

EXPERIMENTAL TECHNIQUES IN BIOPHYSICS
(CALENDAR AUTUMN 2011)
Tuesdays and Fridays, 11h50-13h40
V12M, ground floor (Physics Building)

- **20/09/11.** Introduction (Dr. F. Ritort)
- **23/09/11.** Magnetic resonance. (Dr. M. Macias)
- **27/09/11.** X ray diffraction. (Dr. I. Fita)
- **30/09/11.** Calorimetry. (Dr. R. Prohens)
- **04/10/11.** Magnetic resonance and X ray diffraction. Lab visit. (Dr. I. Fita and Dr. M. Macias)
- **07/10/11.** Electron microscopy. (Dr. C. Lopez)
- **11/10/11.** Calorimetry Electron microscopy. Lab visit. (Dr. C. Lopez and R. Prohens)
- **14/10/11.** Optical tweezers. (Dr. F. Ritort)
- **18/10/11.** Optical tweezers. Lab visit. (Dr. F. Ritort)
- **21/10/11.** Magnetic tweezers. (Dr. M. Manosas)
- **25/10/11.** Magnetic tweezers. Lab visit. (Dr. M. Manosas)
- **28/10/11.** Special topic: DNA and RNA in biophysics (Dr. R. Eritja)
- **01/11/11. No lectiu**
- **04/11/11.** Nanoscale dielectric microscopy. Theory and lab visit. (Dr. G. Gomila)
- **08/11/11.** Single molecule fluorescence. (Dr. M. Garcia-Parajo)
- **11/11/11.** Single molecule fluorescence. Lab visit. (Dr. M. Garcia-Parajo)
- **15/11/11.** Atomic force microscopy. (Dr. D. Navajas).
- **18/11/11.** Atomic force microscopy. Lab visit. (Dr. J. Alcaraz)
- **22/11/11.** Engineered neural networks. (Dr. J. Soriano)
- **25/11/11.** Engineered neural networks. Lab visit. (Dr. J. Soriano)
- **29/11/11.** Special topic: Immunodetection of xenobiotics. (Dr. P. Marco)
- **02/12/11.** Special topic: Bacterial regulation of genomes (Dr. M. Pons)
- **06/12/11. No lectiu**
- **09/12/11. No lectiu**
- **13/12/11.** Molecular synthesis of nucleic acids (Dr. J. Camunas)
- **16/12/11.** Molecular synthesis of proteins (Dr. S. Frutos)
- **20/12/11.** Special topic: Talk on R&D by Dr. M. Princep, Directora d'Innovació Biocat, BioRegió de Catalunya
- **23/12/11.** Molecular synthesis of nucleic acids and proteins. Lab practical. (Dr. J. Camunas and S. Frutos)

Note: All lectures are subject to changes