

**HeKKSaGOn Symposium**  
**WG1 “Life and Natural Science Fusion”**  
**Preparatory Meeting for a New WG “Science for Health”**

**September 12 and 13, 2019, Neue Universität, Heidelberg**

**Day 1 (September 12, 2019)**

10:15                      General Introduction / Motomu Tanaka

**Updates of Recent/On-Going Networking: Towards New WG**

10:30 – 10:50              Motomu Tanaka (Heidelberg/Kyoto) Physical Chemistry

10:50 – 11:10              Martin Bastmeyer (KIT) Cell Biology, Biomaterial

**Break**

**Disease Models and Mathematical Modeling**

11:30 – 12:00              Fuyuhiko Tamanoi (Kyoto) Biomedical Engineering

12:00 – 12:30              Thomas Höfer (Heidelberg) Theoretical Systems Biology

12:30 – 13:00              Atsushi Mochizuki (Kyoto) Theoretical Biology

**Lunch**

**Medical Engineering and Mathematical Modeling**

14:10 - 14:40              Yoshifumi Saijo (Tohoku) Medical Engineering

14:40 - 15:00              Hiroshi Suito (Tohoku) Applied Mathematics

**Stem Cell Research: Development and Aging**

15:00 - 15:20              Anthony D. Ho (Heidelberg) Hematology

15:20 - 15:40              Thomas Holstein (Heidelberg) Developmental Biology

## **Break**

### **New Technology and Tools: Engineering Science and Biomedicine**

16:00 – 16:30 Kenichiro Kamei (Kyoto) Microengineering

16:30 – 17:00 Jan G. Korvink (Karlsruhe) Microengineering, Medical Engineering

### **Links to Excellence Cluster “3D Matter Made to Order”**

17:00 – 17:30 Martin Wegener (Karlsruhe) Applied Physics

17:30 – Wrap up for Day 1

## **Dinner**

### **Day 2 (September 13, 2019)**

#### **Disease Models and Mathematical Modeling**

9:00 – 9:30 Karel Svadlenka (Kyoto) Applied Mathematics

9:30 – 9:50 Tatsuaki Tsuruyama (Kyoto) Pathology

9:50 – 10:20 Ulrich Schwarz (Heidelberg) Theoretical Biophysics

## **Break**

#### **Chemistry and Physics for Medicine**

10:40 – 11:00 Christof Wöll (Karlsruhe) Coordination Chemistry

11:00 – 11:30 Yoshinori Takashima (Osaka) Supramolecular Chemistry

11:30 – 12:00 Florian Rehfeldt (Göttingen) Biophysics

12:00 – Wrap up for Day 2, brainstorming for the future