

The Chinese University of Hong Kong
Department of Chemistry
Research Seminar Series (2017)

January 2017

| Date | Time | Venue | Speaker | Title |
|--------------------------|------------|---------------------------|---|--|
| January 3 (Tuesday) | 10:30 a.m. | L3 Science Centre | 劉雲圻教授 中國科學院化學研究所 | 分子材料与器件（普通話主講） |
| January 4 (Wednesday) | 10:30 a.m. | L3 Science Centre | Prof. Jinming Gao Professor of Oncology, Pharmacology, and Otolaryngology UT Southwestern Medical Center U.S.A. | pH Transistor Nanomedicine |
| January 6 (Friday) | 4:30 p.m. | L1 Science Centre | Prof. Lizhu Wu Director of the Lab of Supramolecular Photochemistry Technical Institute of Physics and Chemistry Chinese Academy of Science (CAS) | Artificial Photosynthetic Systems for Chemical Transformation |
| January 13 (Friday) | 2:30 p.m. | LT2 Lady Shaw Building | Prof. Shou-Fei Zhu Professor of Chemistry Nankai University | Catalytic Hydrogen Transfer Reactions |
| January 13 (Friday) | 4:30 p.m. | L1 Science Centre | Professor Alex Edwin Bunker Faculty of Pharmacy University of Helsinki | Computationally assisted design (CAD) for drug delivery; Molecular dynamics modelling as a tool in nanomedicine: Liposome based drug delivery systems as a case study |
| January 20 (Friday) | 4:30 p.m. | L1 Science Centre | 劉雲圻教授 中國科學院化學研究所 | 分子材料与器件（普通話主講） |

February 2017

| Date | Time | Venue | Speaker | Title |
|--------------------------|-----------|--------------------------------|--|--|
| February 9 (Thursday) | 2:30 p.m. | Room G35 Lady Shaw Building | Prof. Claudio J. Margulis Department of Chemistry The University of Iowa | Using Computer Simulations to Unravel the Structure and Dynamics of Room-Temperature Ionic-Liquids |
| February 17 (Friday) | 2:00 p.m. | L2 Science Centre | Prof. Ram I. Mahato Department of Pharmaceutical Sciences University of Nebraska Medical Center, USA | Precision Medicines of Small Noncoding RNA and Small Molecules for Treating Liver Fibrosis |

March 2017

| Date | Time | Venue | Speaker | Title |
|-------------------------|-----------|--------------------------------|--|---|
| March 1 (Wednesday) | 2:00 p.m. | Room G04 Y.C. Liang Hall | Dr. John C.K. Chu Colorado State University U.S.A. | Synthesis of Nitrogen-Containing Molecules by Zinc-Catalyzed [4+2] Cycloaddition and Photoredox-Catalyzed C-H Functionalization |
| March 21 (Tuesday) | 2:30 p.m. | Room G35 Lady Shaw Building | Prof. Wei Han School of Chemical Biology and Biotechnology Peking University Shenzhen Graduate School | n silico Insights into Protein Aggregation |
| March 22 (Wednesday) | 2:30 p.m. | Room C1 Lady Shaw Building | Prof. Heikki Tenhu Department of Chemistry University of Helsinki Finland | Polymers and particles from N-vinylcaprolactam |
| March 24 (Friday) | 4:30 p.m. | L1 Science Centre | Prof. Heikki Tenhu Department of Chemistry University of Helsinki Finland | Polymeric hybrid nanomaterials |
| March 29 (Wednesday) | 2:30 p.m. | Room 158 Science Centre | Prof. Kuo-Wei Huang KAUST Catalysis Center and Division of Physical Science and Engineering King Abdullah University of Science and Technology, Saudi Arabia | A Novel Class of PN3-Pincer Complexes: Cooperative Catalysis and Beyond |
| March 29 (Wednesday) | 4:30 p.m. | L5 Science Centre | Prof. Hue Sun Chan Departments of Biochemistry and Molecular Genetics University of Toronto | Biophysics of Protein Evolutionary Switches and Phase Separation in Membraneless Organelles |
| March 31 (Friday) | 4:30 p.m. | L1 Science Centre | Prof. Young-Tae Chang National University of Singapore | Fluorescent Sensor Development for Almost Everything |

April 2017

| Date | Time | Venue | Speaker | Title |
|-------------------------|-----------------------|-------------------------------|---|--|
| April 5 (Wednesday) | 2:30 p.m. | Room C1 Lady Shaw Building | Prof. Wei Zhuang State Key Lab of Structural Chemistry Fujian Institute of Research on Structure of Matters | Ion Effect on Hydrogen Bonding Network in Water |
| April 18 (Tuesday) | 2:30 p.m. | Room C2 Lady Shaw Building | Prof. Yongsheng Chen Institute of Functional Polymer Materials Center for Nanoscale Science & Technology Nankai University | Nano Carbon and Polymeric Materials: Design, Synthesis and Applications in Green Energy |
| April 19 (Wednesday) | 3:30 p.m. | LT7 Lee Shau Kee Building | Prof. Mou Chung-Yuan Professor, Department of Chemistry, National Taiwan University | Nano-Confined Water |
| April 25 (Tuesday) | (Wednesday) 0 a.m. | Room G06 Y.C. Liang Hall | Mr. Martin Tsz-Kin Tsui Institute of Molecular Biophysics Florida State University, U.S.A. | The Impact of DNA Topology and Guide Length on Target Selection by a Cytosine-Specific Cas9 |
| April 26 | 2:30 p.m. | L3 Science Centre | Prof. Chien-Tien Chen Department of Chemistry National Tsing Hua University | Optically Switchable Helicenes in Supramolecular Self-assembly and asymmetric catalysis |
| April 27 (Thursday) | 2:30 p.m. | L5 Science Centre | Prof. Takahiro Suzuki Department of Chemistry Hokkaido University | Synthetic Studies of Structurally Unique Terpenoids Based on Cycloaddition Reaction |

May 2017

| Date | Time | Venue | Speaker | Title |
|-----------------------|------------|------------------------------------|--|--|
| May 9 (Tuesday) | 2:30 p.m. | L3 Science Centre | Prof. Tristan H. Lambert Department of Chemistry Columbia University | Aromatic Ions for Catalyst Design |
| May 17 (Wednesday) | 2:30 p.m. | L1 Institute of Chinese Studies | Prof. Yi Tang Department of Chemical and Biomolecular Engineering University of California, Los Angeles | Genomic Based Discovery of Natural Bioactive Compounds and Powerful Enzymes |
| May 23 (Tuesday) | 10:30 a.m. | L3 Science Centre | Prof. Claude Gros Institut de Chimie Moléculaire de l'Université de Bourgogne, France | Recent developments in the chemistry of corrole macrocycles |

June 2017

| Date | Time | Venue | Speaker | Title |
|-----------------------|------------|---------------------------|--|--|
| June 2 (Friday) | 4:30 p.m. | L1 Science Centre | Prof. Jaesook Yun Department of Chemistry Sungkyunkwan University | Development of Copper-Catalyzed Asymmetric Additions: Asymmetric Hydroboration and its Application |
| June 5 (Monday) | 10:30 a.m. | L3 Science Centre | Professor Uwe H.F. Bunz Lehrstuhl I, Institut für Organische Chemie Ruprecht-Karls-Universität Heidelberg Germany | A Universal Sensor? The Optoelectronic Polymer Tongue |
| June 5 (Monday) | 2:30 p.m. | L3 Science Centre | Professor Á ngela Sastre Santos Instituto de Bioingeniería Universidad Miguel Hernández Spain | Molecular materials for artificial photosynthesis and as components in solar cells devices |
| June 7 (Wednesday) | 10:30 a.m. | L3 Science Centre | Prof. Ulrich Hennecke Organisch-Chemisches Institut Westfälische Wilhelms-Universität Münster | Asymmetric Halogenation of Alkenes, Alkynes and Allenes – from mechanistic concepts to new catalysts |
| June 9 (Friday) | 4:30 p.m. | L1 Science Centre | Prof. Seung Hwan Cho Department of Chemistry POSTECH, Korea | 1,1-Bisborylalkanes: New Types of Organoboron Compounds for Chemo, Regio and Stereoselective Organic Transformations |
| June 12 (Monday) | 10:30 a.m. | LT3 Lady Shaw Building | Prof. Gerhard Erker Organisch-Chemisches Institut Westfälische Wilhelms-Universität Münster Germany | Organometallic Frustrated Lewis Pairs |
| June 12 (Monday) | 3:30 a.m. | L1 Science Centre | Prof. Gerhard Erker Organisch-Chemisches Institut Westfälische | Frustrated Lewis Pair Chemistry: Principle and Some Recent Developments |
| June 16 (Friday) | 10:30 a.m. | L3 Science Centre | Prof. Yufeng Wang Department of Chemistry The University of Hong Kong | Colloids with valence: Fabrication and Directed Self-Assembly |

July 2017

| Date | Time | Venue | Speaker | Title |
|------------------------|------------|-------------------------------|---|---|
| July 12 (Wednesday) | 2:30 p.m. | L3 Science Centre | Professor Tetsuro Majima The Institute of Scientific and Industrial Research (SANKEN) Osaka University | Development of TiO ₂ Photocatalysts |
| July 13 (Thursday) | 10:30 a.m. | L3 Science Centre | Prof. Wenping Hu Department of Chemistry Tianjin University | Small Crystal World of Organic Semiconductors |
| July 21 (Friday) | 10:30 a.m. | Room C1 Lady Shaw Building | Prof. Gerard C.L. Wong Department of Chemistry & Biochemistry California NanoSystems Institute UCLA | Chemistry and machine learning meet innate immunity and autoimmunity |

August 2017

| Date | Time | Venue | Speaker | Title |
|--------------------------|-----------|---------------------------|---|--|
| August 23 (Wednesday) | 4:30 p.m. | LT4 Lady Shaw Building | Professor Dawei Ma Shanghai Institute of Organic Chemistry Chinese Academy of Science | Exploring New Methodologies to Enhance Synthetic Efficiency |
| August 24 (Thursday) | 2:30 p.m. | L5 Science Centre | Prof. Chin-Fa Lee Department of Chemistry National Chung Hsing University | Syntheses of thioethers, thiophosphates and thioesters |
| August 25 (Friday) | 2:30 p.m. | L5 Science Centre | Professor Wolfgang H. Binder Chair of Macromolecular Chemistry Martin-Luther University Halle-Wittenberg Germany | Self-healing polymers : introducing stress sensitivity and sensing in polymeric materials |

September 2017

| Date | Time | Venue | Speaker | Title |
|---------------------------|-----------|------------------------------|---|---|
| September 8 (Friday) | 4:30 p.m. | L1 Science Centre | Prof. Dr. Ernst Wagner Department of Pharmacy Ludwig-Maximilians-Universität München Germany | Chemical evolution of macromolecular sequences: for intracellular DNA, siRNA, protein and drug delivery |
| September 12 (Tuesday) | 2:30 p.m. | Room 101 Liang Y. C. Hall | Professor Jye-Shane Yang Department of Chemistry National Taiwan University | Mechanochromic Luminescent Materials for Multicolor Fluorescence Drawing and Sensing |
| September 22 (Friday) | 4:30 p.m. | L1 Science Centre | Prof. Yufen Zhao Department of Chemical Biology Xiamen University | Phosphorous Chemistry and Evolution of Biological Molecules |
| September 29 (Friday) | 4:30 p.m. | L1 Science Centre | Prof. Stefan A. F. Bon Department of Chemistry The University of Warwick | Dynamic Supracolloidal Engineered Materials |

October 2017

| Date | Time | Venue | Speaker | Title |
|---------------------------|------------|-----------------------------------|--|--|
| October 4 (Wednesday) | 11:15 a.m. | Room 706 Mong Man Wai Building | Professor Dennis Wolan The Scripps Research Institute | Interrogation of Gut Microbiomes with Chemical Probes and MS Proteomics |
| October 17 (Tuesday) | 4:30 p.m. | Room 103 Y.C. Liang Hall | Prof. Yi Lu Department of Chemistry, University of Illinois at Urbana-Champaign | Design and Selection of Metalloenzymes and their Applications as Biocatalysts in Alternative Energies and as Biosensors in Environmental Monitoring, Medical Diagnostics and Imaging |
| October 18 (Wednesday) | 4:30 p.m. | LT5 Lady Shaw Building | Professor Hans-Joachim Knölker Department of Chemie Technische Universität Dresden | Transition Metal Catalysis in Heterocyclic Synthesis |
| October 20 (Friday) | 1:00 p.m. | L3 Science Centre | Prof. Junqiu Liu State Key Lab of Supramolecular Structure and Materials Jilin University | Protein Self-Assembly: A New Platform to Develop Biomimetic System |
| October 20 (Friday) | 4:30 p.m. | L1 Science Centre | Prof. Leiv K. Sydnes Department of Chemistry University of Bergen, Norway | 1,1,2,2-Tetraethoxybutyne – Easy to Make and Exciting to Apply |

November 2017

| Date | Time | Venue | Speaker | Title |
|---------------------------|-----------|-----------------------------------|---|---|
| November 3 (Friday) | 4:00 p.m. | Room 128 Science Centre | 常俊標教授 河南師範大學 | 核苷類創新藥物的研發策略 (普通話主講) |
| November 14 (Tuesday) | 2:30 p.m. | L3 Science Centre | Prof. Paolo Melchiorre Institute of Chemical Research of Catalonia Spain | The Bright Side of Enantioselective Organocatalysis |
| November 17 (Friday) | 2:00 p.m. | Room C2 Lady Shaw Building | Prof. Amir H. Hoveyda College of Food Science (食品學院) Northeast Agricultural University (東北農業大學) | 植物蛋白高值化加工技術及新產品創制 (普通話主講) |
| November 17 (Friday) | 4:30 p.m. | Room 702 Mong Man Wai Building | Professor Lianzhou Jiang Department of Chemistry Boston College | New Concepts, Catalysts and Metho |
| November 20 (Monday) | 2:30 p.m. | Room G34 Lady Shaw Building | Dr. John Sui-Man Wai Vice President of Medicinal Chemistry WuXi App Tec, Shanghai | Discovery of HIV Integrase Inhibitors: From diketoacid hit to Raltegravir and beyond |
| November 28 (Tuesday) | 2:30 p.m. | L3 Science Centre | Prof. Shuanhu Gao School of Chemistry and Molecular Engineering East China Normal University | Natural Products Total Synthesis Using Photoreactions |
| November 30 (Thursday) | 4:30 p.m. | L3 Science Centre | Professor Yong Tang Shanghai Institute of Organic Chemistry Chinese Academy of Sciences | Sidarm Approach to Catalysts for Olefin Polymerization: Controllable Synthesis of Polyethylenes |

December 2017

| Date | Time | Venue | Speaker | Title |
|---------------------------|------------|-----------------------------|---|--|
| December 1 (Friday) | 4:30 p.m. | L1 Science Centre | Prof. Jeremy K.M. Sanders Department of Chemistry University of Cambridge | Thermodynamics and Molecular Recognition: From dynamic combinatorial chemistry to crystal polymorphism |
| December 4 (Monday) | 10:00 a.m. | L3 Science Centre | Prof. Timothy P. Lodge Chief Editor, Macromolecules Department of Chemistry University of Minnesota | Interplay of Fibril Formation, Gelation, and Phase Separation in Aqueous Cellulose Ether Solutions |
| December 5 (Tuesday) | 10:30 a.m. | Room 101 Y.C. Liang Hall | Prof. Juewen Liu Department of Chemistry University of Waterloo Canada | Interfacing DNA with metal ions, metal oxides, and metal nanoparticles |
| December 6 (Wednesday) | 2:30 p.m. | L4 Science Centre | Prof. Timothy P. Lodge Chief Editor, Macromolecules Department of Chemistry University of Minnesota | 50 years of Macromolecules; the Promise of Polymers |
| December 8 (Friday) | 11:00 a.m. | Room 158 Science Centre | Mr. Hiu-Chun Lam Department of Chemistry University of Adelaide | Biomimetic Total Synthesis of Natural Products |
| December 8 (Friday) | 4:30 p.m. | L1 Science Centre | Prof. Jenn-Kang Hwang Warshel Institute for Computational Biology The Chinese University of Hong Kong, Shenzhen | Protein structure, dynamics and evolution: you see one, you see the other two – sort of |
| December 18 (Monday) | 2:30 p.m. | L3 Science Centre | Prof. Yan Xia Department of Chemistry Stanford University | Building and Breaking Molecular Ladders to Develop Conjugated Functional Materials |