Greetings & Courtesies

Session 1. Imaging
Optimization of tissue clearing and vasculature labelling methods to study the neocortical vasculature
Maria Matossian, Prof Shmuel
Endogenous Fluorescent Tagging of Tau with CRISPR in iPSCs
Samuel Wang, Prof Hendricks

Session 2. Modelling and Analysis
Bioprocess analytics: Aptamer aggregation-based assays for the quantification of recombinant proteins and viral vectors
Patrick O’Neil, Prof Kamen
Microfluidic BBB model able to conduct TEER measurements
Alda Profka, Prof Mongeau
Formation of multicellular spheroids using an acoustofluidic platform as a proof-of-concept of tissue engineering applications
Karina Martinez Villegas, Prof Tabrizian
Finite element modelling of the newborn middle ear vibrations under quasi-static pressurization
Royan Jafari, Prof Funnell

Session 3. Genes and Data
BAD 2.0: Data mining, Databasing and prediction of protein adsorption on surfaces
Michael Phelan, Prof Nicolau
The effect of the Gorab gene on the mechanoresponse of bone
Beatrice Steyn, Prof Willie

Concluding Remarks