Post-doctoral position is available to study mechanisms and functions of autophagy in plant-pathogen interactions

Research in the Hofius lab focuses on molecular mechanisms of autophagy and programmed cell death during plant-pathogen interactions. The aim of the project is to elucidate the targets and functions of selective autophagy during immune responses, and to investigate how microbial pathogens manipulate autophagy pathways for enhanced pathogenicity. The work will involve genetic, biochemical, cell biological, and proteomic approaches mainly in Arabidopsis and tobacco plants. For more information about the Hofius lab, please visit the homepage: http://www.slu.se/D_Hofius.

The successful applicant will work in the research group of Prof. Daniel Hofius at the Department of Plant Biology, Uppsala BioCenter, Swedish University of Agricultural Sciences (SLU) (www.slu.se/en/vbsg) and Linnean Centre of Plant Biology in Uppsala (http://lcpu.se/).

Applicants should have a PhD degree and solid background in plant molecular biology and genetics. Documented experience in plant-microbe interactions, cell biology, proteomics and/or the analysis of protein-protein interactions is highly valued. Excellent communication skills in both oral and written English are expected. Candidates with a strong interest in plant innate immunity and autophagy research are especially encouraged to apply.

The project is funded by the Swedish University of Agricultural Sciences (SLU) for 2 years.

Applications, including CV, a description of research experiences, a statement of scientific interests and motivation for applying to this position, as well as contact information of 2-3 references should be submitted by e-mail to: daniel.hofius@slu.se.

The deadline for applications is January 6, 2017.