

Biofunctional Chemistry

Sep. 28 – Sep. 30, 2013

Room G

Chaired by Takehiko Wada (Tohoku Univ.), Masaru Tanaka (Yamagata Univ.), and Nobuyuki Uozumi (Tohoku Univ.)

Sep. 28 (Sat.)

13:00 – 15:35

13:00 – 13:05 Introduction Remark

13:05 – 13:50 28G5 Byeang Hyeon Kim (Pohang University of Science and Technology (POSTEC), Korea)

“Fluorescent Nucleic Acid Systems in Chemical Biology”

13:50 – 14:25 28G6 Hiroshi Yabu (WPI-AIMR, Tohoku University, Japan)

“Nanostructured Composite Materials Based on Amphiphilic Copolymers Containing Mussel-Inspired Adhesive Moieties”

14:25 – 15:00 28G7 Hsiao-hua (Bruce) Yu (Riken, Japan)

“Functional π -Conjugated Polymers for Cell Engineering”

15:00 – 15:35 28G8 Suwabun Chirachanchai (Chulalongkorn University, Thailand)

“Conjugation of Chitosan in Water-based System: A Simple Conjugation Approach for Biofunctional Chemistry”

Sep. 29 (Sun.)

9:00 – 11:00

9:00 – 9:40 29G1 Susumu Kuwabata (Osaka University, Japan)

“Use of Ionic Liquid for Microscopic Studies on Biomaterials”

9:40 – 10:15 29G2 Toshiro Ohashi (Hokkaido University, Japan)

“Microdevices for Mechanical Characterization and Mechanical Responses of Cells”

10:15 – 11:00 29G3 Jean-Jacques Toulmé (Institut Européen de Chimie et Biologie, Bordeaux University, France)

“Aptamers: a World of Structural and Functional Oligonucleotide Diversity”

Sep. 30 (Mon.)

9:10 – 10:30

9:10 – 9:45 30G1 Steffen Jockusch (Columbia University, USA)

“Chromophores and Photoactive Compounds Arising from Chlorophyll Breakdown in Plants”

9:45 – 10:30 30G2 Yoshio Okahata (Yamagata University, Japan)

“A New Method to Analyze Enzyme Reactions on a 27-MHz QCM”