

## Postdoctoral position in statistical epidemiology and modelling

A two year full time position is available for a highly motivated post doc to take a central role in statistical epidemiology modelling projects for honeybee parasites and infectious diseases. The position will be located with the honeybee research group at the Department of Ecology at the Swedish University of Agricultural Sciences in Uppsala. The honeybee research group has close collaboration with e.g. the Swedish Beekeepers Associations, the national bee health advisor and the National Veterinary Institute (SVA).

The position is based at the Ecology Centre at the Swedish University of Agricultural Sciences, in Uppsala, Sweden. The centre conducts research on sustainable agriculture, forest production and biological conservation. This includes both fundamental and applied research on communities and ecosystems and the influences of land use and climate on animals, plants, soil nutrient status and greenhouse gas balance. This research forms the basis for solutions to mitigate climate change, preserve threatened species, and benefit biological diversity and ecosystem services and control pests in managed agricultural, forested and urban landscapes. Active dissemination, outreach and frequent contacts with stakeholders are key activities.

**Duties:** The postdoc will develop and implement quantitative dynamic epidemiological models to predict the risk of honeybee colony disease and mortality in relation to alternative treatment and management options. The project will evaluate existing veterinary epidemiological models and adapt these to incorporate honeybee-specific parameters. The models will apply data from various sources (e.g. biological, bioinformatic, seasonal, geographic, anonymized survey, treatment and disease data) and integrate different measures of epidemiological risk and uncertainty (e.g. odds ratios, expert knowledge, semi-quantitative measures).

**Qualifications:** A PhD degree in veterinary epidemiology, statistics or a related field. Experience in mathematical modelling. Applicants are expected to have a well-documented interest in epidemiological-statistical research, expertise with database development and management of large datasets as well as the design and statistical analysis of epidemiological and experimental studies. Documented ability to independently scientific research and ability to produce scientific publications is necessary. The applicant is expected to have good English oral and written communication skills and well-developed ability to cooperate. Experience with honeybees is advantageous but not required.

As postdoctoral appointments are career-developing positions for junior researchers, we are primarily looking for candidates with a doctoral degree that is the years old at most.

**Place of work:** Uppsala

**Form of employment:** Temporary employment for 2 years

**Extent:** 100%

**Application:** We welcome your application marked with **Ref no. SLU ua 3852/2016**.

Please submit your application to the Registrar of SLU, P.O. Box 7070, SE-750 07 Uppsala, Sweden or [registrator@slu.se](mailto:registrator@slu.se) no later than **November 15, 2016**.

SLU is an equal opportunity employer.

*The Swedish University of Agricultural Sciences (SLU) develops the understanding and sustainable use and management of biological natural resources. The university ranks well internationally within its subject areas. SLU is a research-intensive university that also offers unique degree programmes in for example rural development and natural resource management, environmental economics, animal science and landscape architecture.*

*SLU has just over 3,000 employees, 5,000 students and a turnover of SEK 3 billion. The university has invested heavily in a modern, attractive environment on its campuses in Alnarp, Umeå and Uppsala.*

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