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Marie Skłodowska-Curie Actions

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Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Arnould Savouré
Supervisor page	https://iees-paris.fr/annuaire/savoire-arnould/
Host Institution	Sorbonne Université https://www.sorbonne-universite.fr/en
Research Lab	Institute of ecology and environmental sciences of Paris Page web du département
Research Team	Plant Adaptations to the Environmental Strength “APCE” https://iees-paris.fr/teams/plant-adaptations-to-strength/

Project Title

Unraveling the role of proline metabolism in plant energy and redox dynamics

Project Description

Proline, a multifunctional amino acid, accumulates in plants under stress, influencing processes like osmotic pressure. Our research aims to explore the role of proline metabolism in energy regulation and redox balance during plant development and stress responses. Using in vivo fluorescent protein-based sensors, we will investigate how proline impacts these processes. This study could lead to the development of plants with improved tolerance and energy efficiency under environmental stress.

Keywords

proline metabolism, energy metabolism, redox regulation

Description of the Host Research Lab

iEES-Paris develops generic theories on ecological and environmental systems in order to predict their dynamics in the context of global and local changes. It contributes to innovation in the sustainable management of biodiversity, ecosystems and agroecosystems and biological resources, to promote society's ecological transition.

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