

1 PhD research fellow position at University Hospital Bonn in intestinal immunology and the microbiome

RESEARCH FIELDS

Biological sciences › Biology, Biomedical Sciences, Biotechnology or Molecular Life Sciences

RESEARCHER PROFILE

Early Stage Researcher (≤ 4 years of research experience at time of recruitment)

APPLICATION DEADLINE

31 May 2020 18:00h - Europe/Brussels

LOCATION

- University Hospital Bonn / Universitätsklinikum Bonn (Germany)

TYPE OF CONTRACT

Temporary, 36 months.

JOB STATUS

Full-time

HOURS PER WEEK

38,5

OFFER STARTING DATE

Flexible starting April-June 2020

EU RESEARCH FRAMEWORK PROGRAMME

H2020 / Marie Skłodowska-Curie Actions / European Industrial Doctorates

MARIE CURIE GRANT AGREEMENT NUMBER

814168

University Hospital Bonn is recruiting a Early Stage Researcher (ESR) PhD fellow. This ESR (GROWTH ESR project 6) will be part of an 8 FTE consortium study group focusing on projects in the context of intestinal wound healing and the microbiome. More specifically, the aim is to study the process of anastomotic healing and microbial interactions during surgery. These ESR positions are part of the GROWTH consortium, a Marie-Sklodowska Curie Innovative Training Network (European Industrial Doctorates) June 2020-2024

About UNIVERSITY HOSPITAL BONN

The University Hospital Bonn (UKB) is one of the top comprehensive university clinics in Germany located in North-Rhine Westphalia. UKB is part of the University of Bonn which has currently ± 34.000 students. The department of Surgery, Immune Pathophysiology of UKB participates in GROWTH. The scientific research of the department of Surgery complements basic science with translational and clinical research. This department is particularly focused on identifying (neuro)-immunological mechanisms contributing to acute (postoperative) and chronic functional disturbances of the gastrointestinal tract. Prof. Sven Wehner and Prof. Wouter de Jonge will be supervising the ESR projects at UKB.

ABOUT GROWTH

The GROWTH consortium, funded by the European Commission (2019-2023), is made up to train a new generation of researchers working on new pathological insights, biomarker diagnostics and personalized nutritional interventions for intestinal failure and post-operative complications in patients. Academic and industry partners, covering various disciplines ranging from surgery and paediatrics, analytical chemistry, to organoid and gut-on-chip applications, have teamed up in this project:

- DSCN Research BV (The Netherlands)
- University Hospital Bonn (Germany), Dept of surgery
- Imperial College London (United Kingdom), Phenome Center
- Academic Medical Center (The Netherlands), Dept of GI and Liver Disease
- Cherry Biotech (France) gut on chip models
- VU Medical Center (The Netherlands)

GROWTH is a European Industrial Doctorate programme that requires PhD students to spend at least 50% of their time (18 months) in the non-academic sector.

GROWTH website url: <http://www.growth-horizon2020.eu/>

ABOUT THE PROJECT

This project will cover the healing of intestinal anastomoses of colorectal surgeries. Anastomotic healing disturbances are one of the most dreaded complications after abdominal surgery and are associated with a high morbidity and increased mortality rate. In vivo models will help to understand the role of intestinal factors that are involved in this process. Targeted metabolic analyses will help to identify potential endogenous (microbial) but also exogenous (i.e. dietary) metabolite factors that affect anastomotic healing. ESRs secondments include research at DSCN Research BV and TNO (both in the Netherlands) and involve gut on chip models, organoid culture work, metabolomics screens and iScreen microbial screens.

The PhD student will be enrolled in the Bonn International Graduate School of Immunosciences and Infections and supervised by an academic and non-academic supervisor, equally exposing the candidate to the academic and non-academic sector.

CANDIDATE REQUIREMENTS ESR-6

REQUIRED EDUCATION LEVEL

A degree (MSc, or equivalent) in Health and Life Sciences (Biology, Microbiology, Molecular Biology, Immunology, Biomedical Sciences, Biochemistry or closely related fields) or Medicine ((Paediatric) Surgery, Internal Medicine). Candidates in the final stages of obtaining their degree are encouraged to apply.

REQUIRED LANGUAGES

ENGLISH: Excellent, both written and spoken.

SKILLS/QUALIFICATIONS

We expect a Master's degree (or equivalent) in Health and/or Life Sciences or Medicine. Furthermore, the applicant should be able to perform team-oriented as well as independent work. Desirable methodological skills: excellent background in molecular biology, biochemistry, cell biology, immunology and/or microbiology, hands-on knowledge of analytical methods.

ADDITIONAL INFORMATION

ELIGIBILITY

Applicants can be of any nationality and must be Early Stage Researchers and shall at the date of recruitment by UKB, be in the first four years (full-time equivalent research experience)

of their research careers and have not been awarded a doctoral degree. Furthermore, the applicant must not have resided or carried out his/her main activity (work, studies, etc) in Germany for more than 12 months in the 3 years immediately prior to his/her recruitment.

RENUMERATION

The per annum MSCA PhD student living and mobility allowance (plus family allowance if applicable, family status is assessed at recruitment) is in line with EU-MSCA requirements. This amount will be subject to tax and employee's National insurance deductions and will be paid in euro.

HOW TO APPLY

Complete applications in English should include the GROWTH Application Form and its mandatory attachments (<http://growth-horizon2020.eu/apply-for-a-growth-position>).

Please send the complete package as 1 PDF file via email to info@growth-horizon2020.eu before 15 April 2020 18:00h - Europe/Brussels.

Selected applicants will be invited to a video conference call. Awarding decisions will be announced shortly thereafter, and candidates are expected to be available to start their projects not later than June 2020.

HOW YOUR DATA IS KEPT

The data submitted in the Application Form will be used for recruitment purposes only and shared by members of the GROWTH consortium. The data will be held securely at DSCN Research BV (network coordinator of GROWTH) and shared by secure cloud-based storage. Data is intended to be kept for a maximum of four years (the life-span of the project). Further information may be collected from the above-named institutes. Candidates can request deletion of their data by contacting info@growth-horizon2020.eu.