

Postdoctoral fellow position in molecular sensory neuroscience (hearing research, mouse genetics).

The postdoctoral fellow will work in a project led by Dr. Piotr Kaźmierczak at the **Center of New Technologies of the University of Warsaw** (<http://www.cent.uw.edu.pl>). The position is funded from an OPUS grant until 31st March 2020. **Please apply before 1st of February 2018.** The preferred **starting date** is the **1st of April 2018, negotiable.**

CeNT UW offers a modern and dynamic research environment with ample opportunities to interact and share ideas with experienced researchers in related fields of mouse genetics and molecular neuroscience as well as other areas of biology, chemistry and computational science. English is the working language of the lab.

Our team is interested in understanding the molecular mechanisms that underlie the function of hair cells, the sensory cells that detect sound in the inner ear. These epithelial cells are terminally differentiated, electrically excitable in response to acoustic vibrations and able to transmit signals to the innervating neurons through a specialized ribbon synapse. Mutations in over a hundred genes are known to cause hearing impairment. Many of these genes function in hair cells.

Job description:

The candidate will work with the PI and a PhD student to characterize the expression pattern, the molecular interactions and cellular role of a protein involved in the function of hair cells. We use molecular biology and histology techniques, immunofluorescence microscopy, electron microscopy, cell culture and *in vivo* hearing testing (ABR, DPOAE) in a newly generated knockout mouse model. Opportunity to present results at an international conference will be provided.

Requirements:

- PhD in molecular or cellular biology, neuroscience, genetics, biotechnology or a related field
- strong motivation for experimental work and full-time commitment to the project
- ability to work independently and in cooperation with other members of the team
- enthusiasm for science and willingness to take on and complete ambitious projects
- experience with mouse as a model (**PoILASA certificate** for working with laboratory animals is an advantage)
- experience in protein interaction studies or proteomics will be valuable
- good command of spoken and written English
- fluency in Polish is a plus

Salary: Full time position (contract of employment) for 24 months, with a **gross monthly salary of about 5300 PLN + bonus “13th salary”** (7000 PLN total gross salary including employer’s cost);

In order to apply, contact the project leader at piotr.kazmierczak@cent.uw.edu.pl. Please include:

- a brief cover letter detailing relevant experience, main achievements and research interests
- curriculum vitae
- a copy of your PhD diploma (or a prospective graduation date)
- a list of publications and conference abstracts
- contact information of two references (academic supervisors)

Selected applicants will be invited for an interview, in person or online.

Early informal inquiries by email are encouraged.

Please include a phrase: *“In accordance with the personal data protection act from the 29th of August 1997, I hereby agree to process and to store my personal data by the Institution for recruitment purposes”* at the end of your CV.

Key words: auditory, hearing, deafness, hair cell, cochlea, inner ear, neuroscience, degeneration