

Final Program Impromptu mini-Workshop CNB-Uni Warwick

Emerging issues of microbial communities

10 May at Lecture Room of CNB

09.15-09.30. Setting up the stage, welcome and intro by Víctor de Lorenzo and Orkun Soyer

MORNING SESSION

- 09.30-10.00. **Alvaro San Millan.**
National Center of Biotechnology CSIC. Department of Microbiology, Madrid
Title: Gene transfer across bacterial communities.
- 10.00-10.30. **Marco Polin**
Physico-Biological Interactions in the Ocean res. Med Institute for Advanced Studies, Mallorca
Title: Phototaxis of microalgae: lessons from *Chlamydomonas* and *Micromonas*
- 10.30-11.00. **Orkun Soyer**
Systems and Synthetic Biology Lab. Dept of Life Sciences at the Univ of Warwick.
Title: Role of spatial organisation in the assembly and stability of microbial communities
- 11.00-11.30. **David San León Granado**
National Center of Biotechnology CSIC. Systems Biology Department, Madrid
Title: Modelling microbial communities: An Integrative Genotype-Metabolic Phenotype Approach
- 11.30-12.00 Coffee break
- 12.00-12.30 **Esteban Martínez**
National Center of Biotechnology CSIC. Systems Biology Department, Madrid
Title: Genetic Tools for spatial assembly of bacterial communities.
- 12.30-13.00 **Javier Ruiz**
Unit of Microbiology, Faculty of Biology. Complutense University of Madrid
Title: Phylo-functional diversity and interaction patterns in wine yeast communities
- 13.00-13.30 **Chantal Valeriani**
Dept de Estructura de la Materia, Fac Ciencias Físicas. Universidad Complutense de Madrid
Title: Numerical modelling of *active* microorganisms
- 13.30-14.00 **Magda San Roman**
National Center of Biotechnology CSIC. Department of Microbiology, Madrid
Title: Exploring whether diversity begets diversity, using metabolic modelling.
- 14.00-15.00 Lunch break

AFTERNOON SESSION

- 15.00-15.30 **Marcela Villegas Plazas**

National Center of Biotechnology CSIC. Systems Biology Department, Madrid
Title: A bistable dynamic system for lifestyle differentiation inside monostrain microbial consortia

- 15.30-16.00 **Juan Diaz-Colunga**
National Center of Biotechnology CSIC. Department of Microbiology, Madrid
Title: Cohesiveness in microbial community coalescence
- 16.00-16.30 **Juan Nogales**
National Center of Biotechnology CSIC. Systems Biology Department, Madrid
Title: Microbial communities-driven distributed catalysis for Industrial Biotechnology.
- 16.30-17.00 **General Discussion** (animated by VdL and OS)

17.00 ADJOURN