Biología
y Biomedicina

25

28 de **julio** a 1 de **agosto**

SEMINARIO

Clinical Embryology: From Normal Embryonic Development to Congenital Malformations

UIMP
Universidad
Internacional
Menéndez Pelayo

Cursos de verano **Santander**

Horario y dirección de contacto

Mañana de L a V: 9.00 a 14.00 h

Santander
Campus de Las Llamas
Avda. de los Castros, 42
39005 Santander
Tlf.: 942 29 87 00

Madrid
C/ de Isaac Peral, 23
28040 Madrid
Tlf.: 91 592 06 31 / 33

A partir del 16 de junio

Mañana de L a V: 9.00 a 14.00 h
Tarde de L a J: 15.30 a 18.00 h

Santander
Palacio de la Magdalena
39005 Santander
Tlf.: 942 29 88 00

alumnos@uimp.es
www.uimp.es

Organizado en colaboración con

CSIC
Consejo Superior de Investigaciones Científicas

Este curso es susceptible de ser reconocido como formación permanente del profesorado para el personal docente de los centros que imparten las enseñanzas reguladas en la Ley Orgánica 2/2006, de Educación, en base al artículo 21 y 29 de la Orden EDU/2886/2011, de 20 de octubre, por la que se regula la convocatoria, reconocimiento, certificación y registro de las actividades de formación permanente del profesorado.

Código 65Y3 - ECTS: 2,5

Dirección

Philippa Francis-West
Professor PhD. King's College London Faculty of Dentistry, Oral and Craniofacial Sciences, London, United Kingdom

Marian Ros
Professor MD, PhD.
Instituto de Biomedicina y Biotecnología de Cantabria, Santander, Spain

This course provides an in-depth exploration of human embryology, emphasizing key developmental stages and their clinical significance. Participants will examine normal and abnormal embryonic development, focusing on the genetic, epigenetic, and molecular mechanisms that regulate these processes. Special attention will be given to congenital malformations, their underlying causes, and the latest advances in research and medical interventions.
The course combines theoretical lectures with interactive case studies and discussions, fostering an integrated understanding of embryology in both research and clinical contexts. It will be delivered by internationally recognized researchers and clinicians, ensuring a multidisciplinary perspective.

Target Audience:
This course is designed for graduate and advanced undergraduate students in biology, medicine, and related fields, as well as researchers and clinicians working in genetics, developmental defects, rare diseases, and reproductive medicine. Participants will acquire a strong foundation in human embryology and its translational applications, enabling them to apply this knowledge to their studies, research, or clinical practice.

Collaboration:
Developmental Dynamics
Elsevier
Sociedad Española de Biología del Desarrollo (SEBD)
Conexión CSIC Genoma

Apertura matrícula
Desde el día 4 de abril de 2025
(plazas limitadas)

Solicitud
online

BB

Lunes 28 de julio

10.00 h Opening
Philippa Francis-West
Marian Ros

10.30 h Introductory Principles: Overview of human embryonic development (Lecture) and Overview of the causes of Birth defects (Tutorial)
Philippa Francis-West

12.00 h Gastrulation, Germ Layer Formation and the three primary body axes (Lecture). Left-right defects. Siamese twins (Tutorial)
Marian Ros

Martes 29 de julio

09.30 h Neural Tube Formation (Lecture) and Developmental Basis of CNS Anomalies (Tutorial)
Philippa Francis-West

12.00 h Neural Crest Cells (Lecture) and the Spectrum of Neural Crest Cell Disorders (Neurocristopathies) (Tutorial)
Paul Trainor
Professor, Editor-in-Chief, Developmental Dynamics
Stowers Institute for Medical Research, Kansas City, MO, USA.

Miércoles 30 de julio

09.30 h Vertebrate body patterning, regional identity (Lecture) and body malformations (Tutorial)
Moises Mallo
Professor Scientific Director
Gulbenkian Institute for Molecular Medicine, Lisboa, Portugal

12.00 h Limb development (Lecture) and Limb defects (Tutorial)
Marian Ros

Jueves 31 de julio

09.30 h Cardiovascular Development (Lecture) and Congenital Heart Defects (Tutorial)
Miguel Torres
Senior Group Leader and Coordinator of the Cardiovascular Regeneration Program
Centro Nacional de Investigaciones Cardiovasculares, Madrid, Spain

12.00 h Kidney Development (Lecture) and Congenital Anomalies of the Kidney and Urinary Tract (CAKUT) (Tutorial)
Domingo González-Lamuño
Professor and Chair Hospital Universitario Marqués de Valdecilla y Universidad de Cantabria, Santander, Spain

Viernes 1 de agosto

09.30 h Translational potential of developmental biology (Lecture): genetic engineering, stem cell research, and regenerative medicine (Tutorial)
Bárbara Pernaute
Junior Group Leader Centro Andaluz de Biología del Desarrollo (CSIC-UPO), Sevilla, Spain

12.00 h Round table. Congenital Malformations and Rare Diseases
Domingo González-Lamuño
Bárbara Pernaute
Philippa Francis-West

Moderator
Marian Ros

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Accede a las retransmisiones en streaming de los cursos y actividades en uimptv.es
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