Q-AOS

ブラウンバッグセミナー

Brown Bag Seminar No.070

Recorded data will be uploaded

Online (Zoom)

Scan here for Registration

2022 10.19 (wed.) 12:10 ~ 12:50

12:10-12:15 ◆ Introduction

12:15-12:40 ◆ Seminar (Presentation)

12:40-12:50 ◆ Q&A

https://temdec-med-kyushu-u-ac-jp.zoom.us/webinar/register/WN_pGKy9TJqQ0q3UNNc0aYYsA

Supported by Kyushu University,Q-AOS & TEMDEC

Super-resolution imaging: for everyone, everywhere in the world

Chair: **Assoc. Prof. Kun QIAN** (Research Futures Coordinator of Q-AOS)

Senior Vice President Kaoru TAMADA

Institute for Materials Chemistry and Engineering

Kaoru Tamada is a senior vice president and distinguished professor in Kyushu University. After 7 years' experience in chemical industry, she started her career in Academia. She has been working in 5 different countries and 9 different institutes/universities (Univ of Wisconsin-Madison, Max-Planck Institute, Australian National University, Singapore National University, RIKEN, AIST, Tokyo Tech, Tohoku Univ and Kyushu Univ). Her research area is surface science and nanoscience. The latest interest is plasmonic metamaterials composed of self-assembled metal nanoparticles and their bio-applications. She is appointed as an Associate Editor of ACS Applied Nano Materials, PO of e-ASIA JRP program in SICORP JST, Vice President of The Japan Society of Applied Physics, and a member of Science Council of Japan (a Chair of Kyushu-Okinawa division).

After the Nobel Prize in Chemistry in 2014, the invention of super-resolution optical microscopes aiming for nano resolution has been actively proceeded. However, it does not reach to the situation that researcher all over the world could get a benefit because of the requirement of complex and expensive instrumentations. Our group has proposed the new idea to realize super-resolution imaging conveniently and inexpensively by using self-assembled metal nanoparticles as an imaging substrate. The lecture will introduce the latest research outcome together with the principle of unique optical properties of nanomaterials.

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