

## Macromolecules for Pharmaceuticals

Sep. 8th, 2023

### Room I

Chaired by Takehiko Wada (Tohoku Univ.), Nobukatsu Nemoto (Nihon Univ.), Atsushi Kobayashi (Nihon Univ.)  
and Daisuke Takeuchi (Hirosaki Univ.)

#### Sep. 8th (Fri.)

##### 10:00 – 10:30 Chaired by Takehiko Wada (Tohoku University)

08I1     ○Masaya Yamamoto (Tohoku University, Japan)  
“Hydrogel-based tissue engineering for stem cell specification and microplastic toxicology”

##### 10:30 – 11:00 Chaired by Atsushi Kobayashi (Nihon University)

08I2     ○Tomohiro Konno, Kasumi Ariake, Masaki Harada, Ryoko Hosaka, Sachi Moriwaki  
(Tohoku University, Japan)  
“Multi-dimensional and seamless biointerface based on dynamic covalent bonds in cytocompatible polymer”

##### 11:00 – 11:30 Chaired by Atsushi Kobayashi (Nihon University)

08I3     ○Koji Yonekura (Tohoku University / RIKEN, Japan)  
“Cryo-electron microscopy for chemical analysis”

##### 11:30 – 12:00 Chaired by Atsushi Kobayashi (Nihon University)

08I4     ○Masaru Tanaka (Kyushu University, Japan)  
“Design of Multi-functional Polymeric Biomaterials Based on the Intermediate Water Concept”

##### 13:00 – 13:45 Chaired by Takehiko Wada (Tohoku University)

08I5     ○Kyeong Kyu Kim (Sungkyunkwan University School of Medicine, Korea)   ★GP-Chem  
“Strategies to Overcome the Antimicrobial Resistance”

##### 13:45 – 14:15 Chaired by Takehiko Wada (Tohoku University)

08I6     ○Asako Yamayoshi (Nagasaki University, Japan)  
“Development of Novel Nucleic Acid Drugs targeting non-coding Genes and Material Symbiosis”

##### 14:15 – 15:00 Chaired by Takehiko Wada (Tohoku University)

08I7     ○Shiroh Futaki (Kyoto University, Japan)  
“Attenuated Cationic Lytic Peptides for Intracellular Delivery”

★…Graduate Program in Integrated Chemistry, Tohoku University