

**The Chinese University of Hong Kong
Department of Chemistry
Research Seminar Series (2019)**

January 2019

Date	Time	Venue	Speaker	Title
January 8 (Tuesday)	2:30 p.m.	L3 Science Centre	Professor Anant Ramakant Kapdi Department of Chemistry Institute of Chemical Technology India	Phosphatriazenes: Versatile Ligands for Bio-active Molecules Modification via Sustainable Palladium Catalysis
January 9 (Wednesday)	10:30 a.m.	L5 Science Centre	Professor Minh Le Department of Biomedical Sciences City University of Hong Kong	Harnessing extracellular vesicles from red blood cells for a novel RNA drug delivery platform
January 21 (Monday)	4:30 p.m.	L1 Institute of Chinese Studies	Professor Tobin J. Marks Department of Chemistry Northwestern University	Surface Science Meets Homogeneous Catalysis. Surfaces as Activators and Ligands
January 22 (Tuesday)	3:00 p.m.	L3 Science Centre	Professor Peng Yang School of Chemistry and Chemical Engineering Shaanxi Normal University	Amyloid-Inspired Protein Assembly and Interfacial Materials
January 23 (Wednesday)	4:30 p.m.	TY Wong Hall 5/F, Ho Sin Hang Engineering Building	(1) Professor Tan Weihong 譚蔚泓 院士 (2) Professor Guo Zijian 郭子建 院士	(1) The Foundation of Molecular Medicine: A Chemical Biology Approach (2) Chemical Biology of Metals and Metallodrugs
January 24 (Thursday)	10:30 a.m.	LT2 Lady Shaw Building	Professor Bradley D. Olsen Department of Chemical Engineering Massachusetts Institute of Technology	Quantifying Molecular Defects and Relaxations in Polymeric Networks
January 24 (Thursday)	2:30 p.m.	Room C2 Lady Shaw Building	Professor Masaya Sawamura Department of Chemistry Hokkaido University Japan	Non-covalent Interactions in Enantioselective C–H Transformations
January 25 (Friday)	4:30 p.m.	L1 Science Centre	Professor Bradley D. Olsen Department of Chemical Engineering Massachusetts Institute of Technology	Where Do Our Materials Come From, and Where Do They Go?
January 30 (Wednesday)	2:30 p.m.	Room 158 Science Centre	Professor Duo Wu College of Chemistry, Chemical Engineering and Materials Science Soochow University	Uniform Functional Microparticles Tailored by Micro-Fluidic Spray Granulation Technology

March 2019

Date	Time	Venue	Speaker	Title
March 7 (Thursday)	11:00 a.m.	Room 158 Science Centre	Professor Liang Gaolin Department of Chemistry University of Science and Technology of China	Employing Self-Assembly For Biomedical Imaging Applications
March 8 (Friday)	2:00 p.m.	LT2 Lady Shaw Building	(1) Professor Redouane Borsali (2) Professor Serge Cosnier University Grenoble Alpes, CNRS France	(1) Carbohydrate Block Copolymer Self-Assemblies: Nanoparticles and Highly Nanostructured Thin Films (2) Biomaterials based on carbon nanotubes and polymers for the design of electrochemical biosensors and enzymatic fuel cells
March 15 (Friday)	4:30 p.m.	L1 Science Centre	Professor Burkhard König Faculty of Chemistry and Pharmacy University of Regensburg Germany	Visible Light Photocatalysis: Basic concepts, recent advances and future perspectives
March 22 (Friday)	4:30 p.m.	L1 Science Centre	Professor Junji Ichikawa Department of Chemistry University of Tsukuba Japan	Metal-Catalyzed C–F Bond Activation via Fluorine Elimination
March 25 (Monday)	4:30 p.m.	L1 Institute of Chinese Studies	Professor Gregory C. Fu Norman Chandler Professor of Chemistry Department of Chemistry and Chemical Engineering California Institute of Technology	Nucleophilic Substitution Reactions: A Radical Alternative to SN1 and SN2 Reactions
March 27 (Wednesday)	4:30 p.m.	L1 Science Centre	Professor Chien-Hong Cheng Department of Chemistry National Tsing Hua University Taiwan	Metal-Catalyzed C-H Functionalization for the Direct Synthesis of Pyridinium-Type Compounds and Their Application
March 28 (Thursday)	2:30 p.m.	Room C4 Lady Shaw Building	Prof. Tiger H. Tao State Key Laboratory of Transducer Technology Shanghai Institute of Microsystem and Information Technology CAS	The perfect marriage of bioelectronics and biomaterials via advanced manufacturing

April 2019

Date	Time	Venue	Speaker	Title
April 11 (Thursday)	2:30 p.m.	Room C5 Lady Shaw Building	Professor S. Ramakrishnan Department of Inorganic and Physical Chemistry Indian Institute of Science, Bangalore	Immiscibility-driven Folding of Synthetic Polymers – Accessing sub-10 nm scale microphase separation

May 2019

Date	Time	Venue	Speaker	Title
May 3 (Friday)	4:30 p.m.	L1 Institute of Chinese Studies	Professor William D. Jones Department of Chemistry University of Rochester U.S.A.	Cleavage and Formation of Carbon-Carbon Bonds at Transition Metal Centers: Elucidating Factors that Control Selectivity
May 10 (Friday)	4:30 p.m.	LT1 Lady Shaw Building	Professor Xuhui Huang Department of Chemistry The Hong Kong University of Science and Technology	Constructing Markov State Models to Elucidate the Functional Conformational Changes of Complex Biomolecules
May 15 (Wednesday)	2:30 p.m.	Room 104 Y.C. Liang Hall	Professor Yoshiji Takemoto Graduate School of Pharmaceutical Sciences Kyoto University	Organocatalyzed Reactions Directed Toward Natural Product Synthesis
May 16 (Thursday)	10:30 a.m.	Room 106 Y.C. Liang Hall	Professor Hidemitsu Uno Executive Director and Vice President Ehime University Japan	Preparation and properties of large oligopyrrolic pi- systems
May 17 (Friday)	2:30 p.m.	G18 Basic Medical Science Building	Professor Yoshiji Takemoto Graduate School of Pharmaceutical Sciences Kyoto University	Design of Bifunctional Thiourea Catalysts for Asymmetric Reactions
May 24 (Friday)	2:30 p.m.	Room 103 Y.C. Liang Hall	Professor Hua Zhang Department of Chemistry City University of Hong Kong	Phase Engineering of Novel Nanomaterials

June 2019

Date	Time	Venue	Speaker	Title
June 14 (Friday)	2:30 p.m.	Room 104 Y.C. Liang Hall	Professor Thomas Wirth School of Chemistry Cardiff University	Iodine Reagents in Synthesis and Flow Chemistry
June 19 (Wednesday)	10:30 a.m.	Room 106 Y.C. Liang Hall	Professor Rebecca R. Pompano Department of Chemistry and Biomedical Engineering University of Virginia	Bioanalytical chemistry in living tissue
June 20 (Thursday)	4:30 p.m.	Room G03 Y.C. Liang Hall	Professor Xiaoling Wei State Key Laboratory of Transducer Technology Shanghai Institute of Microsystem and Information Technology Chinese Academy of Sciences	Decoding Brain Signals Based on Ultra-Flexible Bioelectronics
June 21 (Friday)	10:30 a.m.	Room 106 Y.C. Liang Hall	Professor Lei Zhu Department of Macromolecular and Chemical Science and Engineering Case Western Reserve University	Polymer Brush-Grafted Silica Nanoparticles
June 21 (Friday)	2:30 p.m.	Room 104 Y.C. Liang Hall	Professor Zhaohui Wang Department of Chemistry Tsinghua University	Nano-Carbon Imides: Precise Synthesis and Applications
June 26 (Wednesday)	10:30 a.m.	Room 104 Y.C. Liang Hall	Professor Chris Le Director, Analytical and Environmental Toxicology Division University of Alberta, Canada	Bioanalytical development enabling studies of arsenic health effects
June 27 (Thursday)	2:30 p.m.	Room G06 Y.C. Liang Hall	Professor Xianjin Xiao Institute of Reproductive Health, Tongji Medical College Huazhong University of Science and Technology	Thermodynamics and kinetics guided DNA probe design for uniformly sensitive and specific DNA hybridization without optimization
June 28 (Friday)	2:30 p.m.	Room 104 Y.C. Liang Hall	Professor Zhixiang Yu College of Chemistry Peking University	Proton Transfer Mechanisms and Developing Ring Formation Reactions

July 2019

Date	Time	Venue	Speaker	Title
July 10 (Wednesday)	10:30 a.m.	Room 106 Y.C. Liang Hall	Professor Jason England School of Physical and Mathematical Sciences Nanyang Technological University	A talk of two halves: ligand redox noninnocence in highly oxidized carbodicarbene complexes, and exploring the oxidative reactivity of superoxocopper(II)
July 11 (Thursday)	2:30 p.m.	Room 106 Y.C. Liang Hall	Professor Lei Zhou School of Chemistry and Chemical Engineering Sun Yat-Sen University	Picking two out of three: visible light promoted dual C-F bond cleavage in a CF ₃ group
July 12 (Friday)	2:30 p.m.	Room 103 Y.C. Liang Hall	Professor Jian Zhou School of Chemistry and Molecular Engineering East China Normal University	Enantioselective Functionalization of Fully Substituted C=N Double Bond
July 15 (Monday)	2:30 p.m.	Room G04 Y.C. Liang Hall	Professor Kazuo Takimiya Department of Chemistry Tohoku University	Design of Thienoacene Based Organic Semiconductors: from Molecules to Molecular Solids
July 17 (Wednesday)	10:30 a.m.	Room 103 Y.C. Liang Hall	Professor Daniel Tomasz Gryko Institute of Organic Chemistry Polish Academy of Sciences	Pyrrolo[3,2-b]pyrroles – Electron-rich Functional Heterocycles
July 19 (Friday)	2:30 p.m.	Room 103 Y.C. Liang Hall	Professor Qingxia Liu Faculty of Engineering University of Alberta	Coalescence or Bounce? How Surfactant Adsorption in Milliseconds Affects Bubble Collision
July 24 (Wednesday)	10:30 a.m.	Room L1 Institute of Chinese Studies	Professor Leaf Huang Eshelman School of Pharmacy University of North Carolina at Chapel Hill	Targeting Tumor Microenvironment for Immunotherapy
July 24 (Wednesday)	2:30 p.m.	Room G03 Y.C. Liang Hall	Professor Peter Metz Fakultät Chemie und Lebensmittelchemie Organische Chemie I Technische Universität Dresden Germany	Total Synthesis of Terpenoid Natural Products

August 2019

Date	Time	Venue	Speaker	Title
August 6 (Tuesday)	2:30 p.m.	G18 Basic Medical Science Building	Professor Yoshitaka Hamashima School of Pharmaceutical Sciences University of Shizuoka	Organofluorine chemistry: Synthetic methods and applications from a personal perspective
August 9 (Friday)	2:30 p.m.	Room 158 Science Centre	Professor Yoshitaka Hamashima School of Pharmaceutical Sciences University of Shizuoka	Halo-functionalizations of organic molecules enabled by unique organocatalysts
August 15 (Thursday)	10:00 a.m.	Room G04 Y.C. Liang Hall	Professor Hiroyuki Furuta Department of Chemistry and Biochemistry Graduate School of Engineering Kyushu University	N-Confused Hexaphyrins: Versatile NIR Ligands for Bis-Metal Coordination
August 16 (Friday)	4:30 p.m.	LT2 Mong Man Wai Building	Professor Hiroyuki Furuta Department of Chemistry and Biochemistry Graduate School of Engineering Kyushu University	Creation from Confusion: A Journey of Porphyrin Mutant

September 2019

Date	Time	Venue	Speaker	Title
September 2 (Monday)	10:00 a.m.	L5 Science Centre	Professor Axel H.E. Müller Institute of Organic Chemistry Johannes Gutenberg Universität Mainz Germany	Multicompartment Nanostructures of ABC Triblock Terpolymers Inspired by the Cell
September 19 (Thursday)	3:00 p.m.	Room 104 Y.C. Liang Hall	Dr. Haymo Ross Publisher ChemPubSoc Europe Journals Wiley-VCH Verlag GmbH & Co.	A look behind the scenes – an editor's day-today work

October 2019

Date	Time	Venue	Speaker	Title
October 8 (Tuesday)	10:30 a.m.	LT2 Yasumoto International Academic Park	Professor Mark E. Davis Warren and Katharine Schlinger Professor in Chemical Engineering California Institute of Technology, USA	Fighting Cancer with Nanoparticle Medicines: How Size Can Matter ** Cancelled **
October 11 (Friday)	4:30 p.m.	L1 Science Centre	Professor Yoshiaki Nakao Department of Material Chemistry Kyoto University	Cooperative Metal Catalysis for Efficient Organic Synthesis
October 29 (Tuesday)	2:30 p.m.	LT2 Lady Shaw Building	(1) Professor Nicolas Blanchard (2) Professor Gilles Hanquet Université de Strasbourg, CNRS France	(1) Total Synthesis of Mycolactone A/B, Toxin of Buruli Ulcer (2) Development of new synthetic platforms for terpenoids preparation around the total synthesis of salvinorin A

November 2019

Date	Time	Venue	Speaker	Title
November 27 (Tuesday)	9:00 a.m.	L4 Science Centre	Dr. Chen Ye Research Fellow Nanyang Technological University, Singapore	Metal Nanomaterials with Novel Crystal Phases: Synthesis and Catalytic Applications ** Cancelled **

December 2019

Date	Time	Venue	Speaker	Title
December 16 (Monday)	10:00 a.m.	L3 Science Centre	Dr. Clive Yik Sham Chung Department of Chemistry University of California, Berkeley	Frontier Technologies in Chemical Biology: Activity-Based Imaging (ABI) and Activity-Based Protein Profiling (ABPP)
December 17 (Friday)	4:30 p.m.	L1 Science Centre	Professor Chenjie Xu Department of Biomedical Engineering City University of Hong Kong	Nucleic Acid based nanotechnology for transdermal drug delivery and bio sensing