



Hotel Bedel (<http://www.hotelesbedel.com>). Alcalá de Henares, Madrid.

Network Coordination: [Pilar García](#) (IPLA, Asturias)

Meeting Organization: [Modesto Redrejo Rodríguez](#) (UAM, Madrid)

Preliminary program

October 21		
Arrival		
20:00-23:00	Dinner	
October 22		
7:30-9:00	Breakfast	
9:00-9:15	Pilar García	Wellcome introduction
Guest Speaker		Chair: Modesto Redrejo Rodríguez
9:15-10:00	Pascale Boulanger I2BC, Université Paris-Saclay (France)	Bacteriophage T5: a fascinating system to explore the mysteries of phage infection
Structural and molecular biology of bacteriophages		Chair: Mark van Raaij
10:00-10:30	Mateo Seoane CNB, Madrid	Crystal structures and receptor binding of <i>Salmonella</i> and <i>Staphylococcus</i> phage host recognition proteins
10:30-11:00	Silvia Ayora CNB, Madrid	Identification of host factors affecting SPP1 propagation.
11:00-11:30	Coffee break	
11:30-12:00	Ester Serrano CNB, Madrid	Similarities and differences between natural transformation (chromosomal and plasmid) and viral transfection in competent <i>Bacillus subtilis</i> cells
12:00-12:30	Annika Gillis UCL, Belgium & CBMSO, Madrid	Uncovering novel tectiviruses preying on the <i>Bacillus cereus</i> group
Diversity and evolution of prokaryotic viruses		Chair: Josefa Antón
12:30-13:00	Yaiza M. Castillo ICM, Barcelona	Detection and monitoring of eukaryotic viruses during their life cycle using the VirusFISH approach
13:00-13:30	Felipe Hernades Coutinho UMH, Alicante	Viral biodiversity across a depth profile of the Mediterranean sea
Guest Speaker		Chair: Pilar García
13:30-14:00	Rosa Aznar UV & IATA, Valencia	La Colección Española de Cultivos Tipo y las iniciativas para la conservación y revalorización de los recursos microbianos españoles: REDESMI - MicroBioSpain - MIRRI
14:00-15:30	Lunch break	
Phages as part of the bacterial mobilome		Chair: Maite Muniesa
15:30-16:00	José Penadés U. of Glasgow, UK	¿Existen realmente los elementos genéticos móviles?
16:00-16:30	Ángeles Tormo-Más, IISLAFE, Valencia	Mecanismo de Movilización de las Islas de Patogenicidad por fagos endógenos de cepas clínicas de <i>Staphylococcus aureus</i>
16:30-17:00	Lorena Rodríguez UB, Barcelona	Fagos que movilizan genes de resistencia a antibióticos en cepas clínicas de <i>Escherichia coli</i>
17:00-17:30	Coffee break	
Clinical applications of bacteriophages		Chair: José Penadés
17:30-18:00	Roberto Vázquez CIB, Madrid	Endolysins against Gram-negative bacteria: enzymatic and non-enzymatic killing
18:00-18:30	María Tomás SERGAS, A Coruña	Estudio de fagos en cepas clínicas multirresistentes: <i>Acinetobacter baumannii</i> , <i>Pseudomonas aeruginosa</i> , <i>Klebsiella pneumoniae</i>
20:00-23:00	Dinner	
October 23		
Phage applications in biotechnology and industry		Chair: Ángeles Tormo-Más
9:00-9:30	Victor Ladero IPLA, Asturias	Fagos de <i>Lactobacillus parabuchneri</i> como herramienta biotecnológica frente a la acumulación de histamina en quesos
9:30-10:00	Ibai Nafarrete AZTI, Derio	Aislamiento y caracterización de nuevos fagos de <i>Campylobacter</i>
10:00-11:00	Maite Muniesa UB, Barcelona	Bluephage. The fastest method for the detection of phages as fecal indicators
11:00-11:30	Coffee break	
Virus-host interactions		Chair: Juan C. Alonso
11:30-12:00	Pilar Domingo Calap UV & I2SysBio, Valencia	Evolución experimental de Micobacteriófagos
12:00-12:30	Borja Aldeguer UA, Alicante	Microfluidica para estudiar interacciones virus-hospedador
12:30-13:00	Silvia González IPLA, Asturias	Analysis of parameters that affect diffusion, propagation and survival of the <i>Staphylococcus aureus</i> phage phiIPLA-RODI in bacterial biofilms
13:00-13:30	Concluding Remarks – Pilar García	
13:30	Lunch and departure	