gold Complexes”
26 May 2023
- Prof VAZQUEZ, Manuel
Spanish National Council for Research, Spain
“Cylindrical Magnetic Micro and Nanowires: from Topology Effects of Curvature to Sensing Applications”
26 May 2023
- Prof WATERMAN, Rory
University of Vermont, California, the U.S.
“Metal-Catalyzed Routes to Low-Valent Main Group Fragments”
8 May 2023
- Prof WECKWERTH, Wolfram
University of Vienna, Austria
“Multiomics, AI and Data-Driven Inverse Modelling - from Environmental Sciences to Molecular Medicine”
16 November 2023
- Prof WEITZ, Joshua
University of Maryland, the U.S.
“Marine Viral Dynamics: Lessons from an Imperfect Predator”
7 July 2023
- Prof WIRTH, Thomas
Cardiff University, the U.K.
“New Opportunities for Flow Electrochemistry”
27 September 2023
- Prof YAMAKOSHI, Yoko
Department of Chemistry and Applied Biosciences, ETH Zurich, Zurich, Switzerland
“Water-Soluble Fullerene Materials and Their Photosensitising Activity”
5 December 2023
- Prof. ZHANG, Deqing
Institute of Chemistry, Chinese Academy of Sciences, China P.R.
“New Conjugated Molecules for Organic and Polymeric Semiconductors”
11 December 2023