

# 1<sup>st</sup> SANKEN JSPS Symposium for the Circulation of Talented Researchers “Global Networking on Molecular Technology Research”

Supported by JSPS under the Program for Advancing Strategic International Networks to Accelerate the Circulation of Talented Researchers

**DATE: January 17, 2018**

**VENUE: SANKEN Lecture Hall, Suita-Campus, Osaka University**

14:15	<b><u>Opening Words</u></b> Seiji Takeda (Vice-Director, ISIR, Osaka University) Chair: Yoichi Yoshida (Prof. ISIR, Osaka University)
<b>14:20-14:50</b>	<b><u>Session 1: Keynote Speech</u></b> Chair: Seiji Takeda (Prof. ISIR, Osaka University)
<b>【1】 14:20-14:50</b>	On the topic of transport between 2D layered materials Joerg Appenzeller (Purdue University)
<b>14:50-15:30</b>	<b><u>Session 2: Molecular Structure Characterization</u></b> Chair: Yoichi Yoshida (Prof. ISIR, Osaka University)
<b>【2】 14:50-15:10</b>	High-power terahertz source using small accelerator Koichi Kan (ISIR, Osaka University)
<b>【3】 15:10-15:30</b>	Biological Viscoelasticity for Medical Applications Sonia Contera (University of Oxford)
<b><u>Coffee Break</u></b>	
<b>15:45-17:25</b>	<b><u>Session 3 Molecular Function Development</u></b> Chair: Yoshio Aso (ISIR, Osaka University)
<b>【4】 15:45-16:05</b>	Aptamers for biosensing Jean-Jacques Toulmé (University of Bordeaux)
<b>【5】 16:05-16:25</b>	Ribozyme switching triggered by synthetic small molecule Chikara Dohno and Kazuhiko Nakatani (ISIR, Osaka University)
<b>【6】 16:25-16:45</b>	Chair: Akira Oiwa (ISIR, Osaka University) Synthesis and edge functionalization of structurally defined graphene nanoribbons Akimitsu Narita (Max Planck Institute, Mainz)
<b>【7】 16:45-17:05</b>	Development of donor-acceptor copolymers based on fluorine-substituted benzodioxocyclohexene-annelated thiophene Yutaka Ie (ISIR, Osaka University)
<b>【8】 17:05-17:25</b>	Device application of transition-metal dichalcogenides Yijin Zhang (ISIR, Osaka University)
<b>17:25-18:05</b>	<b><u>Session 4 Materials Informatics for Molecular Designing</u></b> Chair: Tamio Oguchi (ISIR, Osaka University)
<b>【9】 17:25-17:45</b>	Computational design of topological materials Gustav Bihlmayer (Peter Grünberg Institut, Forschungszentrum Jülich)
<b>【10】 17:45-18:05</b>	Smart nanopores to detect single viruses and bacteria Masateru Taniguchi (ISIR, Osaka University)
18:05	<b><u>Closing Words</u></b> Tamio Oguchi (ISIR, Osaka University)