



MSCA

Marie Skłodowska-Curie Actions

*Developing talents,
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Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Frédéric Lezot
Supervisor page	https://www.researchgate.net/profile/Frederic-Lezot
Host Institution	National Institute for Health and Medical Research (Inserm) https://www.inserm.fr/en/home/
Research Lab	Childhood genetic diseases laboratory https://geneticdiseases-lab.fr/
Research Team	Development Diseases https://geneticdiseases-lab.fr/research-topics/developmental-diseases/intellectual-disability/

Project Title

Deciphering the implications of RANKL signaling in osteosarcoma: from initiation to metastatic dissemination.

Project Description

The laboratory's work has established that RANKL signaling is involved at several levels during osteosarcoma development and metastatic dissemination. Recently, spontaneous development of osteosarcoma has been observed in a model of RANKL signaling disruption. This project aims to take advantage of this model and of cell cultures derived from tumors and their metastases to decipher the molecular implications of RANKL signaling in osteosarcoma.

Keywords

osteosarcoma, RANKL signaling, metastases

Description of the Host Research Lab

Our research unit (INSERM / Sorbonne University), in close connection with the molecular diagnostic activity of the hospital laboratory (AP-HP / Sorbonne University), is dedicated to the study of the physiopathology of three groups of human diseases with a genetic component: pulmonary diseases, auto-inflammatory diseases and developmental diseases. For all these diseases, cohorts of patients, exceptional both in size and phenotypic characterization, have been formed over the years. We combine genetic analyses and different molecular and cellular biology approaches to characterize the molecular and cellular bases of these diseases, which are still incompletely understood in the majority of these patients.

To submit your application, please send an email with the required documents to
msca-pf@sorbonne-universite.fr