



# 第77回HiHA Seminar

Hiroshima Research Center for Healthy Aging (HiHA)

主催: 広島大学健康長寿研究拠点

HIROSHIMA UNIVERSITY

## Metabolic Engineering for Sustainability and Human Well-being

**Prof. Yong-Su Jin**

**Biosystems Design (BSD), Microbiome Metabolic Engineering (MME), and Center For Advanced Bioenergy and Bioproducts Innovation (CABBI) Carl R. Woese Institute for Genomic Biology, University of Illinois at Urbana-Champaign**

Dr. Jin is pioneering the use of engineered microorganisms to deliver bioactive molecules and therapeutic proteins into the gut to prevent and treat gastrointestinal disease. He advances the use of engineered microorganisms for safe and sustainable production of value-added products from renewable biomass. He also optimizes genetic and metabolic processes within cells for enhanced production of target products while minimizing the production of byproducts and waste. In this seminar, he will talk about his recent works on developing systematic and combinatorial methods for strain improvement for producing fuels, chemicals, and nutraceuticals that can contribute to human sustainability and well-being.

Host: Ryuichi Hirota  
Associate professor  
Program of Biotechnology  
Graduate School of Integrated  
Sciences for Life  
Hiroshima University

※本セミナーは5研究科共同セミナーです  
A joint seminar across five graduate schools

**開催日時: 令和5年 1月4日(水) 11:00-12:00**

**会場: 広島大学先端科学総合研究棟 302S 会議室**

お問い合わせ先

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