Job posting

Type of position
☒ scientific
☐ administrative

Target group
☐ graduates
☒ post docs
☐ other

Title
PostDoc in the project "NeuSoSen - Neural Computations Underlying Social Behavior in Complex Sensory Environments"

Institution
ENI-G is engaged in a wide range of neuroscience research, including molecular and cellular as well as systems and cognitive neuroscience (http://www.eni.gwdg.de/).

Position
A postdoc position is available in the lab of Jan Clemens at the European Neuroscience Institute Göttingen, Germany. A major focus of the lab is discovering how sensory information is processed and integrated to drive behavior. We combine high-throughput behavioral assays, machine learning (pose tracking), computational modelling, and modern systems neuroscience tools (calcium imaging and optogenetics). The position is funded by an ERC starting grant, which started in February 2020 and runs for five years.

Responsibilities
The postdoc to be hired will focus on how different sensory modalities are integrated to organize social interactions in fruit flies, with the goal of identifying the neural substrates and computations driving social behavior. We are going to combine a variety of state-of-the-art techniques, including automated behavioral analyses, optogenetics, in-vivo two photon imaging, and computational modelling. The postdoc will have the opportunity to learn these skills in the lab.

Requirements
- PhD in neuroscience or biology, physics, engineering, computer science or equivalent
- Experience with at least one of these techniques: in vivo imaging, electrophysiology; Drosophila genetics and behavior; computational image analysis, computational modelling
- Experience with building closed-loop experimental paradigms (“virtual reality”)
- A track record of scientific publications or conference presentations
- Good command of the English language
The position is for 2 years initially and financial support is available for up to 3 years. Start date is February 2022 or upon negotiation. Deadline for application is December 15\textsuperscript{th} 2021.

Please send your application as a single pdf to Jan Clemens (c.clemens@eni-g.de), including a CV as well as names and contact details of two references. Please make sure to include a short statement of why this project interests you and how you think you could contribute, based on your scientific background.