

## "SICI Advanced Practical Course in Structural Techniques"

**11-14 April, 2011**

**CicBiogune - Technology Park of Bizkaia, Derio, Bizkaia.**

**Directors:** O. Millet (CicBiogune), L.A. Martínez-Cruz (CicBiogune), and D. M. A. Guérin (Unidad de Biofísica-UB , Fundación Biofísica Bizkaia, and UPV/EHU)

**Information:** This course is mainly oriented to graduate students, posdocs and young researchers belonging to the SICI consortium, but attendees from outside SICI will also be welcomed. The maximum number of participants will be 15. The course fee is 400€ and will cover all materials, lodging&meals during the course days.

Applications deadline is 1st April and will be received by the secretary's course: [rjorquera@umh.es](mailto:rjorquera@umh.es) .More information at: <http://sici.umh.es>

### Monday 11: X-ray Crystallography

09.45 - 10.00 Welcome Alfonso Martínez-Cruz

10.00 - 11.30 X-RAY: Alfonso Martínez-Cruz and Diego M.A.Guérin

11.45 - 12.30 Marcelo Guerin (UB-Ikerbasque): "Structural basis of lipid biosynthesis regulation in Gram-positive bacteria"

12.30 - 13.00 Round table/Discussion

13.30 - 15.00 Lunch

15.00 - 18.00 **Practical session I:** Crystallization, data collection, and modelling.  
Adriana Rojas (CicBiogune) and Jon Agirre (UB-UPV/EHU).

### Tuesday 12: NMR

10.00 – 11:30 NMR: Oscar Millet

11.45 - 12.30 Francisco Blanco (CicBiogune-Ikerbasque)

12.30 - 13.00 Round table/discussion

13.30 - 15.00 Lunch

15.00 - 18.00 **Practical session II:** Tammo Diercks (CicBiogune)

### Wednesday 13: TEM

10.00 - 10.45 TEM: Mikel Valle (UPV/EHU-CicBiogune)

10.45 - 11.30 David Gil-Cartón (CicBiogune)

11.45 - 12.30 Nicola Abrescia (CicBiogune-Ikerbasque)

12.30 - 13.00 Round table/Discussion

13.30 - 15.00 Lunch

15.00 - 18.00 **Practical session III (TEM):** David Gil-Cartón

### Thursday 14: Other structural techniques

09.30 - 10.15 José Luis Rodríguez Arrondo (UB-UPV/EHU) "Infrared spectroscopy studies of proteins: Amyloid fibril formation"

10.15 - 11.00 Ilya Reviakine (CicBiogune): "AFM for studying transmembrane proteins"

11.30 - 12.30 Closing lecture: Aitor Hierro (CicBiogune) "Structural basis for the wobbler mouse degenerative disorder caused by mutation in the Vps54 subunit of the GARP complex"