Postdoctoral position in Molecular Plant Pathology

A postdoctoral fellowship is available at the Plant Biology Unit of the Department of Biology at the University of Fribourg, Switzerland, for a motivated young researcher with an interest in molecular aspects of host-pathogen interactions.

The successful candidate will work in a project focussing on the interaction of Arabidopsis and Phytophthora brassicae as a model for agronomically important diseases caused by Phytophthora species. The mechanism of disease resistance of Arabidopsis to P. brassicae appears to differ from other pathosystems (Plant Journal 28, 293-305, 2001; Mol. Plant Pathol. 4, 237-248, 2003; Plant Journal 49, 159-172, 2007). The aim of the project is to find new components of host disease resistance and to identify Phytophthora effector proteins and their respective host targets. The project includes Arabidopsis mutant screening and analysis, searching for plant targets of Phytophthora effector proteins, expression profiling, analysis of the role of ROS production etc. A number of Phytophthora effector proteins have already been identified and tools for P. brassicae transformation and gene silencing have been established. The successful candidate will share the project with two PhD students.

Candidates should hold a PhD in Molecular Biology, Biochemistry or related fields or in Plant Pathology with a strong emphasis on molecular aspects. Preference will be given to candidates with experience in molecular techniques and/or modern microscopical analysis. The position is available from July 2007 for 2 years.

Applications should include a curriculum vitae, e-mail and telephone contacts of two potential references, and a short statement of personal research interests.

For application and further information please contact:
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