

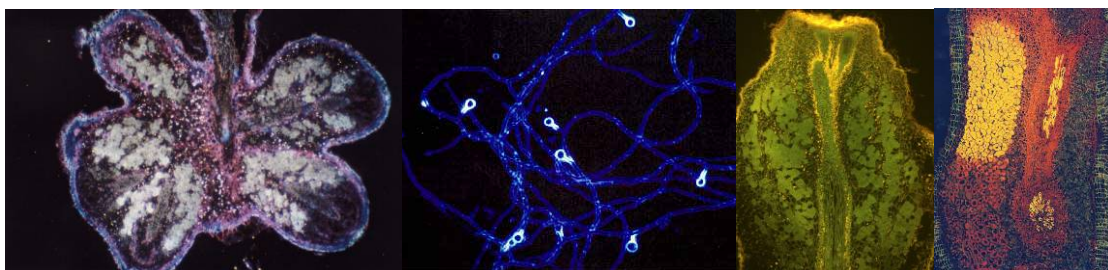
# PhD position

at

Plant Physiology  
Department of Botany  
Stockholm University

Project:

**Signal exchange in N<sub>2</sub>-fixing *Frankia*-plant symbioses:  
development of a gene expression-based bioassay for  
the identification of bacterial signal molecules**



Methods involved: subtractive cDNA libraries from *Alnus glutinosa* and *Datisca glomerata* root nodules, EST sequencing, microarray hybridizations, quantitative RT-PCR, promoter cloning, constructs for plant transformation, transgenic hairy roots of *Datisca glomerata* and/or *Alnus glutinosa*

This project is a collaboration between Per-Olof Lundquist (Swedish Agricultural University Uppsala), Stefan Jansson (Plant Science Center Umeå) and Katharina Pawlowski (Stockholm University).

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Deadline for applications is April 30, 2006