



POST-DOCTORAL POSITION IN PLANT PROTECTION AND IMMUNITY

HEINLEIN team

IBMP, CNRS, France

Our team is interested to identify the molecular mechanisms of virus movement and antiviral defence in plants and to design new approaches for crop protection. We are looking for a suitable postdoctoral candidate to work in the frame of the international ERA-NET SusCrop2-funded project “BioProtect”, which aims to develop cost-effective and environmentally safe dsRNA-based agents for protecting crops against viruses, fungi, and insects, and to further understand the functional basis of dsRNA-induced immunity. Together with international partners in Germany and Finland, the appointed postdoc will design, produce, formulate and test agents for protecting vegetable crops against specific plant viruses and address the molecular nature of the protective mechanism by molecular and cell biology approaches. Moreover, the influence of temperature on virus infection, on the protective effect of the dsRNA agents, and on the underlying mechanisms will be investigated.

The position is located at the IBMP in Strasbourg (France) and available for 36 months, starting in June 2021.

Profile: We are looking for a highly motivated candidate with a PhD in plant biology and an excellent academic record. The candidate should have a strong background in plant molecular biology and cell biology. Specific experience in plant-pathogen interactions, virology, RNA biology, protein biochemistry, and bioinformatics is a plus. The candidate should be able to conceive, execute, and complete research projects, think independently and creatively, and have excellent written and verbal communication skills in English. The candidate shall work well in the team, supervise Master and PhD students, and present the project and its results to scientists and the public. She/he will participate in extensive collaborations, including mobility exchanges within Europe.

Application: Please send a motivation letter expressing your interest and suitability for the project, CV and publication list, and the names and e-mail addresses of three references to Manfred Heinlein (manfred.heinlein@ibmp-cnrs.unistra.fr).

The Institute of Plant Molecular Biology (IBMP; <http://www.ibmp.cnrs.fr/?lang=en>) is the largest CNRS research institute in plant science in France. It is associated with the University of Strasbourg and with the Doctoral School of Life Sciences and Health. It hosts 16 research teams with 135 staff members, including 92 permanents and currently 43 post-docs and PhD students. The institute is known for its expertise in plant genomics, genetics, metabolism, biochemistry, cell biology, and molecular physiology. It is equipped with staffed, high-end technological platforms for plant production, DNA sequencing and digital qPCR, bioinformatics, proteomics, microscopy, protein production, and metabolomics.

For further details and information, please contact Manfred Heinlein (manfred.heinlein@ibmp-cnrs.unistra.fr). The position will remain open until filled.