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PhD student in Conservation Genomics and Immunogenetics

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Uppsala University is a comprehensive research-intensive university with a strong international standing. Our ultimate goal is to conduct education and research of the highest quality and relevance to make a long-term difference in society. Our most important assets are all the individuals whose curiosity and dedication make Uppsala University one of Sweden's most exciting workplaces. Uppsala University has over 54,000 students, more than 7,500 employees and a turnover of around SEK 8 billion.

A PhD student position in Conservation Genomics and Immunogenetics is available at the Department of Ecology and Genetics, Animal Ecology.

The Department of Ecology and Genetics is an international environment with staff and students from all over the world. Our research spans from evolutionary ecology and genetics to studies of ecosystems. For more information, see www.ieg.uu.se.

[Read more about our benefits and what it is like to work at Uppsala University](#)

Project description/duties: Climate change is predicted to increase temperatures worldwide and increase climatic instability. This will significantly impact infectious disease dynamics, altering pathogen distribution and disease intensity. Ectotherms are particularly susceptible to thermal changes, as they are dependent on the ambient environment to regulate their physiological processes, including the immune response. This PhD position will investigate how climate warming will impact immunocompetence in the sand lizard (*Lacerta agilis*), a vulnerable, temperate species in Sweden. It will integrate experimental biology with genomics, transcriptomics and epigenomics, applying population genetics and genome-wide

association approaches. The selected candidate will mainly engage in large-scale population genomics and quantitative genetics analyses that require solid bioinformatics skills. The candidate will also conduct field work, immune challenge experiments and molecular lab work to produce additional datasets. Additional duties include active participation in the research group activities, training of junior group members in relevant techniques and engagement in collaborative projects.

Qualifications required: To be eligible for a PhD-student position the applicant must hold a master degree (or equivalent) within evolutionary biology, ecology, bioinformatics or a related field. The ideal candidate will be highly motivated and have a strong interest in evolutionary biology and conservation genomics. A high standard of spoken and written English is required.

Qualifications desired: Experience with genomic techniques and bioinformatic analysis is highly advantageous, as well as an enthusiasm for field work.

Salary: According to local agreement for PhD students.

Starting date: 2022-08-01 or as otherwise agreed.

Type of employment: Temporary position according to the Higher Education Ordinance chapter 5 § 7. The graduate program covers four years of full-time study. The position can be combined with teaching or other duties at the department (maximum 20%), which prolongs the employment with the corresponding time. The salary will be set according to local agreements. Rules governing PhD students are set out in the Higher Education Ordinance chapter 5, §§ 1-7 and in [Uppsala University's rules and guidelines](#). More information about [postgraduate studies at Uppsala University](#).

Scope of employment:

100 %.

For further information about the position please contact: Dr Mette Lillie, researcher, mette.lillie@ebc.uu.se.

Application: The application should include: 1) a letter of intent describing yourself, your research interests and motivation of why you want to do a PhD, your past experience and technical skills relevant for the project, as well as other qualifications that makes you a suitable candidate, 2) your CV including publications list, 3) a copy of your master degree, your course grades and a copy of your master thesis, 4) the names and contact information to at least two reference persons (e-mail address and phone no.), 5) publications produced. The application should be written in English.

You are welcome to submit your application no later than 20 May, 2022. UFV-PA 2022/1343

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Please do not send offers of recruitment or advertising services.

Submit your application through Uppsala University's recruitment system.

Placement: Department of Ecology and Genetics

Type of employment: Full time , Temporary position longer than 6 months

Pay: Fixed salary

Number of positions: 1

Working hours: 100

Town: Uppsala

County: Uppsala län

Country: Sweden

Union representative: ST/TCO tco@fackorg.uu.se

Seko Universitetsklubben seko@uadm.uu.se

Saco-rådet sacco@uadm.uu.se

Number of reference: UFV-PA 2022/1343

Last application date: 2022-05-20

[Apply for position](#)