

T-LSI Symposium on Life Science Innovation and Biomaterials

The symposium was held at Room 205, Laboratory of Advanced Research A in University of Tsukuba on September 5, 2018. Prof. Sosaku ICHIKAWA, University of Tsukuba, started the symposium with his welcome speech. Prof. Peter WALDE, ETH Zürich, gave a lecture on selective conjugation of enzymes with synthetic polymers using biomolecules. Prof. Tsunenori KAMEDA, Institute of Agrobiological Science, National Agriculture and Food Research Organization, gave an overview of hornet silk protein and its applications. Prof. Hidehiko HIRAKAWA, University of Tsukuba, talked about immobilization of a soluble cytochrome P450 using a self-assembling protein. The last speaker, Prof. Mitsutoshi NAKAJIMA, a Vice Program Leader of T-LSI, gave an impressive talk on development of microchannel emulsification technology. Participants engaged in a lively discussion the research topics

Program:

- 13:15 Opening: **Sosaku ICHIKAWA** (Professor, University of Tsukuba)
- 13:20 **Peter WALDE** (Professor, Department of Materials, ETH Zürich)
“Preparation and Applications of Dendronized Polymer-Enzyme Conjugates”
- 14:10 **Tsunenori KAMEDA** (Unit Leader, Institute of Agrobiological Science, NARO)
“Fibrous Silk with Coiled Coil Superstructure Produced by the Larvae of Hornets and its Application to Biomaterials”
- 14:55 **Hidehiko HIRAKAWA** (Associate Professor, University of Tsukuba)
“Immobilization of Soluble Cytochrome P450 Monooxygenase”
- 15:30 **Mitsutoshi NAKAJIMA** (Professor, University of Tsukuba)
“Development of Microchannel Emulsification Technology”

Organized by Tsukuba Life Science Innovation (T-LSI) Program, University of Tsukuba
Auspices of Faculty of Life and Environmental Sciences, University of Tsukuba

