



Post-doctoral position available

Laboratory of RNA processing and degradation
Institute of Biochemistry and Biophysics, PAS

Head: dr Agnieszka Tudek (ORCID 0000-0002-6085-1072),

Biochemical characterization of mutations identified in rare genetic diseases
OPUS-23 2022/45/B/NZ1/02654

Keywords: RNA biology, characterization of protein network, transcriptomics

Fix-term appointment duration: 3.5 years with 3 month trial period (net income around 6 500 PLN depending on previous employment history)

Requirements:

- PhD in molecular biology, biotechnology, chemistry, bioinformatics
- interest in RNA metabolism

Project description:

Single Nucleotide Polymorphism (SNPs) in coding regions are a source of population variability, but might also contribute to disease development. A certain number of human genetic disorders are rare and poorly characterized. By analyzing rare SNPs one can identify the possible cause of the disease. This bioinformatic analysis is, however, rarely conclusive without in depth functional analysis, which is the primary aim of the project. This characterization will be primarily performed using differential mass spectrometry analysis and cell viability assays and will be followed by in depth functional analysis of selected cases. Recently in the course of such analysis we discovered a novel complex containing the well characterized WDR61 protein involved in nuclear RNA



metabolism. Another aspect of the post-doctoral research will be the functional description of this novel protein assembly.

Link to group webpage: <https://ibb.edu.pl/pracowania-badawcza/dr-agnieszka-tudek/>

Documents:

- CV
- Copy of PhD diploma
- Letter of motivation
- Letter of recommendation from previous employer

Tasks:

- plan and perform experiments
- participate in manuscript editing

Application and other inquiries should be addressed to: atudek@ibb.waw.pl

Application deadline: 30.09.2023

Please include the following statement in your CV or cover letter:

'Wyrażam zgodę na przetwarzanie moich danych osobowych dla potrzeb niezbędnych do realizacji procesu rekrutacji zgodnie z Ustawą z dnia 29 sierpnia 1997 r. o ochronie danych osobowych (Dz. U. z 2016 r. poz. 922 z późn. zm.)'