



WORK OFFER

Ref. No. PL-2020-ULO009

Employer Information

Employer: University of Lodz, Department of General Biophysics
ul. Pomorska 141/143

90-237 Lodz
Poland

Website: www.biol.uni.lodz.pl
Location of placement: Lodz
Nearest airport: Lodz (LCJ), Warszawa (WAW/WMI)
Working hours per week: 40.0
Working hours per day: 8.0

Number of employees: 7
Business or products: University

Student Required

General Discipline: 26-BIOLOGICAL AND BIOMEDICAL SCIENCES
Field of Study: 26.0203-Biophysics.
26.0204-Molecular Biology.
26.1201-Biotechnology.

Completed years of study: 4
Student status requirements: Required during the whole period of the internship

Language required: English Good

Required Knowledge and Experiences:

Previous technical experience in cell culture is required to apply for training program.

Other requirements:

Work Offered

Topic: the impact of chromatin remodeling complexes on cancer cells response to anticancer drugs. ABC proteins are responsible for active removal of small agents from intracellular compartments. Some of these transmembrane transporters are responsible for multidrug resistance of cancer cells, because they pump out anticancer drugs thereby limiting their potential to kill cancer cells. Our project aims to:

1. Identify the role of particular ABC transporters in anticancer drug removal in cancer cells (confocal microscopy, flow cytometry)
2. Study the impact of selected inhibitors of chromatin remodeling complexes on drug accumulation inside cancer cells
3. Study the impact of selected inhibitors of chromatin remodeling complexes on cancer cell viability upon the treatment with anticancer drugs (cytotoxicity, DNA degradation, induction of apoptosis and/or necrosis)

The candidate will contribute to the above-described tasks and get experience in the following areas: cancer physiology, multidrug resistance, transmembrane transporters, cell viability and drug toxicity.

Number of weeks offered: 6 - 8

Within the months: 01-JUN-2020 - 30-SEP-2020

Or within: -

Company closed within: -

Working environment: Research and development

Gross pay: 1100 PLN / Month

Deduction to be expected: 0%

Payment method / time of first payment: Cash / one-time

Latest possible start date:

Accommodation

Canteen at work: Yes

Expected type of accommodation: Student dormitory

Accommodation will be arranged by: IAESTE

Estimated cost of lodging: 350 PLN / Month

Estimated cost of living incl. lodging: 1000 PLN / Month

Additional Information

Nomination Information

Deadline for nomination: 15-MAR-2020

Date: 29-JAN-2020

On behalf of receiving country: Kinga Urbanek