

Student day (preliminary) agenda

Moderator: Sakda Khoomrung

9:00 am Manop Pithukpakorn (Faculty of Medicine Siriraj Hospital, Mahidol University)
Introduction

9:20 am Lynn Schriml (University of Maryland School of Medicine)
ML/AI-ready biomedical and genomic data

9:40 am Susanna-Assunta Sansone (University of Oxford)
Standards across life Science

10:00 am Ramona Walls (Critical Path Institute) -
Biomedical data models and standards (OMOP, CDISC, FHIR) and how data are used for regulatory science.

10:20 am Scott Edmunds (GigaScience)
Open Access publishing

10:40 am Rob Finn (EMBL-EBI European Bioinformatics Institute) -
Challenges (and benefits) in depositing multiomics datasets

11:00 am **Break**

11:10 am Joao Setubal (University of São Paulo)
Metagenomics

11:30 am Tanja Woyke (Joint Genome Institute, DOE)
Single cell genomics

11:50 am Scott Tighe (University of Vermont)
DNA extraction techniques and/or technical challenges with microbiome experimental design

12:10 pm Phil Hugenholtz (Queensland University)
Human gut microbiome derived Therapeutics

12:30 pm Kasthuri J Venkateswaran (Jet Propulsion Laboratory, NASA)
Lessons learned from “Space Genomics”