

## **Short-term scientific mission announcement for Grant period 3 (May 2016-April 2017)**

**Title: Epidemiological Analysis of a Twin Cohort**

**Host:** Karolinska Institutet, Department of Physiology and Pharmacology, Von Eulers Väg 8, second floor; 171 77 Stockholm, Sweden.

<http://ki.se/en/people/chrccd>

**Supervisor:** Dr. Christopher R. Cederroth, PhD

**Goal of the STSM:** This mission would enable the visiting researcher to initiate and conduct the epidemiological analyses of a Twin cohort of more than 80'000 people, 18% of which have declared experiencing chronic tinnitus. The initial steps of the study is to investigate the associated co-morbidities in this population.

**What the STSM host offer to the grantee:** The Division of Experimental Audiology performs research on different aspects of hearing disorders and tinnitus – from molecule to patient. Our research group investigates the cellular mechanisms underlying hearing loss and tinnitus using a battery of physiological and molecular techniques. The group works in an inspiring and interactive research environment at Campus Solna and has on-going collaborative projects with national and international colleagues.

We have access to large public cohorts where we have identified nearly 30'000 people having reported chronic tinnitus, which will be contacted for a subtyping. This project, named STOP (Swedish Tinnitus Outreach Project), will help us i) determining the prevalence of tinnitus subtypes, ii) identifying relevant groups of patients for genetic analyses and iii) for the testing of a new outcome measure instruments with hopes of guiding policy makers in the implementation of effective strategies to cure tinnitus.

**Requirements of the grantee:** Within STOP, your tasks will be to analyze the epidemiological data of the first of the 5 local cohorts, summarize and interpret results of the analysis and illustrate patterns of health, illness, protective factors and risk behaviors.

Further, you will provide research and methodological support to the staff members:

- Data input and epidemiological analysis
- Report writing / manuscript writing / presentation of concepts and results

Supervision: Your work within STOP will be under the direction of Prof. Barbara Canlon, and the supervision of Dr. Christopher Cederroth.

The applicant is expected to have a strong interest in big datasets. The research project will take place in a creative environment in close collaboration with other PhD students,



postdocs and researchers. The applicant is expected to pro-actively perform his research and to analyze and present results.

**Duration:** This STSM is available for 4 weeks during Winter 2016-2017. An extension in the framework of another mission (up to next 12 weeks) to analyze the additional cohorts could be discussed, according to the results obtained and the budget available.

**How to apply for the STSM**

Please contact [christopher.cederroth@ki.se](mailto:christopher.cederroth@ki.se) in the first instance. If both parties agree, please request an application form from Susanne Staudinger [Susanne.Staudinger@medbo.de](mailto:Susanne.Staudinger@medbo.de)

After completion of the STSM the grantee is required to submit a scientific report (3-4 pages) on the visit within 30 days after end of the stay. Please submit the report to the STSM coordinator: [malgorzata.wrzosek@amu.edu.pl](mailto:malgorzata.wrzosek@amu.edu.pl)