



## WORK OFFER

Ref. No. PL-2020-ZUT030

---

### 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:** 26.0202-Biochemistry.  
26.0207-Structural Biology.  
26.1201-Biotechnology.

**Completed years of study:** 2  
**Student status requirements:** Required during the whole period of the internship

**Language required:** English Fair Or  
French Fair

**Required Knowledge and Experiences:**

**Other requirements:**

---

### Work Offered

The student will participate in the following laboratory tasks:

- Preparation of lysate from tissues,
- Sample preparation (tissues, biological fluids) for 1-DE and 2-DE,
- Sample rehydration and isoelectric focusing (IEF) on the IPG (immobilised pH gradient) strips,
- Polyacrylamide gel casting for 1-DE and 2-DE,
- Loading and running the gel,
- Gel staining using various methods (e.g. silver stain or Coomassie Brilliant Blue),
- Gel and membrane scanning using Versa Doc or Calibrated Densitometer GS-800,
- 1-D and 2-D gels analysis using bioinformatics tools: PDQuest 8.0. Advanced or Quantity One,
- Spot excision from gels,
- In-gel tryptic digestion,
- Protein identification using a matrix-assisted laser desorption/ionisation time of flight mass spectrometer (MALDI-TOF MS),
- Transferring proteins from gels to the membranes, antibody incubation, imaging and data analysis (Western blot analysis).

**Number of weeks offered:** 13 - 14

**Within the months:** 15-MAR-2021 - 21-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