**Two year post-doctoral position available at Umeå Plant Science Center**

A two year post-doctoral position with the possibility for extension for additional year is available at Umeå Plant Science Center starting immediately to work on the role of secretion of auxin carriers and cell wall components in regulation of cell elongation in model plant Arabidopsis thaliana. The project builds on previous work in the lab: Gendre et al PNAS (2011), Boutte et al PNAS (2013) and Gendre et al Plant Cell (2013). We have isolated several cell elongation mutants in Arabidopsis in which components of vesicular trafficking machinery are defective and hormonal responses are altered. The project aims to characterise these mutants using cell biological and biochemical and genetical approaches. The applicant must have a strong background in use of confocal microscopy and molecular biology and experience of working with Arabidopsis is essential.

The selected candidate will join a team using multidisciplinary approaches that range from cell biology, chemical genomics and modelling in the Wallenberg foundation funded project. The other members involved in the project are Prof. Markus Grebe, Prof. Karin Ljung, Prof. Henrik Jönsson, Dr. Stephanie Roberts, Dr. Daniel Simon and Prof. Magnus Berggren.

Umeå Plant Science Center ([www.upsc.se](http://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

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