Two year post-doctoral position available at Umeå Plant Science Center and ENS Lyon in Plant Cell Biology

A two-year post-doctoral position with the possibility for extension for an additional year is available immediately to work on the role of cell wall mechanics in regulation of differential cell elongation in model plant Arabidopsis thaliana. The post-doc position is available in the context of a joint project between the lab of Rishi Bhalerao at UPSC in Umeå, Sweden and Olivier Hamant at ENS Lyon in France. The project builds on previous work from both labs: Hamant et al Science (2008), Uyttebwaal et al., Cell (2012), Hervieux et al.,Curr. Biol. (2016, 2017), Gendre et al PNAS (2011), Boutte et al PNAS (2013) and Gendre et al Plant Cell (2013), Jonsson et al (2017). We have isolated several mutants with altered secretion and cell wall composition that alter differential cell elongation in model plant Arabidopsis. The project aims to characterise these mutants using cell biological and biochemical and genetic approaches. The applicant must have a strong background in live imaging (confocal microscopy) and molecular biology and experience of working with Arabidopsis is essential. Good communication skills and ability to work in a group are essential.

The selected candidate will join a team using multidisciplinary approaches that range from cell biology, biomechanics and modeling and should be open to such interdisciplinary work. The project will also involve visits to the Hamant lab in Lyon.

Umeå Plant Science Center (www.upsc.se) is one of the world leading centers for research in plant biology. UPSC has state of the art equipment in genomics, confocal microscopy, metabolomics and proteomics and excellent plant growth facilities. UPSC has 150 researchers including 50 post-doctoral fellows and equal number of Ph. D and Master students. UPSC has a very international environment with researchers from 37 countries. Umeå also provides close access to outdoor activities such skiing, hiking, kayaking, etc.

Interested applicants should send cv with statement of interest and description of prior research and names of 3 referees.

Please send your applications to Rishikesh P. Bhalerao and Olivier Hamant

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