

WORKSHOP PROGRAMME

10:00 - 10:30 am

José M. Valpuesta (CNB, Madrid) **The folding pathway of actin and tubulin mediated by an assembly line of molecular chaperones**

10:30 - 11:00 am

Luis M. Liz-Marzán (CIC biomaGUNE) **Nanoplasmonic Biodetection**

11:00 - 11:30 am

Miguel A. de Pedro (CBMSO, Madrid) **Cell wall elongation and septation: Who leads whom?**

11:30 - 12:00 am

Juan Ayala (CBMSO, Madrid) **Endopeptidases and carboxypeptidases in bacterial cell cycle. How many and for what purpose?**

12:00 -12:30 am. COFFEE BREAK

12:30 - 1:15 pm

Joe Lutkenhaus (U. Kansas) **Min system and the Z ring**

1:15 - 1:45 pm

Jesús Mingorance (Hospital La Paz, Madrid) **FtsA, bacterial division and the quest for a role**

2:00 - 3:30 pm LUNCH

3:30 - 4:00 pm

Marisela Vélez (ICP, Madrid) **Looking at individual FtsZ filaments on surfaces in solution: what we have learned so far**

4:00 - 4:30 pm

Germán Rivas (CIB, Madrid) **Macromolecular interactions of FtsZ: from physical biochemistry to reconstructing minimal divisomes in cell-like environments**

4:30 - 5:00 pm

José M. Andreu (CIB, Madrid) **Targeting bacterial cell division protein FtsZ with small molecules**

5:00 -5:30 pm

Paulino Gómez-Puertas (CBMSO, Madrid) **In silico design of new antimicrobial compounds directed against FtsZ**

5:30 - 6:00 pm

Francisco Monroy (U. Complutense, Madrid) **Membrane mechanics of bacterial division: a connection to Z ring mechanistic**

6:00 - 6:30 pm

Miguel Vicente (CNB, Madrid) **Zippering the Z**