

Postdoctoral position in the research group of Dr Hanne Løvlie at Linköping University, Sweden, on the topic of animal personality. The project will focus on mechanisms underlying variation in personality, the link to variation in cognition and learning, and the role of underlying variation in the monoamine systems (i.e. serotonin, dopamine), and is in collaboration with Prof. Svante Winberg (Uppsala University).

Despite intense recent research interest, we still do not know why animals have personality. This is partly because the architecture of animal personality is poorly understood. The aim of the announced position is to improve our overall understanding of the causes and consequences of variation in animal personality. More specifically the aim is to investigate the relationship between variation in personality and learning (together with other aspects of cognition), and their underlying genetic and physiological bases, with particular focus on the brain monoamines serotonin and dopamine. In other words, an exciting interdisciplinary project is offered that aims to improve our understanding of the relationships between personality and cognition, and their underlying mechanisms. We use the charismatic red junglefowl and domestic chickens as our main models, which together with excellent molecular tools enables a strong experimental approach. The post includes responsibility for conducting lab/fieldwork, carrying out behavioural and/or physiological experiments, analysing data and writing up results for publication. The postdoc will have access to previously collected behavioural, physiological and genetic data. To some extent the topic of the project is flexible and can be tailored to fit the skills and interests of the successful candidate.

Funding is available for two years, but is contingent on satisfactory progress in year one. The post doc is a stipend (i.e. no tax will be deducted) of 20,000SEK/month. The stipend does not give entitlement to sickness benefit, parental allowance, holiday pay or pension. Funding is awarded from Carl Trygger's Foundation. Requirements The successful candidate should be enthusiastic and dedicated to science, with a PhD and possibly some postdoctoral experience in a field of relevance to the project (e.g. animal behaviour, evolutionary biology, molecular biology, quantitative genetics and/or neurobiology). The candidate should have demonstrated excellent quantitative and analytic skills, and excellent communication abilities, particularly in written English. The latter should be demonstrated by a proven track record of publication. The candidate should also demonstrate their ability to work as part of a team. Previous experience of working with vertebrates, especially birds, is advantageous, but not necessary. If you are interested in this position, please send: (1) a letter of motivation (including a brief description of research experience and why you are suitable for the announced position), (2) a CV including a list of publications and contact details of two referees to: hanne.lovlie@liu.se . Please merge all documents into a single pdf-file and include your name in the file name. Deadline for submitting an application is

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th of March 2015

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Please feel free to contact me if you have any questions about the position!

Linköping University is a modern university with a consistently growing biology division. A major research focus at the Biology division is on animal behaviour, including behavioural genetics and animal welfare. Linköping is located central in Sweden, only a couple of hours away from other university cities, like Stockholm, Uppsala and Lund. Hanne Løvlie, Assistant professor IFM Biology, AVIAN Behavioural Genomics and Physiology Group Linköping University 58183 Linköping, Sweden hanne.lovlie@liu.se Home page and more information: <https://www.liu.se/forskning/foass/hanne-lovlie?l=en&sc=true>