

SEMINARS

Assoc Prof ABE, Fumiyoshi
College of Science and Engineering, Aoyama Gakuin University,
Tokyo, Japan
“Function of Eicosapentaenoic Acid in a Piezophilic Bacterium,
Shewanella violacea DSS12”
22 July 2011

Prof ADACHI, Chihaya
Kyushu University, Japan
“Novel Organic Light Emitting Diodes Using Delayed Fluores-
cence and Molecular Orientation”
28 January 2011

Prof AJAYAGHOSH, Ayyappanpillai
National Institute for Interdisciplinary Science and Technology,
Kerala, India
“Fluorescent π -Gelators and Their Application”
31 August 2011

Prof AKAJI, Kenich
Kyoto Pharmaceutical University, Japan
“Synthesis and Evaluation of Protease Inhibitors Based on Peptide
Chemistry”
20 December 2011

Prof ASANDEI, Alexandru D.
University of Connecticut, U.S.A.
“Living Radical and Ring Opening Polymerizations with Early
and Late Transition Metals”
5 October 2011

Prof BAUMGARTNER, Thomas
Department of Chemistry, Centre for Advanced Solar Materials,
University of Calgary, Canada
“Conjugated Phosphaorganics —From Organometallics to Organic
Electronics and Self-Assembled Nanomaterials”
15 November 2011

Dr BONO, Hidemasa
Database Center for Life Science, Research Organization of
Information and Systems, Japan
“Developing Application Technology for Large-scale Database
in Database Center for Life Science”
21 November 2011

Prof BUCKEL, Wolfgang
Max Planck Gesellschaft, Marburg, Germany
“Electron Bifurcation, an Emerging Type of Energy Conservation
in Anaerobic Bacteria and Archaea”
19 October 2011

Prof CHEN, Cheng-Hsuan
Center for Condensed Matter Sciences, National Taiwan University,
Taiwan
“Electron Energy-Loss Spectroscopy in Reciprocal and Real Space”
21 October 2011

Prof CHENG, Richard
Department of Chemistry, National Taiwan University, Taiwan
“Effect of Highly Fluorinated Amino Acids on Protein Secondary
Structure Stability”
30 August 2011

Prof CUNNINGHAM, Michael
Queen's University, Canada
“Aqueous Nanoparticle Dispersions and Stimuli Responsive
Polymer Colloids Using Carbon Dioxide Switchable Surfactants”
3 October 2011

Dr DEBUIGNE, Antoine
University of Liège, Belgium
“Organometallic-mediated Radical Polymerization: Mechanistic
Investigation and Synthetic Achievement”
24 September 2011

Prof DIBO, Gabor
Institute of Chemistry, Eotvos Loránd University, Hungary
“Microwave Technology for Drug Discovery and Peptide Syn-
thesis”
12 December 2011

Dr FISCHER, Peter
Center for X-ray Optics, Lawrence Berkeley National Laboratory,
Berkeley, U.S.A.
“Magnetic Soft X-ray Microscopy: A Path towards Imaging
Magnetism Down to Fundamental Length and Time Scale”
19 July 2011

Prof FRISHMAN, Dmitrij
Technische Universität München, Germany
“Exploring the Fold Space of Membrane Proteins”
11 October 2011

Prof HOMMA, Kensuke
Graduate School of Science, Hiroshima University, Hiroshima,
Japan
“Explore the Physics of Vacuum Using High-intensity Lasers”
5 October 2011

Prof HOU, Xue-Long
Shanghai Institute of Organic Chemistry, China, P.R.
“The Journey of Pd-Catalyzed Asymmetric Allylic Alkylation”
10 March 2011

Dr ISHIDA, Yasuhiro
Advanced Science Institute, RIKEN, Saitama, Japan
“Asymmetric Synthesis and Optical Resolution by Using Chiral
Solvent”
10 November 2011

Dr ITO, Kiyokazu
Graduate School of Advanced Sciences of Matter, Hiroshima
University, Higashi-Hiroshima, Japan
“Cooling Experiments of $^{40}\text{Ca}^+$ at Hiroshima University”
17 November 2011

- Dr IWAMOTO, Reikichi
NIR Research Institute, Japan
“Water in Perfluorinated Sulfonic Acid Nafion Membranes”
22 November 2011
- Dr JAMESON, Robert A
Goethe University, Frankfurt, Germany
“Space-Charge Physics Design Technique for Linear Accelerators”
28 November 2011
- Dr JENG, U-Ser
National Synchrotron Radiation Research Center, Hsinchu, Taiwan
“Chain Pre-ordering and Mesomorphic Domains Revealed by SAXS/WAXS/DSC in the Cold/Melt Crystallization Process of Several Homopolymers”
30 May 2011
- Prof JURKSCHAT, Klaus
Lehrstuhl für Anorganische Chemie II, Technische Universität Dortmund, Germany
“Intramolecular Donor-Acceptor Interactions in Main Group Element Compounds. From Academic Curiosity and Industrial Application”
5 December 2011
- Dr KARASUYAMA, Masayuki
Tokyo Institute of Technology, Japan
“Optimal Solution Path Algorithm for Machine Learning: Analytical Approach to Solving Support Vector Machines”
26 September 2011
- Dr KAWANABE, Motoaki
Fraunhofer FIRST and TU Berlin, Germany
“Classifying Visual Objects with Many Kernels”
21 April 2011
- Prof KENNEDY, Brendan
The University of Sydney, Australia
“Unnatural Chemistry-Solid State Chemistry with Isotopes”
15 July 2011
- Prof KIM, Gyung-Tae
Department of Molecular Biotechnology, Dong-A University, Busan, Korea, R.
“Toward the Elucidation of Roles of Cell Division and Cell Proliferation during Plant Development”
21 July 2011
- Assoc Prof KIMURA, Seisuke
Faculty of Life Sciences, Kyoto Sangyo University, Kyoto, Japan
“Research on the Diversity of Plant Leaf Morphology”
4 March 2011
- Dr KRIVANEK, Ondrej
Nion, U.S.A.
“Aberration Corrected STEM”
24 October 2011
- Prof LEE, Kyeong
College of Pharmacy, Dongguk University, Seoul, Korea, R.
“Development of Small Molecules Targeting HIF (Hypoxia Inducible Factor)-1 α Pathway as Potential Anticancer Agents”
28 November 2011
- Prof LEE, Hyun-Woo
Department of Physics, Pohang University of Science and Technology, Korea, R.
“Giant Spin Motive Force Due to Spin-orbit Coupling”
3 October 2011
- Prof LIPKOWSKI, Jacek
Department of Chemistry and Biochemistry, University of Guelph, Guelph, Canada
“Building Biomimetic Membrane at a Gold Electrode Surface”
5 September 2011
- Prof LIU, Shih-Yuan
Department of Chemistry, University of Oregon, U.S.A.
“Developing the Basic Science and Applications of Boron(B)-Nitrogen(N) Containing Heterocycles”
12 December 2011
- Prof LIU, Shih-Tzung
Department of Chemistry, National Taiwan University, Taipei, Taiwan
“Di- and Trinuclear Metal Complexes Based on Chelating 1,8-Naphthridine Ligands–Synthesis and Catalysis”
25 August 2011
- Prof LU, Yixin
National University of Singapore, Singapore
“Amino Acid-Based Organic Catalysts for Enantioselective Reactions”
20 July 2011
- Dr MORISAKI, Tatsuya
NCI-NIH, Laboratory of Receptor Biology and Gene Expression, U.S.A.
“Effects of Reversible Fluorescence Quenching on FRAP and Development of a Correction Model”
11 October 2011
- Prof MURAI, Toshiaki
Faculty of Engineering, Gifu University, Gifu, Japan
“Development of New Reactions and New Compounds by Using Properties of Chalcogen-containing Double Bonds”
13 May 2011
- Prof MÜLLER-PLATHE, Florian
Eduard-Zintl-Institut für Anorganische und Physikalische Chemie, Technische Universität Darmstadt, Darmstadt, Germany
“Multiscale Simulation and Dynamical Properties”
23 September 2011
- Prof NAGASHIMA, Hideo
Institute for Material Chemistry and Engineering, Kyusyu University, Fukuoka, Japan
“Development of Highly Active Catalysts for Reduction of Amides with Hydrosilanes”
22 February 2011
- Dr NAKAMURA, Yuki
Max Planck Institute for Plant Breeding Research, Köln, Germany
“Diverse Function of Membrane Lipids in Higher Plants”
25 March 2011
- Dr NAKAYAMA, Naomi
Institute of Plant Sciences, University of Bern, Bern, Switzerland
“Mechanical Regulation of Auxin Mediates Organ Growth Control”
21 April 2011
- Dr OHKUBO, Zenmei
Beckman Institute, University of Illinois at Urbana-Champaign, U.S.A.
“Spontaneous Binding and Insertion of Membrane-Anchoring Proteins Captured by a Highly Mobile Membrane Mimetic (HMMM) Model”
1 August 2011

Prof OIKAWA, Hideaki
Faculty of Science, Hokkaido University, Hokkaido, Japan
“Synthesis of Natural Products and Their Derivatives Using Biosynthetic Machinery”
19 July 2011

Prof OKAMOTO, Hiromi
Graduate School of Advanced Sciences of Matter, Hiroshima University, Higashi-Hiroshima, Japan
“Generation and Stabilization of Extreme Charged Particle Beam”
3 October 2011

Prof ORITA, Akihiro
Department of Applied Chemistry and Biotechnology, Okayama University of Science, Okayama, Japan
“Synthesis and Function of Fluorine Substituted Hybrid Organic Molecules”
23 February 2011

Prof OTTOSSON, Carl Henrik
Department of Chemistry, Uppsala University, Sweden
“Design and Synthesis of σ -, σ/π and Metal/ π -conjugated Compounds for Molecular Electronics”
3 February 2011

Prof PIETRUSIEWICZ, K. Michal
Department of Organic Chemistry, Maria Curie-Skłodowska University, Poland
“Bicyclo[3.3.0]octane Structural Motif in P-Stereogenic Phosphine Ligand Design”
28 June 2011

Assist Prof SATO, Kengo
Department of Biosciences & Informatics-Faculty of Science and Technology, Keio University, Kanagawa, Japan
“Fast and Accurate Predictions of RNA Structures Using Integer Programming”
15 June 2011

Prof SCHWARZ, Helmut
Institut für Chemie, Technische Universität Berlin, Germany
“Chemistry with Methane: Concepts Rather than Recipes”
15 September 2011

Prof SEGI, Masahito
School of Chemistry, College of Science and Engineering, Kanazawa University, Kanazawa, Japan
“Efficient Construction of Selenium-containing Double Bonds and Application for Synthesis of Novel Heterocyclic Compounds”
10 June 2011

Prof SENTOKU, Yasuhiko
Department of Physics, University of Nevada, Reno, U.S.A.
“Enabling Numerical Modeling of Extreme-intensity Laser Produced Hot Dense Plasma”
6 July 2011

Assist Prof SUMIYAMA, Kenta
Division of Population Genetics, National Institute of Genetics, Mishima, Japan
“Understanding the Role of ‘Transcriptional Regulation Mechanisms Evolution’ on ‘Vertebrate Morphology Evolution’, through Mouse Transgenesis Analyses”
6 October 2011

Prof TAKADA, Shinji
Okazaki Institute for Integrative Bioscience, National Institute for Basic Biology, Aichi, Japan
“The Role of Fibronectin in the Morphogenesis of Vertebrate Embryos”
16 March 2011

Prof TANI, Keita
Department of Arts and Science, Osaka Kyoiku University, Osaka, Japan
“Development of Functional Carbazole Derivatives”
4 November 2011

Assist Prof TOMINAGA, Rumi
Interdisciplinary Research Organization, Miyazaki University, Miyazaki, Japan
“Analyses of MYB Transcription Factors that Regulate the Epidermal Cell Differentiation of *Arabidopsis thaliana*”
2 September 2011

Dr UCHIHASHI, Takashi
National Institute for Material Science, Japan
“Quantum Confinement Effect and Superconductivity at the Surface of Solid State Materials”
20 October 2011

Prof UDAKA, Keiko
Department of Immunology, Kochi Medical School, Japan
“Development of a Peptide Immunotherapy for Malignant Tumors”
29 June 2011

Prof VARNEK, Alexandre
Laboratory of Chemoinformatics, University of Strasbourg, France
“Chemical Space: Design, Visualization and Navigation”
18 November 2011

Prof WANG, Ming-Wei
Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai, China, P.R.
“Reversal of Obesity and Insulin Resistance by a Non-Peptidic Glucagon-Like Peptide-1 Receptor Agonist in Diet-Induced Obese Mice”
23 August 2011

Prof WATERMAN, Rory
Department of Chemistry, The University of Vermont, Vermont, U.S.A.
“Zirconium-Mediated Bond Formation: Method, Molecules, and Materials”
22 April 2011

Dr WIENGMOON, Amporn
Department of Physics, Faculty of Science, Naresuan University, Thailand
“Effect of Heat Treatment on Microstructure and Properties of Cast Al-Si-Cu Alloy”
18 April 2011

Prof WU, Jishan
Department of Chemistry, National University of Singapore, Singapore
“Low Band Gap Polycyclic Aromatic Compounds: From Closed-shell Near Infrared Dyes to Open-shell Radicals”
22 December 2011

Prof WÜRTHWEIN, Ernst-Ulrich
Organisch-Chemisches Institut, Westfälische Wilhelms-Universität,
Germany
“Electrocyclization Reactions under Superelectrophilic Conditions:
Experiments and Theory”
8 October 2011

Dr YAMADA, Yoichi
Advanced Science Institute, RIKEN, Saitama, Japan
“Catalytic System Inspired by Biological Cell and Tissue”
10 November 2011

Prof ZHOU, Huarong
The Chinese Academy of Sciences, Shanghai, China, P.R.
“Type 2 Diabetes, Is It an Intestinal Disease?”
13 September 2011

Dr ZIMMERMANN, Frank
CERN, Switzerland
“LHC Performance and Future Plans”
22 July 2011