



Sunney and Irene Chan Lecture in Chemical Biology

**Sunney I. Chan 80th Birthday Symposium on
“Chemical and Biological Approaches for Energy and Sustainability
Wednesday, October 5, 2016.
Lecture Theatre 6, Yasumoto International Academic Park, CUHK.**

AM

9:00 **Opening Remarks** (Henry Wong, CUHK)

Bioenergetics and Sustainability
(Chair: Michael Chan, CUHK)

9:10 **Speaker #1: Gary Brudvig** (*Yale, USA*)
“Water Oxidation for Solar Fuel Production”

10:00 **Speaker #2: Douglas Rees** (*Caltech, USA*)
“Ironing Out the Nitrogenase Mechanism”

10:50 **Coffee break**

Biofuels (Chair: Jacky Ngo, CUHK)

11:10 **Speaker #3: Michael Marletta** (*UC Berkeley, USA*)
“Polysaccharide Monooxygenases: Function and Mechanism”

12:00 **Speaker #4: James Liao** (*Academia Sinica, Taiwan*)
Metabolic Engineering of Bacteria for C1 Metabolism”

12:50 **Lunch**



PM

Sustainable Chemistry I (Chair: Bruce Lee, CUHK)

2:20 **Speaker #5: Robert Grubbs** (*Caltech, USA*)
“Functional Materials with Some Interesting Applications”

3:10 **Speaker #6: Istvan Horvath** (*City U*)
“Conversion of Biomass to Energy and Chemicals: Suitable or Green or Sustainable?”

4:00 **Coffee break**

Sustainable Chemistry II
(Chair: Wing Tak Wong, HK Poly U)

4:15 **Speaker #7: Chi Ming Che** (*HKU*)
“Photochemical Oxidation of C-H Bonds”

4:45 **Speaker #8: Peter Chen** (*NCHU, Taiwan*)
“The Development of Tricopper Cluster for Efficient Selective Oxidation of Hydrocarbons under Ambient Conditions”

5:15 **Speaker #9: Vivian Yam** (*HKU*)
“Versatile Chromophores and Excited States for Efficient Photosensitization and Optoelectronic Functions”

5:45 **Closing Remarks** (Sunney I Chan)

ONLINE REGISTRATION:

<http://www.cuhk.edu.hk/lifesciences/seminar/2016.html>



Co-Organized by:

