

Online 4th Student Seminar of International Graduate Course on Chemistry for Molecular Systems

Friday, September 18th

Program

10:00-

Opening remark by **Prof. Masahiro Goto**

10:05-10:25

MONIRUZZAMAN MOHAMMAD (DC2, Hisaeda lab.)

Chair person, FAJAR ADROIT TORIQ NUR

“Electrochemical Approach to Cyanofornamide and Trifluoroacetamide Synthesis from Organic Halides Catalyzed by B₁₂ Model Complex”

10:25-10:45

ANJUM RUBAIYA (DC2, Tanaka lab.)

Chair person, ISLAM MD SHIMUL

“Synthesis of Zwitterionic N-Oxide Polymers and their Applications”

10:45-11:05

LIU SHICHEN (DC2, Tanaka lab.)

Chair person, ASMARIAH BINTI AHMAD

“Comparison of Protein Adsorption and Hydration State of Poly(2-oxazoline) Coatings”

11:05-11:25

ABRAHAM JIBIN ALEX (DC2, Furuta lab.)

Chair person, ZHANG ZHI

“Synthesis and Characterization of N-Fused Porphyrin Iridium Complexes; A Class of Potent Molecular Catalyst”

11:25-11:45

SENEVIRATHNE ADIKARI MUDIYANSELAGE CHATHURANGANIE (DC2, Adachi lab.)

Chair person, MONIRUZZAMAN MOHAMMAD

“Quasi-Continuous Wave Lasing from Organic Laser Gain Material 4,4-Bis[(N-carbazole)styryl]biphenyl (BSBCz) with Two-Dimensional Distributed-Feedback”

11:45-13:00 **Break**

13:00-13:20

ZHANG ZHI (DC2, Hisaeda lab.)

Chair person, ALASVAND YAZDANI SAHAR

“Electrocatalytic Hydrogen Evolution Reaction with Iridium Octaethylporphycene”

13:20-13:40

FAJAR ADROIT TORIQ NUR (DC2, Goto lab.)

Chair person, CHENG JIAMIN

“Selective separation of platinum group metals using polymer inclusion membranes containing an ionic liquid carrier”

13:40-14:00

UDDIN SHIHAB (DC2, Goto lab.)

Chair person, ANJUM RUBAIYA

“Lipid-Lipid Based Biocompatible Ionic Liquids: Synthesis, Characterization and Biocompatibility Evaluation”

14:00-14:20

ALASVAND YAZDANI SAHAR (DC1, Adachi lab.)

Chair person, ABRAHAM JIBIN ALEX

“Electrically driven Organic Vertical-Cavity Surface-Emitting Laser (OVCSEL) : Optical optimization of the resonant cavity”

14:20-14:40

CHENG JIAMIN (DC1, Hisaeda lab.)

Chair person, SENEVIRATHNE ADIKARI MUDIYANSELAGE CHATHURANGANIE

“Cyclohexane Oxidation with m-CPBA Catalyzed by Homogeneous Catalyst B₁₂ Complex and Heterogenous Catalyst Co^{II}B₁₂-SiO₂”

14:40-15:00 **Break**

15:00-15:20

HAQUE MD AZIZUL (DC1, Tanaka lab.)

Chair person, PUGOH SANTOSO

“Surface Interaction Analysis of Human Umbilical Vein Endothelial Cells (HUVECs) on the PMEA (Poly(2-methoxyethyl acrylate)) and its Analogues”

15:20-15:40

ASMARIAH BINTI AHMAD (DC1, Katayama lab.)

Chair person, UDDIN SHIHAB

“Development of Polyion Complex Nanoparticles for Biofilm Infection Control”

15:40-16:00

ISLAM MD SHIMUL (DC1, Goto lab.)

Chair person, HAQUE MD AZIZUL

“Amino Acid Ester based Phenolic Ionic Liquids as Potential Solvent for Food Preservation”

16:00-16:20

PUGOH SANTOSO (DC1, Kamiya lab.)

Chair person, LIU SHICHEN

“Development of Lipid-Modified Chitinase as New Anti-Fungal Reagents”

16:30-16:40 **Closing ceremony**