

6 MAY 2021 | 1:00-4:30 PM CST

BIOENGINEERING GRADUATE STUDENT RESEARCH SYMPOSIUM

1:00 PM OPENING REMARKS

Bioengineering department head professor Mark A. Anastasio will welcome symposium attendees.

1:10 - 2:30 PM ORAL PRESENTATIONS

1:10 PM Suyue Lyu

Engineering Bacteroides Thetaiotaomicron to Secrete Heterologous Therapeutic Protein

1:30 PM Tori Barnhouse

Formation of a primary murine perivascular model to study hematopoietic stem cells in vitro

1:50 PM Vince Kelly

Expanding the therapeutic capacity of engineered commensal microbes

2:10 PM Mingxiao Zhang

Measuring CSF shunt flow with MRI using flow enhancement of signal intensity (Shunt-FENSI)

2:30 - 2:50 PM BREAK

2:50 - 4:10 PM ORAL PRESENTATIONS

2:50 PM Ishita Jain

Microenvironmental Control of Liver Stellate Cell Epigenetics and Fibrogenic Phenotypes

3:10 PM Jiaojiao Wang

The design and selection of maneuverable bio-hybrid walker through a systematic computational approach

3:30 PM Maha Alafeef

@At Anywhere VirSENSE COVID-19 Diagnostic Test

3:50 PM Weijing Wang

Single-step, wash-free digital immunoassay for rapid quantitative analysis of serological antibody against SARS-CoV-2 by photonic resonator absorption microscopy

4:10 PM AWARDS

Bioengineering graduate students will be recognized for research and teaching excellence.

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