The 1st International Symposium on Chemical Communication in Tohoku University
Aoba Science Hall
October 31 (Monday), 2016

Program
9:30—10:20
Quadruplexes are Everywhere!
Prof. Jean-Louis Mergny
(European Institute of Chemistry and Biology (IECB), Université de Bordeaux)

10:20—10:40
Synthesis of a New Protein-Crosslinkable Oligonucleotide having 4-Amino-2-Oxo-6-Vinyl-1,3,5-Triazine
Dr. Ken Yamada (IMRAM, Tohoku University)

Coffee break

11:00—11:50
Nucleic Acids with Non-canonical Structures
Prof. Naoki Sugimoto
(Frontier Institute for Biomolecular Engineering Research (FIBER) and Graduate School of Frontiers of Innovative Research in Science and Technology (FIRST), Konan University)

Lunch

13:10—14:00
Stimuli-responsive Coordination Cages and DNA G-Quadruplexes
Prof. Guido H. Clever
(Department for Chemistry and Chemical Biology, TU Dortmund University)

14:00—14:20
Synthesis, Aggregation, and Self-Assembly of Ethynylhelicene Oligomers
Dr. Nozomi Saito
(Graduate School of Pharmaceutical Sciences, Tohoku University)

Coffee break

14:40—15:30
The Art of Process Chemistry
Dr. Nobuyoshi Yasuda
(Merck & Co., Inc)

15:30—15:50
Catalytic Generation of Carbanions Utilizing [1,2]-Phospha-Brook Rearrangement and Their Application to C-C Bond Formation
Dr. Azusa Kondoh (Department of Chemistry, Tohoku University)

16:00—16:50
Stereochemical Integrity of Cu-Substituted Stereogenic Carbon Centers in Enantioselective Catalysis
Prof. Amir H. Hoveyda (Department of Chemistry, Boston College)

Contact: Prof. Takayuki Doi (TEL 93-6865, doi_taka@mail.pharm.tohoku.ac.jp)