

## Postdoctoral Position

### Metacaspases in model green algae: mechanisms and functions

This position is a part of recruitment campaign to launch [5-year project supported by Knut and Alice Wallenberg foundation](#) and aimed to advance our mechanistic understanding of metacaspase family proteases. The project will develop through a close cooperation between five research groups located in [Uppsala BioCenter, SLU](#) and in [Umeå University](#) (Sweden) and possessing complementary expertise in biochemistry, structural biology, drug design and plant cell and developmental biology. The successful candidate for this position will join [The Plant Catabolism Laboratory](#), at the [Department of Molecular Sciences](#), Uppsala BioCenter.

**Duties:** Previous studies carried out by the host and other laboratories have linked metacaspases to regulation of aging and cell fate in diverse organisms, but the underlying mechanisms including proteolytic substrates of metacaspases remain poorly understood. The main purpose of this project is to establish model systems and methodologies for elucidating metacaspase-related functions in green algae. The work will involve genetic, biochemical, and cell biological approaches mainly in *Chlamydomonas* and *Volvox*, whereas collaboration with structural biology and drug design partners in the consortium is expected to provide molecular tools for efficient manipulation of algal metacaspases in vivo.

**Qualifications:** We are looking for a highly motivated plant biologist (or phycologist) with strong analytical skills and keen interest in understanding mechanisms and role of proteolysis. Candidates with documented experience in algal models, including genetic transformation are particularly encouraged to apply. Excellent communication skills in both oral and written English are expected. To be eligible for a postdoctoral position, the applicant must have a PhD degree in life sciences obtained within the last four years. More senior candidates with relevant experience and strong publication record are welcome to apply as well; if selected they will be appointed as a researcher.

**Employment:** This is initially a two-year position with the possibility of extension

**Starting date:** 1 July, 2019, or soon thereafter

**Application:** Submit your application by following [this link](#) before the 22 April, 2019

The application must contain: i) a cover letter explaining why you are applying for this position and what you would like to discover in this project (max 1 page), ii) CV, including list of publications, and iii) contact information of two or three references.

**Further information:** Prof. Peter Bozhkov (Peter.Bozhkov@slu.se)

