



www.upsc.se

A postdoctoral position addressing the mechanistic role of EARLY BIRD in the circadian clock is available at Umeå Plant Science Centre

The project aims at elucidating further the function of the NFX1 type protein EARLY BIRD (EBI) also known as AtNFXL2 which interacts with the blue light receptor ZEITLUPE (ZTL) and modulates the speed of the circadian clock (Johansson et al., 2011 *Plant Physiol* 155, 2108-2122). EBI impacts both on the expression of *CIRCADIAN CLOCK ASSOCIATED1 (CCA1)* and *TIMING OF CAB2 EXPRESSION1 (TOC1)*, therefore specific focus will be aimed at the partnership with ZTL and the mechanism(s) whereby EBI affect core clock gene expression. Studies also include examination of its suggested function in stress signaling (Lisso et al., 2006 *FEBS Lett* 580, 4851-4856). The experimental approaches comprise, cellular localisation studies, selection binding studies to identify EBI binding sites, yeast one and two hybrid interaction studies as well as circadian time series type experiments of transcript, protein and using real-time imaging techniques.

The position is open for one year with a possible extension for a second year. Highly motivated applicants with a good publication record will be considered. The requested experimental skills include a solid background in biochemistry and molecular biology. Previous knowledge on and studies of the circadian clock, plant biochemistry and imaging techniques is an advantage. To qualify for the position, the applicant should have a PhD degree or equivalent education in molecular biology, technical biology, biochemistry or biomedicine. The salary is 20000SEK (tax free) per month. The position is available from 1st of August and applications will be reviewed until the position is filled.

Umeå Plant Science Centre (UPSC) is a vibrant and international research centre within plant and forest experimental biology and biotechnology located in Umea, which is the capital of northern Sweden. Umea is an attractive university town with rich academic, cultural and outdoor activities. For more information, please contact Dr. Maria Eriksson (Maria.Eriksson@plantphys.umu.se).

Applicants should submit *Curriculum Vitae* including names of two people who will be able to provide a written reference, a statement of previous research achievements and a publication list by e-mail with the reference name "CTS2011" in the subject line to:

Dr. Maria Eriksson

UPSC, Department of Plant Physiology

Umeå University, SE-90187 Umeå, Sweden

Maria.Eriksson@plantphys.umu.se