



Revised

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

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**Speaker:** Professor Mark E. Davis  
Warren and Katharine Schlinger Professor in  
Chemical Engineering  
California Institute of Technology, USA

**Title:** Fighting Cancer with Nanoparticle Medicines:  
How Size Can Matter

**Date:** October 8, 2019 (Tuesday)

**Time:** 10:30 a.m.



**Venue:** LT2  
Yasumoto International Academic Park



*The Chinese University of Hong Kong*  
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**Speaker:** Professor Yoshiaki Nakao  
Department of Material Chemistry  
Kyoto University

**Title:** Cooperative Metal Catalysis for Efficient Organic Synthesis

<< Abstract >>

A number of useful C-C and C-heteroatom bond forming reactions have been developed by taking advantages of varied reaction modes of metal complexes. We have envisaged that the power of metal catalysis can be brought out further by designing cooperative catalysis derived from two or more different metal complexes. We show that some novel C-C and C-heteroatom bond forming reactions are enabled by doubly activating cooperative catalysis with late transition metals and Lewis acids. Examples include cyanofunctionalization, site-selective hydro(hetero)arylation, and borylation reactions through C-CN, O-CN, N-CN, and C-H functionalization by nickel, palladium, or iridium/Lewis acid cooperative double activation catalysis.

**Date:** October 11, 2019 (Friday)

**Time:** 4:30 p.m.

**Venue:** L1, Science Centre



ALL ARE WELCOME

Contact Person:  
Prof. Michael Kwong



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**Speaker:** (1) Professor Nicolas Blanchard  
(2) Professor Gilles Hanquet  
Université de Strasbourg, CNRS  
France

**Title:** (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

**Date:** October 29, 2019 (Tuesday)

**Time:** 2:30 p.m.

**Venue:** LT2  
Lady Shaw Building

