

**UNIVERSITÄT HAMBURG – KYOTO UNIVERSITY Symposium**  
**Hamburg, 7/8 June 2017**

**Polymer Chemistry**  
**From Precision Soft Matter Synthesis To Microfluidics**

**Venue:** Institute for Technical and Macromolecular Chemistry, Room A 39 TMC  
Bundesstraße 45, 20146 Hamburg

Panel Abstract:

Inspired by nature, the synthesis of precision polymers has become an achievable goal recently. Being able to molecularly control the sequence of polymer chains along with its overall lengths will propel scientists into to position to mimic nature in an unprecedented way. One the way to achieve this goal and open the route for mass-production not only synthetic challenges have to be mastered, but also the analytical tools and continuous production via microfluidics have to be addressed.

Panel Schedule, June 7<sup>th</sup>:

**Precision Synthesis**

**10.30 am – 12.00 pm**

**Patrick Theato:** Simplifying the synthesis of complex polymer materials

**Makoto Ouchi:** Precision Polymer Syntheses: Control of Side-Chain Sequence and Main-Chain Topology

**Volkmar Vill:** Liquid crystalline materials from carbohydrates

***12.00 pm – 1:30 pm lunch break***

**Soft Matter and Microfluidics**

**1.30 pm – 3.00 pm**

**Yoshihiro Sasaki:** Magnetically navigated protein transduction by hybrid nanogels

**Martin Trebbin:** Rapid Mixing Microfluidics for Time-Resolved X-ray Scattering

**Takuya Kubo:** Unique separations by polymer-based devices applicable for microfluidic analyses

***3.00 pm – 3.30 pm coffee break***

**3.30 pm – 4.30 pm**

**Lab/Institute tour**

**4:30 pm – 6:30 pm**

**Matchmaking discussion**