AUHR РИУЦ
Universidad de Cádiz
Университет Кадиса

Vicerrectorado de Proyección
Social, Cultural e Internacionales
Aula Universitaria Hispano-Rusa
c/Benito Pérez Galdós, s/n oficina 126
11002 - Cádiz (España)
Tel. +34 956015648 Fax. +34 956015895

auhr@uca.es
www.auhr.es
facebook.com/auhruca
vk.com/auhr_uca
twitter.com/auhruca

RESEARCH METHODS IN INTEGRATED CELL BIOLOGY

Program Content:

- Experimental Techniques used in Cell Biology and Physiology.
- Advances in Biomedicine. Some of our current research projects will be presented and discussed.
- Practical courses.

Location:

- Theoretical classes: Seminar 1, School of Medicine, 1st floor.
- Practical courses: Area of Physiology, School of Medicine, 4th floor.

Professor staff:

- Carmen Castro González, PhD. (coordinator)
- Mónica García Alloza, PhD. (coordinator)
- Mª Isabel Murrillo Carretero, PhD. (coordinator)
- Victoria García Morales, Master degree in Biomedicine and PhD student
- Noelia Geribaldi Doldán, Master degree in Biomedicine and PhD student
- Laura Rubio Rubio, Bachelor degree in Biology and PhD student
- Juan José Ramos Rodríguez, Master degree in Biomedicine and PhD student
- Mª Carmen Infante García, Bachelor degree in Biology and PhD student
- Francisco García Bernal, Bachelor degree in Biotechnology and PhD student

UCA Universidad de Cádiz

Facultad de Medicina

Plaza Falla, 9
11003 – Cádiz
Tel. +34956015182
Correo-e: decanato.medicina@uca.es

Program Content:

1. Introduction to cell cultures. *Prof. Murillo*
2. Cell culture techniques and equipment *Prof. Murillo*
3. Animal models in Experimental Biology. The Type-3 diabetes mouse *Prof. García Alloza*
4. Neuroimage techniques and multiphoton microscopy *Prof. García Alloza*
5. Modulation of adult neurogenesis by different insults: brain injury and hyperhomocysteinemia *Prof. Castro*
6. New approaches in therapeutic protein production *Prof.Castro*
7. Intellectual property: when experimental results become inventions *Prof. Castro*
8. Protection of new inventions by Patents *Prof.Castro*
9. Practicum: Isolation and culture of neural precursors from mouse brain *Profs. Geribaldi and García Bernal*

10. Practicum: Analysis of animal behavior and histological sections *Profs. García Alloza and either Ramos or Infante*
11. Practicum: Electrophysiology. Computer neuronal simulations. Microscopic observation of cultures previously obtained by the students. *Profs. Rubio and García Morales*