

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)

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