



Japan Gateway: Kyoto University Top Global Program

Chemistry and Chemical Engineering Unit

Top Global Course Workshop



Where Chemistry and Biology Meet

February 24, 2017 Katsura Hall, Kyoto University

- 10:00 Opening remarks
- 10:05 Mechanism of inhibition and activation of TAp63 α in oocytes
Volker Dötsch (Goethe University)
- 10:50 Cross- β polymerization of low-complexity sequences
for biological functions
Masato Kato (University of Texas)
- 11:35 Mechanisms for counting and handoff by human DNA primase- a role
for the 4Fe-4S cluster?
Walter J. Chazin (Vanderbilt University)
- 12:20 Lunch
- 13:30 Towards protein democracy: from lipochaperones to flip-flopping
membrane protein
Mikhail Bogdanov (University of Texas)
- 14:15 Metabolic dark matter and the origin of life
Robert H. White (Virginia Tech)
- 15:00 Coffee
- 15:30 Development of caged electrophiles for characterizing cysteine
reactivity in living cells
Masahiro Abo (Boston College)
- 16:15 Precision cellular delivery and discovery of fluorine containing abiotic
macromolecules
Bradley L. Pentelute (Massachusetts Institute of Technology)
- 17:00 Closing remarks
- 17:15 Mixer