



WORK OFFER

Ref. No. PL-2017-ZUT035

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
Business or products	Education, Research	Location of placement:	
		Number of employees:	
		Working hours per week:	30.0
		Working hours per day:	6.0

Student Required

Field of study:	Biology Biotechnology Biotechnology	Study level:	Middle (4-6 Semesters)
Specialization:	Microbiology, Mycology, Zootechny;-	Language required:	ENGLISH Fair Or RUSSIAN Fair Or

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 determination 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. Isolations 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:	Office work
Within the months:	01-OCT-2017 - 31-JAN-2018	Gross pay:	1200.00 PLN / Month
Or within:	-	Deduction to be expected:	0
Holidays:	-		

Accommodation

Lodging will be arranged by:	IAESTE	Estimated cost of lodging:	400.00 PLN / Month
		Estimated cost of living incl. lodging:	1200.00 PLN / Month

Additional Information

Nomination Information

Deadline for nomination:	31-MAR-2017	Please send nominations by	Exchange Platform
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Date:	03-FEB-2017	On behalf of receiving country:	Przemysław Miskiewicz
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