



INSTITUTE FOR
INTEGRATIVE
SYSTEMS BIOLOGY

I²Sysbio seminar

Building & Expanding

BE-I²SysBio

9th Dec 24

9:30 WELCOME BY DIRECTORS

9:35- 11:15 ORAL PRESENTATIONS 1

9:35 "The social life of mobile genetic elements ". Alfred Fillol-Salom. The ecology of mobile genetic elements.

9:55 "The new phylum *Idossisbionellota* and other new bacteria from I²SysBio". Maria Dzunkova. Microbial single-cell genomics.

10:15 "Multiscale modelling and personalised simulations". Arnau Montagud. Systems Biology Modelling.

10:35 "Methods for multiomics data integration and modelling" Ana Conesa. Genomics of gene expression.

10:55 "Deciphering the marine microbiome". Guillem Salazar. Microbiome ecology.

11:15-11:45 BREAK

11:45 13:25 ORAL PRESENTATIONS 2

11:45 "From cells to ecology". Javier Buceta. The Simbiosys.

12:05 "Beyond RNA silencing: epigenetic insights into plant-virus dynamics" Regis Correa. Epigenetic complexes in plant immunity.

12:25 "Translating Phage Therapy: from bench to bedside" Pilar Domingo-Calap. Environmental and biomedical virology.

12:45 "Making sense: exploring the detectable space of Metabolic Engineering" Pablo Carbonell. Dynamics Biodesign.

13:05 "Stochastic adaptive mechanisms in molecular biology: regulation and evolution " Lucas Goiriz Beltrán. Biosystems design.

13:25 ANNUAL REPORT BY DIRECTORS

14:00 TRIBUTE TO THE PAST DIRECTORS

14:30 CHRISTMAS PICAETA