

<b>[TuAM-05] Biological Assay</b>	
<b>Date / Time</b>	Aug. 28 (Tue.), 2018 / 10:00-12:00
<b>Place</b>	Samda B (Room D)
<b>Session Chair</b>	Roy Goodacre (University of Manchester, U.K.)

**[TuAM-05-K-1] (Keynote) 10:00-10:30**

**Multiplexed and Quantitative Bioanalysis Using Surface-Enhanced Raman Spectroscopy (SERS)**

Karen Faulds<sup>1</sup>, Fay Nicolson<sup>1</sup>, Kirsten Gracie<sup>1</sup>, Sian Sloan-Dennison<sup>1</sup>, Hayleigh Kearns<sup>1</sup>, Samuel Mabbott<sup>1</sup>, Lauren E. Jamieson<sup>1</sup>, Duncan Graham<sup>1</sup>, Elon. Correa<sup>2</sup>, and Royston Goodacre<sup>2</sup>

<sup>1</sup>University of Strathclyde, U.K., <sup>2</sup>University of Manchester, U.K.

**[TuAM-05-I-2] (Invited) 10:30-10:50**

**New Directions in Fiber-Enhanced Raman Spectroscopy for Biomedical and Environmental Applications**

Torsten Frosch<sup>1,2</sup>, Di Yan<sup>1</sup>, Anne Sieburg<sup>1</sup>, Tobias Jochum<sup>1</sup>, and Jürgen Popp<sup>1,2</sup>

<sup>1</sup>Leibniz Institute of Photonic Technology, Germany, <sup>2</sup>Friedrich Schiller University, Germany

**[TuAM-05-I-3] (Invited) 10:50-11:10**

**Encoded SERS Nanotags for Multiplex Bioassays**

Xiangwei Zhao

Southeast University, China

**[TuAM-05-I-4] (Invited) 11:10-11:30**

**Highly Sensitive SERS Detection of Small Molecules Using Plasmonic Nanoislands**

Ki-Hun Jeong

KAIST, Korea

**[TuAM-05-O-5] 11:30-11:45**

**Redox SERS Probes and their Application in Biology**

Jian Dong, Jie Sun, and Weiping Qian

Southeast University, China

**[TuAM-05-O-6] 11:45-12:00**

**Surface-Enhanced Raman Spectroscopy: A Tool for Bacterial Identification and Drug Quantification**

Anna Mühlig<sup>1</sup>, Izabella J. Jahn<sup>2</sup>, Karina Weber<sup>1,2</sup>, Dana Cialla-May<sup>1,2</sup>, and Jürgen Popp<sup>1,2</sup>

<sup>1</sup>Friedrich Schiller University Jena, Germany, <sup>2</sup>Leibniz-Institute of Photonic Technology (IPHT), Germany