

**Unit name:**

University of Wrocław, Faculty of Biotechnology, Department of Molecular Microbiology

**Position name:**

Doctoral student scholarship holder

**Proposed topic:**

Discovery of novel interaction partners of the tip organising centre in *Streptomyces venezuelae*.

**Requirements:**

1. Education: MSc or equivalent in biology, biotechnology, or related sciences.
2. Qualification for the Doctoral School of the University of Wrocław (until work on the project begins)
3. Preferred Skills:
  - (a) Practical experience in molecular microbiology  
Prior work experience with streptomyces beneficial
  - (b) Basic experience in working with molecular biology techniques, including isolation and analysis of RNA, DNA, proteins and the basics of sterile work. Experience in working with techniques such as ChIP-Seq, fluorescence microscopy or purification of recombinant proteins will be an additional advantage.
  - (c) Professional working proficiency in English
  - (d) Professional working proficiency in Polish is beneficial
4. Strong motivation in scientific research, creativity in solving problems, independence, ability to work as part of a team.

**Job description:**

*Streptomyces* are Gram positive, soil dwelling, filamentous bacteria that are well known for their ability to produce numerous secondary metabolites with a wide range of clinical applications (including antibiotics, antifungals, and immunosuppressants). Despite their broad biotechnological importance, the cell morphogenesis in these filamentous bacteria is surprisingly poorly understood. The focus of this project is to expand our understanding of the interaction partners of the key polarity determinator DivIVA.

The student undertaking this project will receive comprehensive training in state-of-the-art methods in microbiology with particular focus on genetics, biochemistry, and fluorescent microscopy. Furthermore, the provided multi-disciplinary training will equip the student with a broad range of skills highly relevant for a future career both in academia or industry. This project is well suited to students requiring flexible working arrangements.

***Deadline for submitting offers:***

July 31, 2024 at 12:00

**Conditions of employment:**

University scholarship (within the Doctoral School) plus a research scholarship under the OPUS project

**Start date of work:**

October 1, 2024

**Required documents:**

1. Application addressed to the project manager: dr Bernhard Kepplinger
2. CV,
3. Information about scientific achievements, distinctions and scientific internships,
4. Copy of the diploma of completion of master's studies or information on the planned date of obtaining the master's degree,
5. Certificate confirming the status of a doctoral student or student,
6. Contact details of persons who can provide references,
7. Due to the entry into force of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016, all candidates are requested to provide consent to the processing of his or her personal data by the institution which carries out the recruitment process. Thus, please include in your application the following statement: "I hereby agree to the processing of my data included in the application documents by University of Wrocław, Poland, to carry out the recruitment process."

The candidate will be selected in accordance with the Regulations for awarding research scholarships for young scientists in research projects (Appendix to the resolution of the NCN Council 124/2022 of December 1, 2022). Candidates may be invited to an interview. Competition decision deadline: August 30, 2024. We reserve the right not to resolve the competition if there are no suitable candidates.

**Contact:**

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