

## David L Nieland

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**Subject:** PhD and Postdoc positions in Plant Eco-Evolutionary Dynamics in Sweden

Positions for one PhD student and one Postdoc in Plant Eco-Evolutionary Dynamics at Stockholm University and Uppsala University, Sweden

We seek a PhD candidate and a postdoc to join a project examining how adaptive genetic variation and demographic processes influence evolutionary response and population dynamics in a changing environment.

The research uses the perennial herb *Primula farinosa* as a model system, and focuses on the importance of variation in floral traits and life history in relation to differences in abiotic conditions, the intensity of biotic interactions, and climate. The project will combine demographic studies, field experiments, and population modeling, to address three main questions: (1) How is population viability influenced by local environmental conditions, grazing intensity and climatic variation?, (2) How does variation in abiotic environmental factors and grazing influence the genetic structure of plant populations?, and (3) How does the presence of genetic variation in traits of adaptive significance and evolutionary responses influence population viability in a changing environment? Specific subprojects can be tailored to the skills and interests of the successful candidates.

The project is a collaboration between the labs of prof Johan Ehrlén at the Department of Ecology, Environment and Plant Sciences, Stockholm University and prof Jon Ågren at the Department of Ecology and Genetics, Evolutionary Biology Centre, Uppsala University. The PhD student position will be placed at Stockholm University and the postdoc position at Uppsala University.

We are looking for candidates with a keen interest in population biology and eco-evolutionary dynamics. Previous experience of modelling, and field or experimental work is desirable. Proficiency in English is a requirement.

The successful PhD student candidate should have a degree in Biology at the advanced level (e.g. Masters) of at least 240 credits. The successful postdoc candidate should have a PhD completed within 3 years of the application deadline (reasons such as prolonged periods of illness and parental leave can motivate a longer period). The PhD student will receive a postgraduate position for four years of full-time studies. The postdoc position lasts for two years.

Deadline for applications

PhD student position: 20 November 2014

Postdoc position: 27 November 2014

Please find the announcements, with all information about how to apply, at:

PhD student position: <http://www.su.se/english/about/vacancies/phd-studies/phd-student-position-in-plant-eco-evolutionary-dynamics-1.205740>

Postdoc position: <http://www.uu.se/en/join-us/jobs-detail-page/?positionId=46084>

For informal enquiries, please contact Johan Ehrlén [johan.ehrlen@su.se](mailto:johan.ehrlen@su.se), +46-8-16 12 02, or Jon Ågren, [jon.agren@ebc.uu.se](mailto:jon.agren@ebc.uu.se), +46-18-471 2860.