



MSCA

Marie Skłodowska-Curie Actions

*Developing talents,
advancing research*

Postdoctoral Fellowships



Call for applications 2025 – FELLOWS

Supervisor	Christina Zeitz
Supervisor page	https://www.institut-vision.org/en/researchers/christina-zeitz
Host Institution	Sorbonne Université https://www.sorbonne-universite.fr/en
Research Lab	Institut de la vision https://www.institut-vision.org/en
Research Team	Identifying the molecular pathways involved in eye diseases, from gene to therapy https://www.institut-vision.org/en/research/identifying-molecular-pathways-involved-eye-diseases-gene-therapy

Project Title

Decipher the pathogenic mechanism of a novel gene defect underlying inherited retinal disorders using retinal organoids and retinal pigment epithelial cells derived from iPS cell lines obtained from patients

Project Description

Inherited retinal disease are genetic disorders with limited therapeutic options. Elucidation of the pathogenic mechanisms is necessary to establish therapies. Our group, directed by Isabelle Audo and Christina Zeitz identified novel gene defects and deciphered the associated disease mechanisms. The postdoctoral fellow will perform OMICS using retinal organoids and retinal pigment epithelial cells derived from patient iPS cells and zebrafish modeling to further decipher the pathogenic mechanism.

Keywords

Elucidation of pathogenic mechanism of novel gene defects in inherited retinal diseases using OMICS, Patient iPS derived retinal organoids and RPE cells, Zebrafish modeling

Description of the Host Research Lab

The Institut de la Vision brings together nearly 300 researchers in 18 research units specialized in ophthalmological pathologies. At the forefront of scientific innovation, these units conduct translational research aimed at developing cutting-edge technological solutions and therapeutic innovations for the prevention, diagnosis and treatment of these pathologies. Organized around five strategic research axes, the teams of the Institut de la Vision cover a wide range of topics, from the molecular physiology of vision to innovative therapeutic approaches.

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