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Author(s)	
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# SEMINARS

Prof AJAYAGHOSH, Ayyappanpillai  
CSIR-NIST, India  
“Self-Sorted Donor-Acceptor Assemblies”  
19 October 2016

Prof AKIYAMA, Yutaka  
Tokyo Institute of Technology, Tokyo, Japan  
“Massively Parallel Bioinformatics Computing on K-computer, Tsubame, and Azure: Metagenome Analysis and Exhaustive Protein-Protein Interaction Prediction”  
1 July 2016

Assoc Prof AU, Kin Fai  
University of Iowa, U.S.A.  
“Transcriptome Analysis at the Gene Isoform Level Using Hybrid Sequencing”  
11 October 2016

Prof BERKESSEL, Albrecht  
Department of Chemistry, University of Cologne, Cologne, Germany  
“Carbene Catalysis and the Breslow Intermediate”  
1 March 2016

Dr BURLINA, Fabienne  
Laboratoire des Biomolécules, UMR 7203, Université P. et M. Curie - CNRS – ENS, Paris, France  
“Design and Study of Cyclic Cell-Penetrating Peptides”  
25 October 2016

Prof CHEN, Hongyu  
Nanyang Technological University (Nanjing Tech University), Singapore (China, P.R.)  
“Exploiting Polymer in Nanosynthesis”  
19 December 2016

Dr CHEN, Sophia  
Laboratoire d'utilisation des Lasers Intenses, Ecole Polytechnique, France  
“What Would You Do with  $10^{22}$  W/cm<sup>2</sup> Laser Intensities?”  
1 July 2016

Mr. CHENG, Didier  
Laboratoire des Biomolécules, UMR 7203, Université P. et M. Curie - CNRS – ENS, Paris, France  
“Comparative Studies between Antimicrobial Peptides and Cell-Penetrating Peptides”  
25 October 2016

Prof CLAYDEN, Jonathan  
School of Chemistry, University of Bristol, Bristol, U.K.  
“Unconventional Reactivity from Organolithium Compounds”  
25 April 2016

Dr CONWAY, Timothy  
Institute of Geochemistry and Petrology, Department of Earth Sciences, ETH Zürich, Switzerland  
“Investigating the Role of Dust in the Marine Iron Cycle Using Iron Isotopes”  
8 July 2016

Prof DE LA HIGUERA, Colin Manuel  
University of Nantes, Nantes, France  
“Machine Learning is about Intelligent Forgetting”  
14 April 2016

Senior Researcher ENAMI, Shinichi  
National Institute for Environmental Studies, Ibaraki, Japan  
“Physical Chemistry on an Interfacial Phenomena: (1) Mechanism of a Chemical Reaction at an Air/Liquid Interface”  
19 December 2016

Dr ENDO, Hisashi  
Hokkaido University, Hokkaido, Japan  
“Contrasting Biogeography and Diversity Patterns between Diatoms and Haptophytes in the Central Pacific Ocean”  
22 December 2016

Dr FUCHS, Julien  
LULI, Ecole Polytechnique, CNRS, CEA, UPMC, France  
“Intense Laser Pulses and Strong Magnetization as Tools for Investigating Astrophysical Phenomena”  
1 July 2016

Assoc Prof FURUMI, Seiichi  
Faculty of Science Division I, Department of Applied Chemistry, Tokyo University of Science, Tokyo, Japan  
“Soft Photonic Devices Using Polymeric Self-Organization”  
27 October 2016

Dr GOLOVKO, Vladimir  
Department of Chemistry, Canterbury University, New Zealand  
“Uncovering Structure-property Relationship: From Studies of Pure and Supported Metal Clusters Colloids to Their Use in Catalysis and Sensing”  
6 July 2016

Assoc Prof GROMIHA, M. Michael  
Indian Institute of Technology Madras, India  
“Protein Interactions: Integrating Computational Methods and Experimental Data for Understanding the Binding Specificity”  
24 November 2016

Assist Prof HAMA, Tetsuya  
Institute of Low Temperature Science, Hokkaido University, Hokkaido, Japan  
“Physical Chemistry on an Interfacial Phenomena: (2) Hydrogen-bonding Dynamics of H<sub>2</sub>O Molecules at a Cryogenic Temperature”  
19 December 2016

- Prof HAMADA, Hiroki  
Department of Life Science, Okayama University of Science,  
Okayama, Japan  
“Organic Synthesis by Plant Cell Culture”  
16 April 2016
- Prof HASSAGER, Ole  
Technical University of Denmark, Denmark  
“Applications of Controlled Filament Stretching in Extensional  
Rheology”  
5 February 2016
- Researcher HENDEL, Gregor  
Zuse Institute Berlin, Berlin, Germany  
“How to Solve Integer Optimization Problems with SCIP”  
21 June 2016
- Dr HERVE, Marie  
Karlsruhe Institute of Technology, Germany  
“Spin Polarized Scanning Tunneling Microscopy: From Probing Non  
Collinear Magnetic Configuration to the Investigation of Their High  
Frequency Dynamic Properties”  
18 August 2016
- Prof HOVEYDA, Amir H.  
Department of Chemistry, Boston College, U.S.A.  
“New Concepts, Catalysts and Methods for High-Impact Chemical  
Synthesis”  
4 November 2016
- Dr ILLIEN, François  
Laboratoire des Biomolécules, UMR 7203, Université P. et M. Curie  
- CNRS – ENS, Paris, France  
“A New Method to Quantify Cell-Penetrating Peptides Translocation  
in Cells Based on Fluorescence: Application to Penetratin, R9 and  
Tat”  
25 October 2016
- Dr INGLESON, Michael  
The University of Manchester, U.K.  
“Direct Electrophilic Borylation for the Synthesis of Emissive Boron  
Materials and C(sp<sup>2</sup>)-Boronate Esters”  
11 March 2016
- Mr. ISHIDA, Toshinori  
Division of Quantum Science and Engineering Faculty of  
Engineering, Hokkaido University, Hokkaido, Japan  
“Development and Measurement of The Small-Angle Scattering  
Device in The Neutron Source with The Compact Accelerator”  
20 September 2016
- Prof ITO, Kimihito  
Hokkaido University, Hokkaido, Japan  
“Combining Population Genetics of Pathogens and Epidemiology of  
Infectious Diseases”  
4 October 2016
- Prof JANEŽIČ, Dušana  
University of Primorska, Slovenia  
“Protein Binding Sites Dynamics in Drug Discovery”  
16 November 2016
- Dr JOHNSON, Brett C.  
School of Physics, The University of Melbourne, Australia  
“Single Photon Sources in Silicon Carbide”  
23 September 2016
- Dr JUNGFLEISCH, Benjamin  
Argonne National Laboratory, U.S.A.  
“Spin-torque Driven Magnetization Dynamics”  
30 November 2016
- Assist Prof KAGEYAMA, Yoshiyuki  
Department of Chemistry, Faculty of Science, Hokkaido University,  
Hokkaido, Japan  
“Mimic of Nature-Interdisciplinary Research between Mechanical  
Property and Dissipative Ordered Structure”  
5 August 2016
- Senior Researcher KINO, Koichi  
Research Institute for Measurement and Analytical Instrumentation,  
National Institute of Advanced Industrial Science and Technology,  
Ibaraki, Japan  
“Pulse Neutron Beam Imaging of The Lithium Ion Rechargeable  
Battery”  
20 September 2016
- Prof KLAUI, Mathias  
University of Mainz, Germany  
“Topology in Magnetic Materials”  
25 November 2016
- Prof KNAPP, Ernst-Walter  
Free University of Berlin, Germany  
“ProPairs: A Data Set for Protein–Protein Docking”  
4 August 2016
- Prof LEMIÈGRE, Loïc  
Ecole Nationale Supérieure de Chimie de Rennes, France  
“Chemical and Chemoenzymatic Synthesis of Glycolipids”  
7 November 2016
- Prof MURAYAMA, Masafumi  
Center for Advanced Marine Core Research, Kochi University,  
Nankoku, Japan  
“What Occurred on the Shallow and Deep Seafloor by the Great East  
Japan Earthquake 2011?”  
2 December 2016
- Dr MUROOKA, Yoshie  
Laboratory for Ultrafast Microscopy and Electron Scattering, École  
Polytechnique Fédérale de Lausanne (EPFL), Switzerland  
“Filming Plasmonic Field and Magnetic Dynamics in Real Space and  
Time using ultrafast TEM”  
12 July 2016
- Dr NAKANISHI, Waka  
MANA, National Institute for Materials Science, Ibaraki, Japan  
“Control of Molecular Structure at Interfaces”  
28 June 2016
- Assist Prof OTANI, Misato  
Graduate School of Biological Sciences, Nara Institute of Science  
and Technology, Nara, Japan  
“Regulation of RNA Metabolism Related with Efficient Plant  
Regeneration”  
22 January 2016
- Prof OZAWA, Takeaki  
School of Science, The University of Tokyo, Tokyo, Japan  
“Luminescent Sensors and Optical Switches for Single Cell Analysis”  
28 January 2016

Dr RUBIO, Vicente  
Centro Nacional de Biotecnología-CSIC, Madrid, Spain  
“ABA Strikes Back: Inhibition of Plant CRL4 Ubiquitin Ligases Mediated by ABA”  
28 November 2016

Assoc Prof SAEKI, Takayuki  
High Energy Accelerator Research Organization, Ibaragi, Japan  
“Production of the Superconducting Cavity”  
10 October 2015

Prof SANDAA, Ruth-Anne  
Bergen University, Norway, Norway  
“Marine Viruses: Small but Important”  
26 September 2016

Dr SCHAPER, Andreas Karl  
Philipps University of Marburg, Germany  
“Microscopy of Distortion in Crystals and of Hierarchical Ordering in Macromolecular Systems”  
14 October 2016

Prof SCHWECHHEIMER, Claus  
Plant Systems Biology, Technische Universität München, Freising, Germany  
“PIN-ning Down the Function of D6PK Protein Kinases in Auxin Transport”  
28 November 2016

Prof SHIMIZU, Hirohiko M.  
Laboratory for Particle Properties, Department of Physics, Nagoya University, Aichi, Japan  
“The Transmission Imaging by Stable Neutron Source”  
15 January 2016  
“Construction of the Core Technology of a Compact Neutron Source for the Industrial Application”  
11 March 2016

Dr SHINANO, Yuji  
Zuse Institute Berlin, Germany  
“Towards Using over a Million CPU Cores to Solve Previously Unsolved Mixed Integer Programming Problem Instances”  
21 June 2016

Dr SONG, Jiangning  
Monash University, Clayton, Australia  
“Systematic Identification of Secreted Effector Proteins of Bacterial Secretion System IV: A Bioinformatics Study”  
30 November 2016

Prof STANG, Peter J.  
The University of Utah, U.S.A.  
“Abiological Self-Assembly: Predesigned Metallacycles and Metallacages via Coordination”  
22 April 2016

Dr TESILEANU, Ovidiu  
Extreme Light Infrastructure - Nuclear Physics, Czech R.  
“Project of Extreme Light Infrastructure for Nuclear Physics in Czech Republic”  
25 May 2016

Prof WANG, Yuan  
College of Chemistry and Molecular Engineering, Peking University, China, P.R.  
“Molecular Engineering of Functional Systems based on Nanoparticles”  
16 September 2016

Dr YAMAMOTO, Kei  
University of Mainz, Germany  
“Spin Torque and Fluctuation-dissipation at FM-AFM Tunneling Junctions”  
18 November 2016

Dr YAMAMOTO, Noboru  
Eisai Co., Ltd., Ibaraki, Japan  
“Drug Discovery Created by Chemists-From Drug Design to Biomarker”  
20 May 2016

Prof YAMANAKA, Masahiro  
Department of Chemistry, Rikkyo University, Tokyo, Japan  
“Investigation of Stereoselectivity in Organocatalysis: Toward Rational Design Based on Transition-State Model”  
8 December 2016

Prof YANG, Jinn-Moon  
National Chiao Tung University, Hsinchu, Taiwan  
“NetPharmacology for Drug Discovery and Applications”  
20 April 2016

Dr YASUDA, Nobuyoshi  
Merck Research Institute, MERCK&CO., INC., U.S.A.  
“The Art of Process Chemistry”  
8 November 2016

Assoc Prof ZHU, Shanfeng  
Fudan University, China, P.R.  
“DeepMeSH and MeSHLabeler: Recent Progress in Large-scale MeSH Indexing”  
29 August 2016  
“DrugE-Rank: Improving Drug-target Interaction Prediction of New Candidate Drugs or Targets by Ensemble Learning to Rank”  
2 September 2016

Dr ZINOVYEV, Andrei  
Computational Systems Biology of Cancer group, Institut Curie, France  
“The Shortest Path is not the One You Know: Application of Biological Networks in Precision Oncology Research”  
13 December 2016