



UNIVERSITY OF
GOTHENBURG

POSTDOCTORAL FELLOWSHIP IN ADDICTION BIOLOGY

Neurobiology of alcohol use disorder using Intravenous self-administration of Alcohol (IV-ASA)

Alcohol Use Disorder (AUD) is a comorbid and highly prevalent disorder, causing severe health problems for individual and high costs to the society. Existing pharmacotherapy has shown limited efficacy and therefore further investigation of possible neurochemical targets of alcohol are warranted and could lead to new pharmacological interventions.

The current project aims to reveal the underlying neural circuits regulating AUD and identifying new treatments of AUD using the intravenous alcohol self-administration (IV-ASA) method. The postdoctoral fellow will work under the research umbrella of Associate professor Jerlhag as well as Professor Söderpalm.

Initially, the postdoctoral fellow will have the unique opportunity to set up the IV-ASA method in the lab (at the addiction biology Unit, Sahlgrenska University Hospital/University of Gothenburg, Sweden). Following ethical approval, the postdoctoral fellow will run a clinical study using the IV-ASA model where the efficacy of available as well as novel pharmacological treatments, which mainly are based on preclinical studies, will be explored. Initially, the postdoctoral fellow will have the unique opportunity to set up the IV-ASA method in the lab (at the addiction biology Unit, Sahlgrenska University Hospital/University of Gothenburg, Sweden), in collaboration with US and European Scientists. Following ethical approval, the postdoctoral fellow will run a clinical study using the IV-ASA model where the efficacy of available as well as novel pharmacological treatments, which mainly are based on preclinical studies, will be explored.

This postdoctoral stipend is funded by Elisabet Jerlhag's research group at the Department of Pharmacology, University of Gothenburg, a research intensive workplace with ample opportunities for interaction with other research groups within the field of pharmacology, psychiatry, neurobiology and neuropharmacology. The postdoctoral fellow will also have close contact with researchers from other departments and universities in Sweden and abroad.

We are looking for a candidate with a strong interest in the neurobiology of AUD. A suitable candidate has a solid neuroscience background, and preferentially previous experience of IV-ASA model. In addition, experience of clinical studies and preclinical behavioral studies are merited skills. Good communication, scientific writing and presentation skills, scientific integrity, and personal suitability with the rest of the research team are necessary.

Send your application including a personal letter, CV and PhD certificate to elisabet.jerlhag@pharm.gu.se before 1st of May 2018.