



Identifying novel vulnerabilities in breast cancer brain metastasis

Friday, November 24, 2023, at 13:00 h

Summary:

Breast cancer brain metastasis (BCBM) is an aggressive form of metastatic spread occurring in 10-30% of breast cancer patients, with rising incidence. Partially due to the lack of representative experimental BCBM models, unique biological and molecular features of BCBMs are not yet exploited sufficiently in the development of therapeutic approaches specific to this condition. In the present study utilizing clinical datasets, mouse and patient-derived brain metastatic models we explored the role of the tyrosine kinase receptor, RET, in promoting breast cancer brain metastasis.

Speaker:

Dr Petra Jagušt, PhD

Affiliation and CV Summary:

RCSI University of Medicine and Health Sciences, Dublin, Ireland. Dr Petra Jagušt studied molecular biology in Zagreb, Croatia and obtained her PhD from the Barts and The London School of Medicine and Dentistry, Queen Mary University of London, UK. After finishing her PhD she joined the Endocrine Oncology Research Group at RCSI University of Medicine and Health Sciences in Ireland. The major focus of her research is gaining a better understanding of the mechanisms involved in the formation of breast cancer brain metastasis. Last year Petra was awarded an SFI RD&I Fellowship during which she used high-throughput methods to identify tissue infiltrating lymphocytes with high functional avidity in breast cancer tissues. Currently, as an Irish Cancer Society Research Fellow Petra is working on interrogating the interactions of breast metastatic cells with the brain microenvironment.

Organizers:

Patricia Sancho, Grupo Metabolismo y Células Madre TumORAles, Instituto de Investigación Sanitaria Aragón (IIS Aragón). Facultad de Medicina, Universidad de Zaragoza

Registration form:

<https://forms.gle/CEGMRiujdFSKMLhY7>

 Place: Sala de Grados. Facultad de Medicina. Universidad de Zaragoza.

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