
The DFG-funded International Research Training Group (IRTG 2168) of the Rheinische Friedrich-Wilhelms-University Bonn/Germany and the University of Melbourne/Australia offers a PhD student project to study the function of regular exercise in immunity to infection and chronic inflammation.

The Bonn & Melbourne Research and Graduate School investigates on the role of myeloid immune cells and the induction of adaptive immunity in the context of infection, tumors and inflammation. Students will perform the core of their 3-years PhD project in Bonn and spend 1 of these 3 years in Melbourne, jointly supervised by internationally leading principal investigators from both universities (Christoph Wilhelm, Bonn and Laura MacKay, Melbourne). Upon successful completion, they will be awarded a joint PhD degree by the University of Bonn and the University of Melbourne.

Bonn is a major centre of immunological research in Germany specialized at inflammatory diseases, microenvironmental and transcriptional immune regulation and immune pattern sensing. Melbourne is internationally recognized for excellent research on immune cell subsets and the study of immunity to microbial infections. These research areas at Melbourne and Bonn are highly synergistic and the scientific exchange between Melbourne and Bonn has created a superbly conducive environment not only for the training of students but also for career development of postdocs and teaching opportunities for professors.

PhD projects will be fully embedded in the coordinated training programs at both locations.

This project aims to unravel the effects of exercise on the functionality of barrier immunology with particular focus on the regulation of metabolic pathways driving innate immune cell recruitment and T cell activation, differentiation and memory function. For further information on the joint program see Wilhelm - L. Mackay collaborative project <https://bonnmelb-phdprogram.com/our-joint-phd-program>

We are seeking passionate PhD candidates who are highly motivated to solve scientific questions with modern immunological approaches in a competitive environment. The ideal candidate holds a M.Sc. with university degree in Biology, Immunology, Molecular Biology, Biochemistry, or related fields with top scores. Candidates with experience in relevant immunological research will be given priority. Excellent written and spoken English skills are mandatory.

Candidates can apply until 10th of January 2022 by submitting their credentials, CV and motivation letter in one single pdf file to the address below. Candidates fulfilling the selection criteria will be interviewed by Skype or in person.

The University of Bonn is committed to being an equal opportunity employer in our recruitment efforts. Preference will be given to suitably qualified female applicants or handicapped people, all other considerations being equal.

Please send your application, preferably by email, to:

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