PostDoc fellowship in Plant Mitochondrial Biology

INRA, Versailles, France

Institut Jean-Pierre Bourgin 78026 Versailles cedex France

A two-year post-doc position is immediately available in my group to investigate the functioning of the mitochondrial translation machinery in plants. Mitochondria are vital organelles in eukaryotes that are responsible for the energy production through aerobic respiration. Over the last years, significant progresses in understanding some aspects of gene expression in plant mitochondria have been made but translation, the last level of mRNA expression, has remained largely unexplored. It is nevertheless clear that despite of its prokaryotic origin, the mitochondrial translation machinery differs from its bacterial counterpart in many fundamental aspects. The recruited candidate will first explore the functional dynamics of mitochondrial translation to better understand its role in the phenotypic plasticity of plants. The function of nuclear-encoded trans-factors involved in the control of mitochondrial translation initiation will be also addressed.

Candidate will work at the Versailles Center of the National Institute for Agronomical Research (INRA), which possesses state-of-the-art research equipments, and facilities devoted to post-genomic technologies, including cell imaging, functional proteomics, transgenic plants etc…

Candidates with strong background in biochemistry/molecular biology and related research experience are especially encouraged to apply. Extensive experience with RNA work and in the analysis of NGS data will be an advantage. Salary will be commensurate with experience. To apply, send resume and a cover letter describing your interests, as well as names and contact information of at least two references to mireau@versailles.inra.fr.

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