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