Post-doctoral position available at Umeå Plant Science Centre

Molecular dissection of nitrogen transport in *Populus*

We are looking for a Post Doc to join our research on molecular processes involved in nitrogen transport in trees.

The nitrogen group at UPSC study organic nitrogen nutrition in plants from ecological, physiological and molecular perspectives, and we aim to provide breakthrough knowledge regarding plant N nutrition. You will join our ongoing research to further explore the regulation of the proteins involved in nitrogen transport and their importance during different stages of tree growth and development, using *Populus* as model system. You will create and analyze transgenic *Populus* with respect to spatial and temporal gene expression patterns, protein localization, chemical composition and growth.

Applicants should have a PhD in plant biology or biochemistry. A strong background in plant genetics and plant cell- and molecular biology is highly desirable. The applicant must have adequate skills in English language and be able to easily communicate and discuss science.

Umeå Plant Science Centre (UPSC: http://www.upsc.se) is a centre of experimental plant biology in Umeå, Sweden, with a friendly and international atmosphere. UPSC provides excellent facilities for plant research and a unique set-up to study poplar and *Arabidopsis* biology. Umeå is a vibrant university town and the cultural capital of northern Sweden with good access to Stockholm and the rest of the world.

Funding is for 1 year and the stipend sum is 20000 SEK/month (tax free). Closing date for application is March 20, 2010. The application including a letter of interest detailing research experience, achievements and publications, CV, copies of degree certificates and two letters of reference should be sent to Ulrika Ganeteg (Ulrika.Ganeteg@genfys.slu.se), Umeå Plant Science Centre, Department of Forest Genetics and Plant Physiology, Swedish University of Agriculture, SE-901 87 Umeå, Sweden.

Welcome with your application

Publications of interest:

Svennerstam H, Ganeteg U, Bellini C, Näsholm T (2007) Comprehensive screening of Arabidopsis mutants suggest the Lysine Histidine Transporter I to be involved in plant uptake of amino acids. *Plant Physiol 143:1853-1860*

Svennerstam H, Ganeteg U, Näsholm T (2008) Root uptake of cationic amino acids by Arabidopsis depends on functional expression of Amino Acid Permease 5. *New Phytologist 180: 620-630*

Näsholm T, Kielland K, Ganeteg U (2009) Uptake of organic nitrogen by plants. *New Phytologist 182:31-48*