



## WORK OFFER

Ref. No. PL-2020-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 (SXF, TXL)  
**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:** 26-BIOLOGICAL AND BIOMEDICAL SCIENCES  
**Field of Study:** 26.0502-Microbiology, General.  
26.1201-Biotechnology.

**Completed years of study:** 2  
**Student status requirements:** Required during the whole period of the  
internship  
**Language required:** English Fair Or  
Russian Fair

**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 kind 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:** 13 - 14

**Within the months:** 08-MAR-2021 - 14-JUN-2021

**Or within:** -

**Company closed within:** -

**Working environment:** Research and development

**Gross pay:** 1200 PLN / Month

**Deduction to be expected:** 0%

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

**Latest possible start date:**

### Accommodation

**Canteen at work:** No

**Expected type of accommodation:** Student dormitory

**Accommodation will be arranged by:** IAESTE

**Estimated cost of lodging:** 400 PLN / Month

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

### Additional Information

### Nomination Information

**Deadline for nomination:** 15-MAR-2020

**Date:** 29-JAN-2020

**On behalf of receiving country:**

Kinga Urbanek