



Proteases in pathogen and host: importance in inflammation and infection

Applications are invited for a new PhD program: the Research Training Group RGT2719-PRO. It focuses on the role of proteases in infection and inflammation. By providing a structured training program coupled with an ambitious, cutting edge scientific research project we hope to attract young scientists towards this emerging field of science. Starting in October 2021.

Application as PhD candidate (21/BR/41)

Starting October 1st, 2021 we offer 15 doctoral positions (PhD) within the doctoral program RTG 2719-PRO

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Our PhD training program integrates internationally recognized research groups in a unique collaborative framework to study the role of proteases in infection and inflammation. It provides an excellent platform for research and training, using state-of-the-art technologies in biochemistry, bioinformatics, functional genomics (multi-omics), immunology, microbiology as well as molecular cardiology and gastroenterology with enormous potential for translational research. The program is backed up by an individualized supervision and coaching program as well as topic-related seminars, practical courses, and transferable skills workshops. The positions are funded by the German Research Foundation (DFG GRK 2719/1) and the contracts are limited to three years with payment according to E13 TV-L 65%. Depending on the selected project, the place of employment will be the University Greifswald, the University Medicine, or the FLI Federal Research Institute for Animal Health.

Scientifically, 15 PhD projects explore the molecular mechanisms of protease activity and its relevance for protein quality control and cell homeostasis, for bacterial colonization and infection, for the polarization of the immune response and for the outcome of infection and inflammation. In your application, please provide your preference for three projects you would like to work on.

We are seeking highly qualified, enthusiastic early career researchers holding a M.Sc. or equivalent degree with a suitable background in the life sciences. Applicants must be fully proficient in English and should have completed their degree by August 2021. The application should include at least a motivation letter, CV, your degrees (with grading), an English proficiency certificate, as well as the names of two referees.

Application as postdoctoral researcher (21/BR/42)

There is 1 postdoctoral position open in the RTG2719 - PRO for project BioIT.

All projects in RTG-PRO require support in biostatistics and bioinformatics. As several projects have advanced data analysis tasks, especially proteomics experiments and multi-omics data integration, data analysis workflows are required to solve complex problems in statistics, bioinformatics, and mathematical modelling.

BioIT pursues three central aims: (1) To provide statistics support to members of RTG2719-PRO, (2) to provide omics data analysis expertise and bioinformatics services to the RTG, and (3) to provide an educational program in applied biostatistics and bioinformatics to PhD researchers and postdocs of RTG-PRO. To achieve this, Bio-IT will serve as a one-stop-shop for data analysis support, including experiment design, descriptive and inferential statistics and bioinformatics / modelling support. Moreover, BioIT will offer a regular statistics / bioinformatics consultation service (Round Table) for doctoral researchers and PIs from the RTG.

The position is funded by the German Research Foundation (DFG GRK 2719/1) and the contract is limited to four years with payment according to E13 TV-L 100%. We are seeking highly qualified, enthusiastic Postdoc holding an PhD degree or equivalent with a suitable background in bioinformatics, biomathematics or life sciences. Applicants must be fully proficient in English. The application should include at least a motivation letter, CV, your degrees (with grading), and a list of your publications.

Please use our online application form.

The application deadline ends July 11th, 2021.

For applications please see: <http://www.rtg2719-pro.de>