

**The Chinese University of Hong Kong**  
**Department of Chemistry**  
**Research Seminar Series (2018)**

January 2018

Date	Time	Venue	Speaker	Title
January 4 (Thursday)	2:30 p.m.	L3 Science Centre	Dr. Lok Kumar Shrestha International Center for Materials Nanoarchitectonics National Institute for Materials Science Japan	Self-Assembled Fullerene Nanostructures at Liquid-Liquid Interface: From Zero-to-Higher Dimensions
January 9 (Tuesday)	11:00 a.m.	Room 707 Man Mong Wai Building	Prof. F. Ekkehardt Hahn Institut für Anorganische und Analytische Chemie Westfälische Wilhelms-Universität Münster Germany	Substrate activation with complexes bearing protic N-heterocyclic or mesoionic carbenes
January 10 (Wednesday)	10:30 a.m.	Room 158 Science Centre	Professor Yi-Chou Tsai Department of Chemistry National Tsing Hua University	[2+2+2] Cycloaddition Reactions Involving Alkynes, Nitriles, and Mo-Mo Multiple Bonds
January 16 (Tuesday)	10:30 a.m.	Room 707 Man Mong Wai Building	Professor Bo Zhang Institute of Food Science and Technology Chinese Academy of Agricultural Sciences	植物蛋白擠壓組織化技術研究進展
January 19 (Friday)	4:30 p.m.	L1 Science Centre	Prof. Rodney S. Ruoff Department of Chemistry and School of Materials Science Ulsan National Institute of Science and Technology	New carbon materials
January 26 (Friday)	2:30 p.m.	Room 158 Science Centre	Professor Sungwoo Hong Department of Chemistry Korean Advanced Institute of Science and Technology (KAIST)	Investigation of Innovative Synthetic Approach for Successful Implementation of Fragment-Based Design
January 26 (Friday)	4:30 p.m.	L1 Science Centre	Professor Lifeng Chi Jiangsu Key Laboratory for Carbon-Based Functional Materials & Devices, Institute of Functional Nano & Soft Materials Soochow University	From Self-Assembly to On-Surface Reaction
January 29 (Monday)	10:30 a.m.	Room C3 Lady Shaw Building	Professor Day-Shin Hsu Department of Chemistry National Chung Cheng University	Recent Developments in Spiranes Synthesis

January 31 (Wednesday)	4:30 p.m.	Room G36 Lady Shaw Building	Professor Tao Tu Department of Chemistry Fudan University	NHC-Based Coordination Assemblies as Solid Molecular Catalysts toward Biomass Transformations
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### February 2018

Date	Time	Venue	Speaker	Title
February 6 (Tuesday)	10:30 a.m.	Room 707 Man Mong Wai Building	Professor Hiroshi Watanabe Division of Multidisciplinary Chemistry Institute for Chemical Research Kyoto University	Viscoelastic and Dielectric Investigation of Entanglement Dynamics of Flexible Polymers
February 8 (Thursday)	2:30 p.m.	Room G06, Y.C. Liang Hall	Professor Jer-Lai Kuo Institute of Atomic and Molecular Science Academia Sinica	Vibrational Anharmonicity and IR Spectra of Hydrogen Bonded Clusters
February 9 (Friday)	4:30 p.m.	L1 Science Centre	Professor Shengming Ma (Academician) State Key Laboratory of Organometallic Chemistry Shanghai Institute of Organic Chemistry, CAS	Catalytic Enantioselective Synthesis of Allenes
February 28 (Wednesday)	4:30 p.m.	LT1 Institute of Chinese Studies	Prof. LI YA DONG Division of Chemistry Chinese Academy of Sciences	Metallic Nano, Cluster, and Single Atom Catalysis

### March 2018

Date	Time	Venue	Speaker	Title
March 6 (Tuesday)	2:30 p.m.	Room 704 Mong Man Wai Building	Professor Shern-Long Lee Institute for Advanced Study Shenzhen University	Directed supramolecular self-assembly at the liquid-solid interface
March 23 (Friday)	4:30 p.m.	L1 Science Centre	Professor Zongwei Cai Department of Chemistry Hong Kong Baptist University	MALDI-MS Imaging Method Development and Application in Research of Environmental Toxicology
March 27 (Tuesday)	4:30 p.m.	L3 Science Centre	Professor Jonathan Burton Department of Chemistry University of Oxford	Oxonium ions, rearrangements and natural products

## April 2018

Date	Time	Venue	Speaker	Title
April 6 (Friday)	4:30 p.m.	L1 Science Centre	Professor Leyong Wang School of Chemistry and Chemical Engineering Nanjing University	School of Chemistry and Chemical Engineering Nanjing University
April 27 (Friday)	4:30 p.m.	L1 Science Centre	Professor Zhiping Zheng Southern University of Science and Technology	Chemistry and Materials Supported by Transition Metal Clusters

## May 2018

Date	Time	Venue	Speaker	Title
May 9 (Wednesday)	2:30 p.m.	L3 Science Centre	Professor George A. O'Doherty Department of Chemistry Northeastern University	De Novo Asymmetric Synthesis of Natural Products for Stereochemical Structure Activity Relationship (S- SAR) Studies
May 10 (Thursday)	10:30 a.m.	L3 Science Centre	Professor Tiow-Gan Ong Institute of Chemistry, Academia Sinica, Taipei	Carbonyl and Catalysis
May 11 (Friday)	4:30 p.m.	L1 Science Centre	Professor Jia Xie Department of Chemistry Northeastern University School of Electrical and Electronic Engineering Huazhong University of Science and Technology	Natural polymer based energy storage materials and devices
May 18 (Friday)	4:30 p.m.	L1 Science Centre	Professor Hyunwoo Kim Department of Chemistry Northeastern University Department of Chemistry Korea Advanced Institute of Science and Technology (KAIST)	Geometrical Constraints in Design of Metal Ligands and Chiral Sensors
May 21 (Monday)	2:30 p.m.	L3 Science Centre	Professor Jianji Wang School of Chemistry and Chemical Engineering Henan Normal University	CO <sub>2</sub> 響應離子液體的設計及應用
May 28 (Monday)	10:30 a.m.	L3 Science Centre	Professor Kazuaki Ishihara Graduate School of Engineering Nagoya University	Rational Design of High Performance Catalysts Based on Acid-Base Combination Chemistry
May 29 (Tuesday)	2:30 p.m.	L1 Science Centre	Professor Kazuaki Ishihara Graduate School of Engineering Nagoya University	Rational Design of Amidation and Esterification Catalysts Based on Acid-Base Combination Chemistry

## June 2018

Date	Time	Venue	Speaker	Title
June 4 (Monday)	2:30 p.m.	L1 Science Centre	Professor Yujiro Hayashi Department of Chemistry Tohoku University	Organocatalyst in the Total Synthesis
June 7 (Thursday)	10:30 a.m.	L5 Science Centre	Professor Yujiro Hayashi Department of Chemistry Tohoku University	Pot Economy in the Synthesis of Prostaglandin and Estradiol Methyl Ether
June 15 (Friday)	4:30 p.m.	L1 Science Centre	Professor Shigehiro Yamaguchi Research Center of Materials Science and Department of Chemistry Nagoya University	Main-Group Strategy toward NIR and Photostable Fluorescent Dyes
June 27 (Wednesday)	10:00 a.m.	L3 Science Centre	(1) Professor Xiangliang Yang (2) Professor Zifu Li College of Life Science and Technology Huazhong University of Science and Technology	(1) Advances in Translation Cancer Nanomedicine (2) Smart Nanomedicine based on Hydroxyethyl Starch

## September 2018

Date	Time	Venue	Speaker	Title
September 10 (Monday)	2:30 p.m.	Room G34 Lady Shaw Building	Professor Jye-Shane Yang Department of Chemistry National Taiwan University	Pentiptycene-Incorporated pi-Conjugated Oligomer and Polymers
September 13 (Thursday)	3:30 p.m.	Room 404 William M W Mong Eng Bldg	Professor Becki Y Kuang Department of Chemical and Biological Engineering The Hong Kong University of Science and Technology	Synthetic RNA gene circuit for in situ cell sorting
September 21 (Friday)	4:30 p.m.	L1 Science Centre	Professor Siddhartha Roy Department of Biophysics Bose Institute India	Peptide-based Protein-Protein and Protein- DNA interaction inhibitors: Could they become Drugs?
September 24 (Monday)	10:30 am	L4 Science Centre	Professor Feihe Huang Department of Chemistry Zhejiang University	Nonporous Adaptive Crystals (NACs) for Separation and Adsorption

## October 2018

Date	Time	Venue	Speaker	Title
October 5 (Friday)	4:30 p.m.	L1 Science Centre	Professor Xueming Yang Dalian Institute of Chemical Physics The Chinese Academy of Sciences and Southern University of Science and Technology	Photocatalysis of Methanol and Water on TiO <sub>2</sub> at Single Molecule Level
October 8 (Monday)	10:30 a.m.	L4 Science Centre	Professor Sven H. Behrens School of Chemical & Biomolecular Engineering Georgia Institute of Technology	New Materials and Separation Processes Involving Particles in Fluid Interfaces
October 12 (Friday)	4:30 p.m.	L1 Science Centre	Professor Yun Chi Department of Materials Science and Engineering City University of Hong Kong	NIR and Blue Emitters for Organic Light Emitting Diodes
October 22 (Monday)	4:30 p.m.	LT4 Lady Shaw Building	Professor Pierre H. Dixneuf UMR 6226 CNRS-Université de Rennes France	Catalytic cross-couplings from C-H bonds and Fast Modifications of P & N ligands
October 26 (Friday)	4:30 p.m.	L1 Science Centre	Professor Krzysztof Matyjaszewski Department of Chemistry Carnegie Mellon University U.S.A.	External Control in Atom Transfer Radical Polymerization

## November 2018

Date	Time	Venue	Speaker	Title
November 9 (Friday)	4:30 p.m.	L1 Science Centre	Professor Xiang Zhou College of Chemistry and Molecular Sciences Wuhan University	Chemical Biology of Nucleic Acids
November 23 (Friday)	3:30 p.m.	L1 Science Centre	Professor Xin Xu Department of Chemistry Fudan University	Towards the Accurate Yet Efficient Molecular Modelling of Large Systems from First Principles
November 26 (Monday)	2:30 p.m.	Room G03 Y.C. Liang Hall	Professor Rui Wang Department of Chemical and Biomolecular Engineering University of California, Berkeley U.S.A.	Classical Challenges in the Physical Chemistry of Polymer Networks: Topology, Elasticity and Percolation

## December 2018

Date	Time	Venue	Speaker	Title
December 5 (Wednesday)	3:30 p.m.	L5 Science Centre	Professor Hongbin Li Department of Chemistry University of British Columbia	Mechanical Engineering of Protein-based Biomaterials: from single molecule features to macroscopic traits
December 7 (Friday)	4:30 p.m.	L4 Science Centre	Professor Hwan-Ching Tai Department of Chemistry National Taiwan University	The Analytical Chemistry of Stradivarius violins: solving a 300-year-old mystery
December 11 (Tuesday)	10:30 a.m.	L3 Science Centre	Professor Linhong Deng Institute of Biomedical Engineering and Health Sciences Changzhou University	Cell dynamics as key determinants of health and disease
December 11 (Tuesday)	3:30 p.m.	L3 Science Centre	Professor Zhang-Jie Shi Department of Chemistry Fudan University	Upgrading Cross Coupling for Biaryl Syntheses
December 12 (Wednesday)	4:30 p.m.	L3 Science Centre	Professor Xuefeng Jiang School of Chemistry and Molecular Engineering East China Normal University	Greenization for Organic Synthesis
December 13 (Thursday)	10:30 a.m.	L3 Science Centre	Professor Huimin Zhao Departments of Chemical and Biomolecular Engineering, Chemistry, Biochemistry, and Bioengineering University of Illinois at Urbana-Champaign	Synthetic Biology: Putting Synthesis into Biology
December 13 (Thursday)	2:30 p.m.	L3 Science Centre	Professor Qilong Shen Key Laboratory of Organofluorine Chemistry Shanghai Institute of Organic Chemistry Chinese Academy of Sciences	New of Fluoroalkylating Reagents: Design, Preparation and Reactivity
December 14 (Friday)	4:30 p.m.	L1 Science Centre	Professor Pierre Braunstein University of Strasbourg – CNRS France	Selective Metalation of N-Heterocyclic Carbene-Based Pincer Ligands and Catalytic Applications