

Speakers:

➤ **Ann Van Soom**, Dept of Reproduction, Obstetrics and Herd Health, Univ of Ghent, Belgium

➤ **Francesc Piferrer**, Institute of Marine Sciences, CSIC, Barcelona, Spain

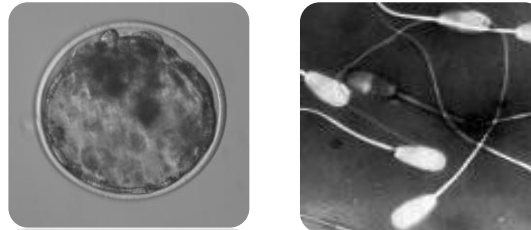
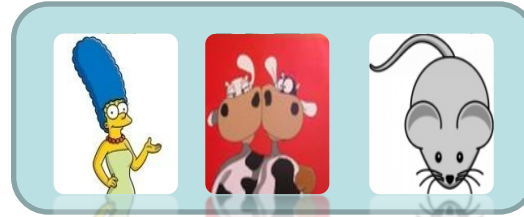
➤ **Mario Fernández Fraga and Agustín Fernández**, Cancer Epigenetics Laboratory, University of Oviedo, Spain

➤ **Alfonso Gutiérrez-Adán**, Dept of Animal Reproduction, INIA-Madrid, Spain

➤ **José B. Cibelli**, Animal Science and Physiology Depts, Michigan State University, USA

➤ **Sebastián Cánovas**, Andalucian Cellular Reprogramming Lab, LARCEL, Seville, Spain

Organizers:



*I Course on Epigenetics in Reproductive Biology,
3-7 June, 2013, Murcia, Spain*

Contact

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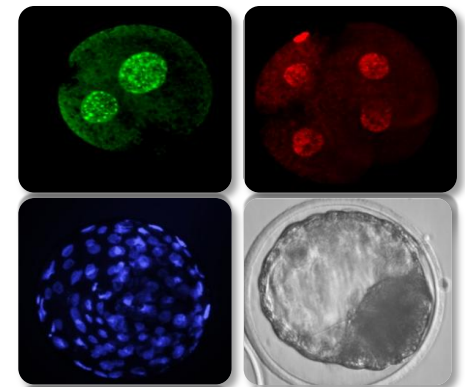
Sebastián Cánovas Bernabé:
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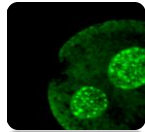
***I Course on
Epigenetics in
Reproductive Biology***

3rd- 7th June, 2013

University of Murcia, Spain



Programme



Monday June 3rd

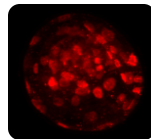
- 9:00-9:30. Welcome
- 9:30- 11:30. What is epigenetics and how can epigenetics be studied?. Dr. Ann Van Soom
- 11:30-12:00. Coffee Break
- 12:00-14:00. Epigenetic Control of reproduction, with special attention to sex determination and gonadogenesis. Dr. Francesc Piferrer
- 14:00:15:30. Lunch time
- 15:30-17:30. Techniques for analysis of epigenetic marks in fertilization. Dr. Sebastián Cánovas

Tuesday June 4th

- 9:30-11:00. The effect of environmental factors on the epigenetic status in fertilization. Dr. Mario Fdez Fraga
- 11:00-11:30. Coffee Break
- 11:30-13:00. The effect of environmental factors on the epigenetic status in embryonic development. Dr. Mario Fdez Fraga
- 13:00-14:00. Study of epigenetic alterations associated with male infertility. Dr. Agustín Fernández
- 14:00:15:30. Lunch time
- 15:30-19:30. Introduction to Next Generation Sequencing and Bioinformatic tools for large scale screening of epigenetic changes in gametes and embryos. Dr. Agustín Fernández.

Wednesday June 5th

- 9:30-11:00. Epigenetic re-programming through the germ cell development and gametogenesis. Dr. Sebastián Cánovas
- 11:00-11:30. Coffee Break
- 11:30-14:00. Epigenetic mechanisms involved in embryonic development. Dr. Alfonso Gutiérrez Adán
- 14:00:15:30. Lunch time
- 15:30- 17:30. Techniques for analysis of epigenetic marks in fertilization. Dr. Sebastián Cánovas



Thursday June 6th

- 9:30-13:30. Techniques for analysis of epigenetic marks in fertilization. Dr. Sebastián Cánovas
- 14:00:15:30. Lunch time
- 15:30-19:30. Techniques for genome-wide mapping of DNA-sequencing, DNA-binding proteins or histone modifications (Microarrays, ChIP, ChIP-chip). Dr. M^a José Lopez and Dr. Francisco Salazar.

Friday June 7th

- 9:30-12:00. Techniques for genome-wide mapping of DNA-sequencing, DNA-binding proteins or histone modifications (Microarrays, ChIP, ChIP-chip). Dr. M^a José Lopez and Dr. Francisco Salazar.
- 12:30-14:00. Epigenetic aspects of SCNT. Dr. José B. Cibelli.

Registration

The pre-registration period will be opened from 08/04/2013 to 28/04/2013. The accepted applicants will be able to register from 29/04/2013 to 10/05/2013. The cost of the course is 400 €, including registration fees, lectures, practical exercises and lab consumables, closing dinner and laboratory handbook.

The maximum number of participants will be 20.

Venue

The course will be held on Campus de Espinardo, University of Murcia, which is just a 15 minute tramride from the city center.

Theoretical and practical sessions will use different facilities from the Medical and Veterinary Schools as well as from the Central Services for Research Support located on Campus

