

MASTER UNIVERSITARIO EN:

(Marcar la opción que proceda)

- SEMINARIO DE INVESTIGACIÓN con financiación obtenida en la Convocatoria de Ayudas UAM de Movilidad para estos seminarios.
- SEMINARIO DE INVESTIGACIÓN con financiación asignada al Máster Oficial en la partida presupuestaria del ejercicio en curso.
- OTROS SEMINARIOS

NOTA: Este Anexo ha de remitirse a posgrado.oficial@uam.es

La no cumplimentación exhaustiva de alguno de estos datos supondrá la devolución al remitente.

ANEXO B : Información para la difusión del seminario¹

Título: Epigenetics of cancer

Ponente: Esteban Ballestar

Fecha/Hora: 10-1-2019 11h

Facultad/Escuela: Medicina

Aula/Modulo: Seminario 14

Contenido del seminario**Ámbito:**

Programa de Doctorado en: Biociencias Moleculares

Línea/Tema de investigación: Epigenetics

Breve resumen (max. 150 palabras):

This seminar will provide a general overview of epigenetic mechanisms (DNA methylation and histone modifications) to understand their role and relevance in physiological processes, as well as understand how epigenetic marks are targeted. The seminar will also present an overview on methods and strategies for epigenetic and epigenomic analysis. Finally, the seminar will move into the current knowledge on how epigenetic marks are disrupted in the context of cancer, the impact of epigenetic alterations in cancer and how these changes can be used in the clinical setting as biomarkers. Also a general discussion on drugs that can revert epigenetic alterations will be provided. Finally, there will be some practical examples on some model to study some of the questions presented in the general overview.

¹ La información sobre el seminario no debe superar una página

Ponente: Breve resumen del CV (max. 200 palabras): Esteban Ballestar is research group leader at the Cancer Epigenetics and Biology Programme (PEBC) of the Bellvitge Biomedical Research Institute (IDIBELL) in Barcelona. Ballestar obtained his Ph.D. degree from the University of Valencia, specialising in chromatin and histone modifications. He then worked as a Postdoctoral Fellow at the National Institutes of Health, (Bethesda, USA) investigating associations between chromatin factors and methylated DNA. Later Esteban Ballestar worked as a senior scientist at the CNIO Cancer Epigenetics Laboratory in Madrid, where his principal area of research was the study of the implication of epigenetic alterations in human cancer. His current research is devoted to the establishment of different mechanisms of epigenetic deregulation in the context of immune-related disease (autoimmune and autoinflammatory syndromes, and immunodeficiency) and different immune cell differentiation models. Recent findings from his research group include the identification of a signature of DNA methylation alterations associated with systemic lupus erythematosus and in common variable immunodeficiency. Author of over ninety peer-reviewed manuscripts in high rank journals (including Nature, Nature Genetics, Nature Communications, Genome Research, Cell Stem Cell, Genome Biology, Molecular Cell and others), he is also member of numerous international scientific societies and reviewer for many journals, national and international funding agencies.