



# Special Seminar

## Graphene-oxide Assisted SELEX (GO-SELEX) for Pair of Aptamers and Its Application on Sandwich-type Biosensors

### Prof. Man Bock Gu

Korea University

He has successfully developed an immobilization-free screening of aptamers by using graphene-oxide (GO-SELEX) for the first time in world. This method is specifically useful for finding a pair of aptamers binding at different binding sites of the same target moiety. The successful outcomes of sandwich-type binding and lateral flow biosensors for disease biomarker proteins in addition to a portable electrochemical sensing system will be discussed.

## Biomedical Engineering based on Biomolecular Engineering

### Prof. Koji Sode

The University of North Carolina at Chapel Hill and North Carolina State University

The research activities of Biomedical engineering (BME) in UNC/NCSU will be introduced. Also his role and contribution in the superb collaborative research and educational environment, which are based on his research concept in creating novel and practical biomolecules to realize the unprecedented biodevices being dedicated for medical application to contribute in the improvement of human health and quality of life will be introduced.

主催：広島大学スマートバイオセンシング融合研究拠点

日時：**2019年7月8日（月） 15時00分～16時30分**

場所：先端物質科学研究科 302S （広島大学東広島キャンパス）

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