Colloquium on Systems and Synthetic Biology
"Mapping, understanding and engineering the microbiome"

CNB - CSIC

Campus Univ. Autónoma de Madrid
C/ Darwin, 3

February 28, 2020

Limited Capacity

Please Confirm Attendance at: synthetic@cnb.csic.es (Inés Merino)
Start of the Morning Session I
(Chair: Saul Ares)

09:45 - 10:00  INTRODUCTION: SUSANNA MANRUBIA
CNB-CSIC - Madrid, Spain
Title: From being to becoming

10:00 - 10:30  OPENING TALK: FERNANDO BAQUERO
Hospital Ramón y Cajal - Madrid, Spain
Title: Microbiomes: pieces, patterns and coalescences

10:30 – 11:00  KIRAN PATIL
EMBL - Heidelberg, Germany
Title: Towards model-guided assembly and evolution of microbial communities

11:00 – 11:30  Coffee Break

Start of the Morning Session II
(Chair: Juan Nogales)

11:30-12:00  FERNANDO PUENTE
CNB-CSIC - Madrid, Spain
Title: Species, ecotypes and the stability of microbial communities

12:00 – 12:30  ALBERTO PASCUAL
ETH Zürich - Zürich, Switzerland
Title: The diversity-function challenge in microbial communities.

12:30 – 13:00  FERNANDO MAESTRE
University of Alicante - Spain
Title: Understanding the global biogeography and ecology of soil microbial communities in a warmer and more arid planet

13:00 - 14:00  Lunch
Start of the Afternoon Session I  
(Chair: Mónica Chagoyen)

14:00 - 14:15 **ESTEBAN MARTÍNEZ**  
CNB-CSIC - Madrid, Spain  
Title: *SynBio tools to re-program the microbiome*

14:15 - 14:45 **DAVID PÁEZ**  
DOE Joint Genome Institute - California, USA  
Title: *Uncovering the Earth´s viriome*

14:45 – 15:15 **MANUEL PORCAR**  
Institute for Integrative Systems Biology - Valencia, Spain  
Title: *The biotechnological potential of unexplored animal microbiomes*

15:15 – 15:30 **BEATRIZ GARCÍA**  
Universidad Politécnica de Madrid - Madrid, Spain  
Title: *Engineering the microbiome under individualized perturbations*

15:30 – 16:00 **Coffee Break**

Start of the Afternoon Session II  
(Chair: Juan Poyatos)

16:00 – 16:30 **BALBINA NOGALES**  
Universidad de las Islas Baleares - Palma de Mallorca, Spain  
Title: *Functional diversity of chronically hydrocarbon-polluted marine communities*

16:30 – 17:00 **CLOSING TALK: CARLOS PEDRÓS-ALIÓ**  
CNB-CSIC - Madrid, Spain  
Title: *Riddles from the marine microbiome*

17:00 – 17:30 **GENERAL DISCUSSION AND CONCLUSIONS**