

PHD PROGRAM ON MOLECULAR AND CELLULAR BIOLOGY

Biennial 2011-2012

Course Title: Functional Genomics and Proteomics
Dates: 7.02.11-25.02.11
Time: 10:00-13:00 and 15:30-18:30

Coordinator: Prof. Antonio Ferrer Montiel
IBMC, Office: D.0.05.
Email: aferrer@umh.es
Teaching material (ppt; pdf): <http://ibmc.umh.es>

Teaching language: English

Program:

1. 8.02.11-Introduction to the Course. **Prof. Antonio Ferrer**
2. 8.02.11-Neuroimmunology. **Dr. Isabel Devesa**
3. 9.02.11-Yeast Approaches. **Dr. Francisco Taberner**
4. 10.02.11-DNA Microarrays. **Dr. Luis Alcaraz**
5. 11.02.11-Functional Genomics. **Dr. Rosa Planells Cases**
6. 14.02.11-Chemical Biology. **Prof. Enrique Pérez Payà**
7. 15.02.11-Genomic tools and therapeutics. **Prof. Àngel Messeguer**
8. 16.02.11- In silico Approaches. **Prof. Gregorio Fernández**
9. 17.02.11- Proteomic Approaches. **Prof. Gregorio Fernández**
10. 21.02.11- Systems Biology. **Dr. Eva Yus**
11. 22.02.11-Genomics of the Immune System. **Prof. Amparo Estepa**
12. 24.02.11-Protecting Genomic Results. **Dr. Cristina Carreño.**
13. 25.02.11-Exploiting Genomics and Proteomics. **Dr. Luis Ruiz**

Exam: It will be an evaluation at the end of the course that will consist on the elaboration of a short project on a topic proposed by the coordinator. Students will have a week for writing their projects, that will consist on: Abstract, Background, specific aims, methodology (including expected results and anticipated problems and possible solutions), timetable and references.