

Luxembourg is a dynamic multicultural country in the heart of Europe with a **strong research and development culture** supported by **important financial and organisational resources**. It offers state-of-the-art facilities and an excellent training environment for early-stage researchers, in particular in life sciences and systems biomedicine.

NEXTIMMUNE, standing for “Next Generation ImmunoScience: Advanced Concepts for Deciphering Acute and Chronic Inflammation”, is a competitive **PhD training program**, supported by the doctoral research funding scheme **PRIDE** of the Luxembourg National Research Fund FNR. It aims to bridge classical immunology and big-data analysis science in a structured doctoral training environment. NEXTIMMUNE is opening:

2 PhD Student Positions in Computational Immunology

4 PhD Student Positions in Molecular Immunology

with up to 4 years fixed-term contract, full-time. Start dates for the PhD students will be from autumn 2017 on.

The research-intensive program aims to respond to the unmet need of training the next generation of competent immunologists by tackling next generation immunology challenges from wet lab procedures to big data analyses. We offer an interdisciplinary environment that covers analysis of “omics” and clinical data, as well as basic and translational biomedical knowledge combined with its practical application to diagnosis and ultimately therapy. The program includes transferable skills training, support in career development, scientific lectures by international speakers and annual PhD retreats.

PhD candidates will conduct their research projects either at the [Department of Infection and Immunity](#) at [LIH](#) (Esch-sur-Alzette), at the [Luxembourg Centre for Systems Biomedicine](#) or at the [Life Sciences Research Unit](#) of the University of Luxembourg (Campus Belval, Esch-sur-Alzette). Several projects involve a collaboration with the [Department of Dermatology and Allergy Centre](#) of the University of Southern Denmark (Odense, Denmark). Depending on the project, PhD candidates will be enrolled at the [University of Luxembourg](#) or at the [University of Southern Denmark](#).

The program will allow the candidates to obtain a PhD degree in biology or health sciences with a specialisation in either:

- Computational network analysis applied to immunology
- Systems immunology
- Chronic inflammation and autoimmunity
- Molecular and cellular allergology
- Infectious diseases
- Fundamental immunology

View PhD project summaries [here](#)

We are seeking for excellent and highly motivated candidates holding a Master’s degree in a field related to the topics of the PhD program (MSc or equivalent). Fluency in English is mandatory – English is the working language.

More specific information on NEXTIMMUNE can be obtained from the program coordinator, Prof Markus Ollert, Director of LIH’s Department of Infection and Immunity: nextimmune.office@lih.lu

Applications including a motivation letter stating the top 2 preferred PhD projects, the contact details of 2 references, a full curriculum vitae and a copy of the relevant diplomas showing marks should be sent before 30th June 2017 through our website www.lih.lu/jobs ONLY (Ref: VD/DTUN0517/MO/DII). Please note that applications failing to contain the requested documents or which do not indicate the preferred PhD projects WILL NOT be considered.

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