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CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Gregory Gauvain
Supervisor page	https://www.institut-vision.org/index.php/en/researchers/gregory-gauvain
Host Institution	Sorbonne Université https://www.sorbonne-universite.fr/en
Research Lab	Institut de la Vision https://www.institut-vision.org/en
Research Team	Visual information processing https://www.institut-vision.org/en/research/visual-information-processing

Project Title

Refinement of optogenetic vision restoration strategies in primates

Project Description

Our team has strong expertise in vision restoration through optogenetics. This project is focused on enhancing gene therapy vectors for robust expression while targeting new regions of the visual system, such as the thalamus and cortex. This project is lead through a collaborative effort including engineering genetic construct, electrophysiology, behavior and an advanced in vivo imaging platform (2 and 3photon) to study the primate visual system.

Keywords

neuroscience, optogenetic, vision restoration

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