



WORK OFFER

Ref. No. PL-2021-ZUT031

Employer Information

Employer: West Pomeranian University of Technology, Faculty of
Biotechnology and Animal Husbandry
ul. Doktora Judyma 26

71-466 Szczecin
Poland

Website: www.biotechnologia.zut.edu.pl

Location of placement: Szczecin, Poland
Nearest airport: Szczecin (SZZ), Berlin (BER, SXF)
Working hours per week: 30.0
Working hours per day: 6.0

Number of employees: 83

Business or products: Education, Research

Student Required

General Discipline: BIOLOGICAL AND BIOMEDICAL SCIENCES

Completed years of study: 2

Field of Study: Microbiology, General.; Biotechnology.

Student status requirements: Required during the whole period of the internship

Language required: English Good (B1, B2) Or
Russian Fair (A2)

Required Knowledge and Experiences:

Other requirements:

Work Offered

Studentship program:

Students on the internship, depending on the preferences, may participate in the work associated with clinical bacteriology (diagnostic procedures in bacteriology and mycology, antibiotic resistance analysis, analysis of virulence factors produced by different microorganisms) or microbiological biotechnology (searching and analysis of microorganisms that produce antibiotics, enzymes, pigments, cellulose, analysis of probiotic bacteria and use of magnetic fields to modify the functional parameters of microorganisms).

The work will involve:

- information about working in microbiology and immunology,
- methods of culturing bacteria,
- preparing and storage of culture media,
- microscopic examination of microorganisms,
- conditions of bacterial cultures,
- detection and identification of various kinds of microorganisms,
- study of biochemical activity of microorganisms,
- methods for determining and controlling bacterial growth,
- determination of antibiotic susceptibility of pathogenic bacteria,
- identification of virulence factors produced by microorganisms,
- molecular diagnostics of microorganisms ? PCR based techniques,
- isolation and identification of microorganisms from environmental samples and animal material and determination of their quantity,
- isolation of pure bacteria from mix cultures,
- analysis of microorganisms of high biotechnological potential (producing antibiotics, enzymes and pigments),
- study of microorganisms producing bacterial cellulose,
- analysis of probiotic bacteria,
- the use of magnetic fields to modify functional parameters of microorganisms.

Number of weeks offered: 12 - 15

Working environment: Research and development

Within the months: 11-OCT-2021 - 30-JUN-2022

Gross pay: 1200 PLN / Month

Or within: -

Deduction to be expected: 0%

Company closed within: -

Payment method / time of first payment: Bank Transfer / Monthly

Latest possible start date:

Accommodation

Canteen at work: No

Expected type of accommodation: Student dormitory

Estimated cost of lodging: 400 PLN / Month

Accommodation will be arranged by: IAESTE

Estimated cost of living incl. lodging: 1200 PLN / Month

Additional Information

Nomination Information

Deadline for nomination: 31-MAR-2021

Date: 26-JAN-2021

On behalf of receiving country: Kinga Urbanek