

Thursday, 30<sup>th</sup> January 2020

# 2<sup>ND</sup> WPI-NANO LSI SPECIAL SEMINAR *Frontiers in Chem-Bio*

## Our Speakers



**Prof Hiroaki Suga**  
The University of Tokyo  
Advisory board member of NanoLSI



**Prof Isao Kii**  
Shinshu University



**Prof Koichiro Uto** WPI-MANA  
National Institute for Materials Science



**Prof Shinya Tsukiji**  
Nagoya Institute of Technology



**Prof Hiromi Imamura**  
Kyoto University



**Prof Kazuhito Tabata**  
The University of Tokyo



**Prof Satoshi Arai**  
WPI-NanoLSI  
Kanazawa University

**1:00PM-5:20PM**



**Organizer:** Nano Life Science  
Institute (WPI-NanoLSI)

**Large Conference Room,**  
Natural Science and Technology Library Hall 1F



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Top > News & Public Relations > Events



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## Programme

Chairs: **Prof Satoshi Arai, Prof Katsuhiko Maeda, Prof Shigehisa Akiné** WPI-NanoLSI Kanazawa University

1:00PM	<b>Opening remarks</b> from <b>Prof Takeshi Fukuma</b> Director of WPI-NanoLSI, Kanazawa University	
1:05PM	<b>Prof Satoshi Arai</b> WPI-NanoLSI Kanazawa University	Thermodynamic Cell Engineering by Nanoheating System NanoHeating 技術を用いた細胞熱力学エンジニアリング
1:30PM	<b>Prof Koichiro Uto</b> WPI-MANA National Institute for Materials Science	Development of Shape Memory Polymer-based Mechano-Biomaterials 形状記憶高分子を基軸としたメカノバイオマテリアルの開発
2:00PM	<b>Prof Kazuhito Tabata</b> The University of Tokyo	Single virus measurements -Highly sensitive detection and distribution of virus populations- ウイルス   粒子をはかる - 高感度検出と集団内分布 -
<b>Break 20 min.</b>		
2:50PM	<b>Prof Hiroaki Suga</b> The University of Tokyo Advisory board member of NanoLSI	Revolutionizing the discovery process of bioactive peptides 特殊ペプチド創薬の革命
<b>Break 10 min.</b>		
3:50PM	<b>Prof Shinya Tsukiji</b> Nagoya Institute of Technology	SLIPT: a chemical approach for controlling protein localization and mammalian cell signaling タンパク質局在と細胞内シグナルを操る化学ツール「SLIPT」
4:20PM	<b>Prof Hiromi Imamura</b> Kyoto University	Genetically encoded fluorescent biosensors for understanding of metabolism at single cell level 遺伝子コード型蛍光バイオセンサーを用いたシングルセル代謝解析
4:50PM	<b>Prof Isao Kii</b> Shinshu University	An alternative strategy to develop a selective kinase inhibitor リン酸化酵素フォールディング中間体を標的とした創薬研究