

Department of Clinical Sciences, Lund
Division of Logopedics, Phoniatrics and Audiology

Academic Career Overview

I am a young, independent researcher with a strong focus on tinnitus and auditory research, with a proven ability to build and maintain transdisciplinary collaborations across institutions. Currently an Associate Researcher at Lund University, I have cultivated expertise in audiology and tinnitus through a combination of research and clinical work. My academic journey began with a BSc and MSc in Audiology from Lund University, where I further pursued a PhD in Clinical Medicine. My doctoral research broke new ground by investigating the relationship between tinnitus and cognitive performance, showing that cognitive deficits previously attributed to tinnitus may, in fact, be related to unassessed high-frequency hearing loss.

One of the hallmarks of my career has been my ability to lead innovative projects that bridge different disciplines. During my tenure at the national institute for hearing and speech in Iceland (Heyrnar- og Talmeinstöð Íslands), I served as a research consultant for deCODE genetics, a global leader in population genetics research. This collaboration allowed me to integrate genetic insights into the broader context of auditory and cognitive research.

In my recent postdoctoral work, I've been investigating whether the tinnitus mitigating properties of conventional hearing aid amplification could be augmented with modified amplification at the frequency region corresponding to the individual's perceived tinnitus pitch. As part of this project, I am part of ongoing investigation into whether arterial spin labeling (ASL) measures of cerebral blood flow could serve as a biomarker for tinnitus has the potential to further expand the potential for MRI-based diagnostic tools, with implications for both auditory and cognitive health. Utilizing MRI for this purpose is a result of my collaboration with the national Swedish 7T facility at Lund University, Lund Bioimaging Center, where I have also developed critical safety routines to minimize hazardous noise exposure during MRI examinations.

Another key collaboration has been with the Max Planck Institute for Human Development in Berlin, which provided essential support for my postdoctoral application and have been a fantastic partner throughout my postdoc project. This collaboration facilitated a unique synergy between auditory science and neurocognitive research. Additionally, I am actively involved with the CoPARLU Center of Physical Activity Research at Lund University, where I contribute to interdisciplinary investigations on the role of physical activity as a protective factor against hearing loss, a subject of growing importance in preventive audiology.

Throughout my career, I have successfully secured independent research funding, totaling over 300 000 €, including prestigious grants from AFA Insurance, and the Crafoord Foundation. These accomplishments reflect my ongoing commitment to advancing the field of audiology and tinnitus research through collaborative, cross-disciplinary efforts that bridge clinical, genetic, and neuroscientific perspectives.
