

BIOTECHNOLOGY AND CHEMISTRY FOR  
**GREEN GROWTH**

JSPS Japanese-German Graduate Externship Program  
13th and 14th March, 2018 Yumebutai, Awaji, Hyogo, Japan  
Sponsored by Japan Society for the Promotion of Science

**13th March**

13:00-13:30

**Welcome**

Prof. Eiichiro FUKUSAKI

Prof. Jun OKUDA  
Mr. Johannes SCHWEIZER  
Mr. Kazuya HASHIMOTO  
Prof. Genta KAWAHARA

(Coordinator of Seleca Program)  
(Senior Officer Economic Affairs at German Consulate General Osaka-Kobe)  
(Head, Bilateral Cooperation Division, International Program Department, JSPS)  
(Executive Vice President, Osaka University)

**Chemistry - I**

13:30-14:10

**Mark LAUTENS**

**University of Toronto, Canada**

Improving Efficiency via Catalytic and Multicatalytic Reactions

14:10-14:25

**Mark CALIN**

**RWTH Aachen University, Germany**

Synthesis of Molecular Dipoles for Work Function Modification in Organic-Electronic Devices

14:25-14:50

**Iris OPPEL**

**RWTH Aachen University, Germany**

Host-guest Chemistry of Large Supramolecular Wheels

Coffee Break

**14:50-15:05**

15:05-15:45

**Philip MOUNTFORD**

**University of Oxford, England**

Recent Advances in the Synthesis and Reactivity of Transition Metal Hydrazido and Borylimido Compounds

15:45-16:00

**Khai TRUONG**

**RWTH Aachen University, Germany**

An Active Ag/Yb<sub>2</sub>O<sub>3</sub> Catalyst for the Decomposition of N<sub>2</sub>O

16:00-16:15

**Danny SCHUHKNECHT**

**RWTH Aachen University, Germany**

Molecular Ytterbium(II) Hydrides Stabilized by an NNNN-Type Macrocyclic Ligand

16:15-16:40

**Magnus RUEPING**

**RWTH Aachen University, Germany**

Asymmetric Broensted Acid Catalysis

Coffee Break

**16:40-16:55**

**Biotechnology - I**

16:55-17:20

**Jochen BÜCHS**

**RWTH Aachen University, Germany**

Predicting the Amount of Expressed Protein through Evaluation of Metabolic Burden

17:20-17:35

**Kyra HOFFMANN**

**RWTH Aachen University, Germany**

Analysis of Different Promoter Systems for Poly( $\alpha$ -glutamic acid) Synthesis

17:35-18:00

**Lars BLANK**

**RWTH Aachen University, Germany**

Malate Production by the Unicellular Fungi Ustilago

18:00-18:15

**Shuichi SHIMMA**

**Osaka University, Japan**

Imaging Mass Spectrometry  
-How can we see what we cannot see-

Dinner Break

**18:15-19:10**

**Posters**

19:10-19:45

posters odd number

19:45-20:20

posters even number