

**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](mailto: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 seminario<sup>1</sup>**

Título: Cancer Cell Metabolism: beyond Warburg

Ponente: Patricia Sancho

Fecha/Hora: 17 enero 2019 / 11h

Facultad/Escuela: Medicina

Aula/Modulo: Seminario 14

**Contenido del seminario****Ámbito:**

Programa de Doctorado en: Biociencias Moleculares

Línea/Tema de investigación: Cancer

**Breve resumen (max. 150 palabras):**

Since the discovery of the increased glucose utilization by cancer cells in the 1920's by Otto Warburg, the field of cancer metabolism has remained almost unchanged until the last decade, when it has exponentially grown. Nowadays, it is recognized that tumour metabolism is heterogeneous and dynamic, and profoundly dependent on microenvironmental conditions. Although most of the oncogenes and tumor suppressor genes directly impact on cellular bioenergetics, rewiring metabolism towards an anabolic state, the specific pathways activated may vary depending on the tumour context. Interestingly, the different cellular components of a tumour, including stromal cells, form an intricate network of communication through metabolites. Indeed, metabolic heterogeneity can be found in cells from the same cellular entity depending on their differentiation state and metastatic ability, indicating that specific metabolic phenotypes may confer cancer cells with diverse properties associated with aggressiveness.

**Ponente: Breve resumen del CV (max. 200 palabras):**

Dr. Patricia Sancho is an experienced researcher in the cancer field, with more than 15 years of experience in cancer research, and almost 5 years as principal investigator at the Barts Cancer Institute (London, UK) and IIS Aragon (Zaragoza, Spain), focusing in tumoral metabolism. Currently, she holds a Miguel Servet position funded by the Instituto de Salud Carlos III associated to the Traslational Research Unit (Hospital Miguel Servet, Zaragoza). During the last 5 years, she has published several papers as main author in high profile journals and has been invited as speaker in several international conferences. Her current research focuses on the study the role of cellular metabolism in tumorigenesis and metastasis in pancreatic cancer, with special emphasis on the role of cancer stem cells, which is funded by 2 different research grants.

<sup>1</sup> La información sobre el seminario no debe superar una página