**Kickoff Zoom Conference of**

**Dual Degree PhD Program between USP-IQ and OSU-CBC**

**Thursday, January 28, 2021**

**Zoom Information for all participants (will be emailed to participants on January 27)**

**Columbus Time (EST)**

**Sao Paulo Time**

**Introduction**

9 – 9:15 am

11 - 11:15 am

Profs. Mauricio da Silva Baptista (USP) and Rafael Brüschweiler (OSU)

**Session 1: 6 talks of 20’ each**

**9:15 am - 11:15 am**

**11:15 am - 1:15 pm**

9:15 am

11:15 am

Roberto Salinas (USP)

Solution NMR spectroscopy Applied to Study Secretion Systems and Membrane Transporters

9:35 am

11:35 am

Prof. Claudia Turro (OSU)

Inorganic Photochemistry for Drug Delivery and Solar Energy Conversion

9:55 am

11:55 am

Prof. Sayuri Miyamoto (IQUSP)

Lipid remodeling and protein modification studies by mass spectrometry

10:15 am

12:15 pm

Prof. Abraham Badu-Tawiah (OSU)

Open-Source Mass Spectrometry for Clinical Applications in Developing Countries

10:35 am

12:35 pm

Prof. Thiago C. Correra (USP)

Identification of Elusive Species by Mass Spectrometry

10:55 am

12:55 pm

Prof. Christo Sevov (OSU)

Battery-Inspired Strategies for Organic Electrosynthesis

**Session 2: Poster session**

11:15 - 12:15 pm

1:15 - 2:15 pm

Zoom Poster session

**Session 3: Q & A for interested graduate students and faculty**

**12:15 -12:45 pm**

**2:15 - 2:45 pm**

**Session 4:** **6 talks 20’ each**

**12:45 - 2:45 pm**

**2:45 - 4:45 pm**

12:45 pm

2:45 pm

Cassius Stevani (USP)

Fungal Bioluminescence: Mechanism and Ecological Function

1:05 pm

3:05 pm

Bern Kohler (OSU)

Spectroscopy of carbon-based nanomaterials

1:25 pm

3:25 pm

Graziella Eliza Ronsein

Understanding lipoproteins metabolism through high resolution, quantitative proteomics

1:45 pm

3:45 pm

Jane Jackman (OSU)

Insights into new pathways and mechanisms for RNA biosynthesis: lessons from slime molds to humans

2:05 pm

4:05 pm

Steffen Lindert (OSU)

Computational Biochemistry in the Lindert Lab: from protein structure prediction to computer-aided drug discovery

2:25 pm

4:25 pm

Prof. Lucas Veloso Rodrigues (USP)

Light storage materials: from mechanisms to new applications

**Concluding Remarks**