

# INVITATION

## Straub Prize Competition Conference 2021

November 3, 2021, Zoom Space, ID: 821 7659 1548; pass: 4rykXp9m

<https://us06web.zoom.us/j/82176591548?pwd=aUVmY3V3V0ppcUhRaFNMM3NmNGlHdz09>

### PROGRAM

- 10:00-10:15 • Ajibola, Walliyulahi**  
Seeking novel antimicrobials derived from environmental bacteria
- 10:15-10:30 • Biswas, Avratanu**  
On the role of phycobilisomes and photosystem I oligomerization in the flow of excitation energy in cyanobacteria
- 10:30-10:45 • Diósdí, Ákos**  
Development of a 3 dimension (3D) high-throughput system for single-cell analysis in cancer research
- 10:45-11:00 • Gitau, Margaret**  
Investigation of the biostimulant/growth stimulating effect of eukaryotic microalgae on plants
- 11:00-11:15 • Grexa, István**  
Development of intelligent microscopy systems
- 11:15-11:30 • Gróf, Ilona**  
Investigation of a pentapeptide to facilitate cellular entry and barrier crossing of biomolecules on culture models of biological barriers
- 11:30-11:45 • Lima, Rui Dániel**  
The conserved nature of NCR signal peptides and the role of the nodSPP
- 11:45-12:00 • BREAK**
- 12:00-12:15 • Mitra, Arga**  
The structural mechanism of activation of G protein-coupled receptors
- 12:15-12:30 • Sahu, Neha**  
Comparative -omics analyses to understand wood decay strategies and the evolution of pathogenicity in *Armillaria* spp
- 12:30-12:45 • Sarkar, Arajit**  
Influence of membrane composition on Mu opioid receptor activation and assessment of the ligand binding and activation capabilities of its mutants
- 12:45-13:00 • Shetty, Prateek**  
Impact of algal-bacterial cocultivation on algal biomass and biohydrogen production
- 13:00-13:15 • Tóth, Tímea**  
Single-cell image analysis and machine learning methods using the cellular microenvironment
- 13:15-13:30 • Ürmösi, Adél**  
Analyzing the importance the loss of ubiquitinated protein autophagy due to a mutation in Ref(2)P/p62 in *Drosophila*

The 15 min presentation time includes 5 min discussion