

FORM FOR EMPLOYERS

INSTITUTION The International Institute of Molecular Mechanisms and Machines (IMol), Polish Academy of Sciences,

CITY Warsaw

POSITION PhD student

DISCIPLINE Biology

POSTED 16.08.2021

EXPIRES 29.08.2021

WEBSITE <http://www.imol.institute/>

KEY WORDS Biology IMol Postdoc PhD student

DESCRIPTION (field, expectations, comments):

A few words about the research group:

The International Institute of Molecular Mechanisms and Machines (IMol), Polish Academy of Sciences, was constituted in December 2020, in partnership with University Medical Center Göttingen, Germany.

IMol has been established to conduct scientific research and provide training in the fields of biological, chemical, medical, biotechnological, bioinformatics, biophysical, pharmacological, and similar sciences, in the international environment conducive to collaborative efforts, research and development interactions with biotechnological industry, and wide dissemination of our results.

Laboratory of Mitochondrial Biogenesis led by Prof. Agnieszka Chacińska is a research group with an excellent publication record in molecular cell biology. We are interested in fundamental cellular mechanisms in physiology as well as in pathology and ageing. Our research is focused on mechanisms of protein import to mitochondria and on the cellular response to dysfunction of these mechanisms. We use diverse model systems such as human cells, yeast, fish *Danio rerio* and worm *Caenorhabditis elegans*.

We aim at the development of solutions that will help everyone on this planet live a safer life.

We offer:

- Work in an active team in an excellent scientific environment
- Access to the state-of-the-art equipment and facilities
- Participation in courses and conferences
- Comprehensive training in biochemistry, cell and molecular biology techniques

Please apply by sending required documents:

- Motivation letter;
- CV;
- A list of publications and conferences attended;
- One letter of support from an academic supervisor.

to remedy@imol.institute with subject: "PhD student position in OPUS 18 dr Michał Wasilewski"

To allow us to process your data, please include the following statement in your application:

"I hereby consent to have my personal data processed by The International Institute of Molecular Mechanisms and Machines Polish Academy of Sciences, with its registered office: Smetany 2, 00-783 Warszawa for the purpose of carrying out a recruitment process and I Agree for a transfer of provided data to any entity responsible for the implementation of project OPUS

18 dr Michał Wasilewski. I have been informed of my rights and duties. I understand that provision of my personal data is voluntary.”

Project leader: Michał Wasilewski, PhD

Project title: “Mitochondrial import pathways of viral proteins.”

Project description:

Mitochondria are a vital intersection of multiple metabolic pathways and an information platform that integrates signaling for apoptosis and the innate immunity. Therefore it is not surprising that multiple viruses trim functions of mitochondria to their own needs. In some cases this interaction requires import of viral proteins to mitochondria but molecular mechanisms of these phenomena remain poorly understood. We plan to explore and characterize mechanisms of translocation of viral proteins to mitochondria.

Liczba stanowisk: 1

Requirements:

MSc degree (or equivalent) in molecular biology, biophysics, biochemistry, chemistry or related fields of life sciences (or perspective of obtaining one);

Ability to work both independently and as a part of a team;

Ability to communicate fluently in English (written and spoken);

Ability to plan, organize, set priorities, work as a team member and effectively complete assignments

Strong motivation to work and pursue scientific questions, creativity and analytical thinking;

Description of your tasks:

Performing experiments using biochemical, cell and molecular biology techniques (independently and in collaboration with other team members)

Participating in experimental design and data analysis

Participating in the data preparation and writing of manuscripts

Active participation in lab meetings, scientific seminars and conferences

Type of contract: 48 months, stipend of 5k PLN total cost / month