

The Centre for Proteomics of the University of Antwerp is looking for a full-time **doctoral scholarship holder in the field of Proteomics and Protein Biochemistry**.

The PhD project will focus on the identification and interactions of proteins in the tip-link complex, a protein complex critical for hearing, localized in the hair bundles of the auditory sensory cells. Many of the proteins involved in this complex remain unknown. By state-of-the art proteomic techniques we want to identify new previously unknown components of these complexes. For some of these newly identified components we want to carry out the biochemical characterization of the involved protein-protein interactions. For this purpose interactions will be verified between co-expressed proteins in cultured cells and the interactions between recombinant proteins will be analyzed by biochemical and biophysical techniques.

This PhD project makes part of the FWO funded project "A mass spectromic approach to identify novel components of a key complex involved in auditory hair cell function, analysis of their interactions and functional characterisation" which is a collaboration between Centre for Proteomics (University of Antwerp, Prof. Geert Baggerman), Laboratory of Medical Biochemistry (University of Antwerp, Dr. Pieter Van Wielendaele) and The Hearing Institute (Institut Pasteur (FR), Prof. Christine Petit).

Position

- You will work actively on the preparation and defence of a PhD thesis.
- You will publish scientific articles related to the research project.
- You will work together with experts from different laboratories at the University of Antwerp and from The Hearing Institute (Institut Pasteur, Paris)

Profile

- You hold a Master degree in the Biomedical Sciences, Biology, Biochemistry or Pharmaceutical Sciences or you will have obtained it by the time you start to work.
- You can demonstrate excellent study results and are motivated to write a grant to obtain a PhD fellowship.
- You are good in bench work and want to gain knowledge and expertise in proteomics and protein biochemistry
- You are willing to travel occasionally to Paris in the context of the collaboration with The Hearing Institute
- You are goal oriented and you can work independently
- You act with attention to quality, integrity, creativity and cooperation.
- You are interested in protein biochemistry and neuroscience
- You have a hands-on mentality and like lab work
- Knowledge of and experience in cell culture, production & purification of recombinant proteins and/or protein interaction analysis is a plus

What we offer

- We offer a doctoral scholarship for a period of two years. Following a positive evaluation, the scholarship will be renewed once for another two-year period.
- The planned start date is negotiable.
- Your monthly scholarship amount is calculated according to the [scholarship amounts](#) for doctoral scholarship holders on the pay scales for contract research staff of the University of Antwerp
- You will work in a dynamic and stimulating working environment. You will work with experts for each of the different research disciplines involved in this project.

Want to apply?

- You can apply for this vacancy through the University of Antwerp's online job application platform up to and including **07 February 2022** (by midnight Brussels time) via this link: [Doctoral scholarship holder, Proteomics and Protein Biochemistry | University of Antwerp \(uantwerpen.be\)](#)
- If you have any questions please contact Professor Geert Baggerman (Geert.Baggerman@uantwerpen.be) or Dr. Elise Pepermans (Elise.Pepermans@uantwerpen.be)