

## Undergraduate student position in the project

### Institution

AGH University of Science and Technology  
Faculty of Geology, Geophysics and Environmental Protection  
Department of Mineralogy, Petrography and Geochemistry  
al. Mickiewicza 30, 30-059 Kraków  
Poland

### Position

Undergraduate student

### Project title and type

Role of extracellular DNA, generated during communal wastes treatment, in dissemination of virulence and antibiotic resistance genes in aquatic ecosystems  
Opus 21 project – financed by National Science Centre Poland (2022-2026)

### Requirements

1. student of 1<sup>st</sup> (Bachelor) or 2<sup>nd</sup> (Master) degree study in the field of environmental engineering or environmental protection.
2. Knowledge of organic and inorganic chemistry.
3. Knowledge of analytical methods for the analysis of liquid samples (e.g. HPLC, AAS) and solid state analysis (e.g. XRD, SEM).
4. Experience in experimental work and experiment planning.
5. Very good spoken and written English.
6. Predispositions for scientific and organizational work.

A potential candidate should meet the following requirements set out in the regulations of the National Science Centre (more details: [uchwala25\\_2019-zal1\\_ang.pdf \(ncn.gov.pl\)](#))

### Job Description

1. Assistance in laboratory works, including chromatographic analyses
2. Extraction of extracellular DNA from treated communal effluents using ultra-high-performance flash chromatography.
3. Characterizing solids and solutions and quantifying the results.
4. Preparing data sheets for analysis of the results.
5. Participation in seminars, group meetings, and other scientific exchange activities.

### Application Deadline

May 19<sup>th</sup>, 2023, 23:59

### Form of application

by email: [l.dziewit@uw.edu.pl](mailto:l.dziewit@uw.edu.pl) and [bajda@agh.edu.pl](mailto:bajda@agh.edu.pl)

### Terms of Employment

Job type (scholarship agreement): Stipend financed by the National Science Center

Number of job offers: 1

Stipend amount/month: monthly stipend 1 250,00 PLN (gross stipend, tax-free stipend)

Workplace: AGH University of Science and Technology in Kraków; Faculty of Geology, Geophysics and Environmental Protection; Department of Mineralogy, Petrography and Geochemistry; al. Mickiewicza 30; 30-059 Kraków, Poland

Position starts on: June 1<sup>st</sup>, 2023 (01.06.2023)

Period of employment with the scholarship: 18 months

### **Additional Information**

The application should contain the following:

1. Motivation letter outlining your interest in the proposed research - up to 2 pages.
2. Curriculum vitae (e.g., education, awards, etc.).
3. Documents confirming the status of the student.
4. Scan of signed permission for recruitment-related personal data processing, which states: „I give permission to the AGH University of Science and Technology, al. Mickiewicza 30, 30-059 Kraków, Poland, to process my personal data for the purposes of carrying out the recruitment procedure”.
5. All required documents should be prepared in English.
6. The scholarship recipient will be selected by the Recruitment committee chaired by the Principal Investigator of the project (prof. Łukasz Dziewit – University of Warsaw – l.dziewit@uw.edu.pl).
7. Reviewing of the candidates will begin on 20<sup>th</sup> May 2023.
8. The candidates may be invited for an interview that will be organized online or live on the 22<sup>nd</sup> and 23<sup>rd</sup> of May, 2023.
9. The final results will be announced on 23<sup>rd</sup> May 2023.