



The Chinese University of Hong Kong
Department of Chemistry
Research Seminar Series

Speaker: Dr. Lok Kumar Shrestha
International Center for Materials
Nanoarchitectonics
National Institute for Materials Science
Japan

Title: Self-Assembled Fullerene Nanostructures at
Liquid-Liquid Interface: From Zero-to-Higher
Dimensions

Date: January 4, 2018 (Thursday)

Time: 2:30 p.m.

Venue: L3
Science Centre





The Chinese University of Hong Kong
Department of Chemistry
Research Seminar Series

Speaker: Prof. F. Ekkehardt Hahn
Institut für Anorganische und Analytische
Chemie
Westfälische Wilhelms-Universität Münster
Germany

Title: Substrate activation with complexes bearing
protic N-heterocyclic or mesoionic carbenes

Date: January 9, 2018 (Tuesday)

Time: 11:00 a.m.

Venue: Room 707
Man Mong Wai Building



ALL ARE WELCOME

Contact Person:
Prof. Michael Kwong



The Chinese University of Hong Kong
Department of Chemistry
Research Seminar Series

Speaker: Professor Yi-Chou Tsai
Department of Chemistry
National Tsing Hua University

Title: [2+2+2] Cycloaddition Reactions Involving
Alkynes, Nitriles, and Mo-Mo Multiple
Bonds

Date: January 10, 2018 (Wednesday)

Time: 10:30 a.m.

Venue: Room 158
Science Centre





The Chinese University of Hong Kong
Department of Chemistry
Research Seminar Series
(普通話主講)

Speaker: Professor Bo Zhang (張波教授)
Institute of Food Science and Technology
Chinese Academy of Agricultural Sciences
(中國農業科學院農產品加工研究所)

Title: 植物蛋白擠壓組織化技術研究進展

Date: 16 January, 2018 (Tuesday)

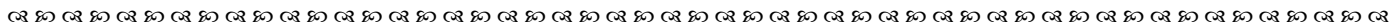
Time: 10:30 a.m.

Venue: Room 707
Mong Man Wai Building



ALL ARE WELCOME

Contact Person:
Prof. Chi Wu



The Chinese University of Hong Kong
Department of Chemistry
Research Seminar Series

Speaker: Prof. Rodney S. Ruoff
Department of Chemistry and School of
Materials Science
Ulsan National Institute of Science and
Technology

Title: New carbon materials

Date: January 19, 2018 (Friday)

Time: 4:30 p.m.

Venue: L1
Science Centre



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Contact Person:
Prof. Jimmy C. Yu



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

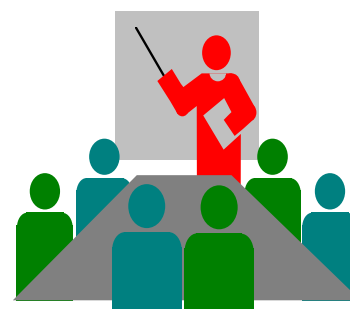
Speaker: Professor Sungwoo Hong
Department of Chemistry
Korean Advanced Institute of Science
and Technology (KAIST)

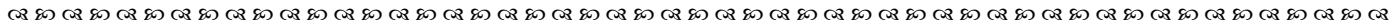
Title: Investigation of Innovative Synthetic
Approach for Successful Implementation of
Fragment-Based Design

Date: January 26, 2018 (Friday)

Time: 2:30 p.m.

Venue: Room 158
Science Centre





The Chinese University of Hong Kong

Department of Chemistry

Research Seminar Series

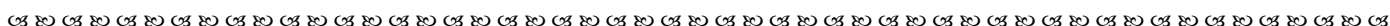
Speaker: Professor Lifeng Chi
Jiangsu Key Laboratory for Carbon-Based
Functional Materials & Devices,
Institute of Functional Nano & Soft Materials
Soochow University

Title: From Self-Assembly to On-Surface Reaction

Date: January 26, 2018 (Friday)

Time: 4:30 p.m.

Venue: L1
Science Centre



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Contact Person:
Prof. Qian Miao



The Chinese University of Hong Kong
Department of Chemistry
Research Seminar Series
(ACP Lectureship Program)

Speaker: Professor Day-Shin Hsu
Department of Chemistry
National Chung Cheng University

Title: Recent Developments in Spiranes Synthesis

Date: January 29, 2018 (Monday)

Time: 10:30 a.m.

Venue: Room C3
Lady Shaw Building





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

Speaker: Professor Tao Tu
Department of Chemistry
Fudan University

Title: NHC-Based Coordination Assemblies as Solid Molecular Catalysts toward Biomass Transformations

<< Abstract >>

A class of robust solid molecular NHC-based catalysts was readily fabricated via self-assembly from diverse bis-benzimidazolium salts with selected metal precursors. Among them, the NHC-Ru and NHC-Ir polymer have demonstrated high catalytic activity and excellent stability as a solid molecular catalyst for the solvent-free reductive amination of biomass levulinic acid and oxidative dehydrogenation of glycerol with dihydrogen liberation, respectively, at very low catalyst loadings. All solid catalysts were readily recovered by simple filtration and reused for dozens of runs without obvious loss of activity. Probably owing to the effective suppression of inactive binuclear metal species in a homogeneously catalyzed reaction, the catalysts assembled via self-supported strategy exhibited high selectivity and productivity for corresponding products, with the highest turnover numbers (TON) achieved so far in large-scale reactions. The high catalytic activity, recyclability, and scalability of the robust solid molecular catalysts highlight their potential toward the development of practical technologies for transformation of biomasses to value-added chemicals.

Date: January 31, 2018 (Wednesday)

Time: 4:30 p.m.

Venue: Room G36
Lady Shaw Building



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Contact Person:
Prof. Michael F.Y. Kwong