



# International Symposium on Grids & Clouds 2016 (ISGC 2016)

## Monday, March 14, 2016

### Cryo EM Solving the Structure of Macromolecular Complexes: A Hands-on Workshop (9:00 AM - 10:30 AM)

time	[id] title	presenter
9:00 AM	[M104] General introduction to Cryo-EM single particles technique	TREVIN, Jose Miguel de la Rosa
9:45 AM	[M105] Introduction to Scipion framework	TREVIN, Jose Miguel de la Rosa

### Cryo EM Solving the Structure of Macromolecular Complexes: A Hands-on Workshop (11:00 AM - 12:30 PM)

time	[id] title	presenter
11:00 AM	[M106] Movies alignment (Xmipp)	TREVIN, Jose Miguel de la Rosa
11:30 AM	[M107] CTF estimation and screening (Ctffind4)	TREVIN, Jose Miguel de la Rosa
12:00 PM	[M108] Particle picking (Xmipp and Eman)	TREVIN, Jose Miguel de la Rosa

### Cryo EM Solving the Structure of Macromolecular Complexes: A Hands-on Workshop (4:00 PM - 5:30 PM)

time	[id] title	presenter
4:00 PM	[M111] 2D classification (Relion and Xmipp, maybe show precomputed results)	TREVIN, Jose Miguel de la Rosa
4:30 PM	[M112] Initial volume methods (Several packages)	TREVIN, Jose Miguel de la Rosa
5:00 PM	[M113] 3D classification and refinement (Relion, maybe show precomputed results)	TREVIN, Jose Miguel de la Rosa