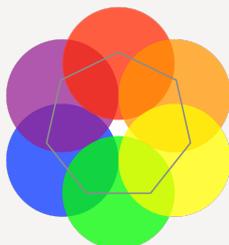


Bergen Research School in Inflammation



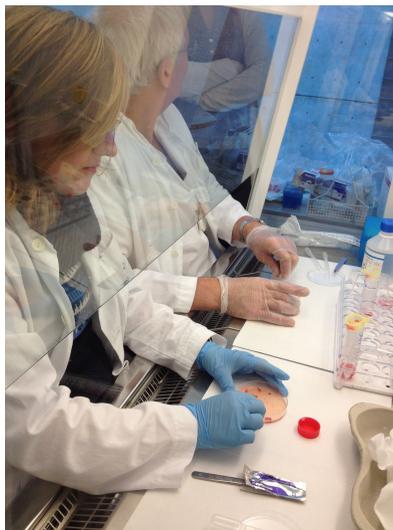
Bergen Research School
in Inflammation

Department of Clinical Science,
Faculty of Medicine



UNIVERSITY OF BERGEN





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Join the Research School

The immune system is the most advanced "organ" in the body. It consists of organized tissues, transport systems, cells, and soluble mediators.

Its primary function is to keep the body healthy by;

- defending against pathogens
- cleaning up and repair of damaged tissue

Inflammation is one of the mechanisms by which the immune system clears the body from infecting microorganisms, and also in the process of tissue repair.

The immune system is involved in nearly every process in a healthy body, but play an even more important role in acute and chronic diseases.

Advances in immunology have been one of the major benefits for humanity. As an example; the development of vaccines has saved many millions of lives and improved the quality of life significantly.

In many countries, the challenge of the health system is an aging population with associated chronic disorders and "lifestyle" diseases. Immunological treatment has become important and may be increasingly used in the future as the research and development are moving forward in this field.

The research school teaches various aspects of immunology, both at a theoretical and a practical level. We hope to inspire students and Ph.D. candidates to utilize their acquired immunology skillset to improve their research projects but also using new approaches in a multidisciplinary fashion.



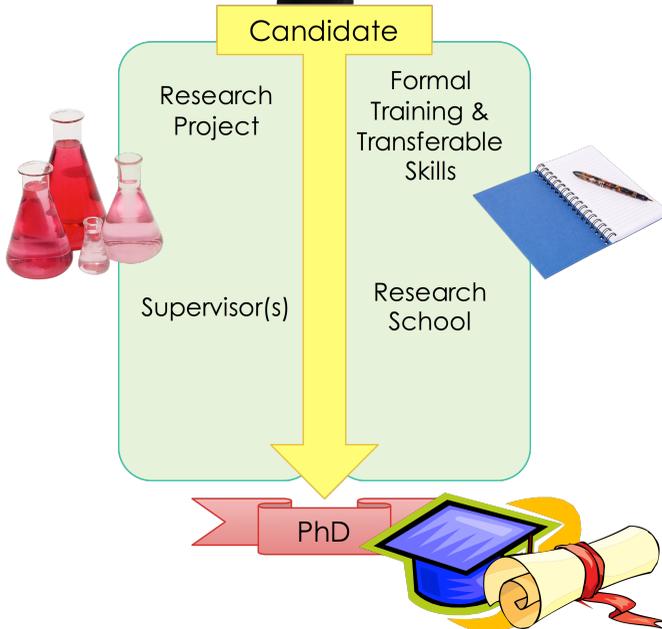
The Bergen Research School in Inflammation (BRSI)

BRSI is a multidisciplinary research school covering basic, experimental and translational research training. BRSI was formally established in 2005 as the first research school at the Medical Faculty, and one of the first at the University of Bergen. Since then we have developed into a strong and focused training unit with regular course activities on a weekly basis.

The Research School is focused on the field of inflammation

- Chronic and acute inflammation
- Autoimmunity
- Mucosal Immunobiology
- Infectious disease, pathogen-host interaction, and immunity
- Regulation and control of the immune system
- Relation to genetic background and gene expression





Research Training

The doctoral (Ph.D.) education is an organised training. In addition to performing a research project, an formal training equal to 30 ECTS (credit points) must be completed. The Research School's main objective is to provide the formal training and transferable skills.



Primary objectives

- To improve the quality of the PhD and post-graduate training
- To facilitate PhD and post-graduate training
- To develop professional skills and collaborative experience



Standards



- Thematically focused
- Strong research training - networks to several institutes/faculties/institutions
- Regular seminars and meetings
- Professionally additive and synergetic effects

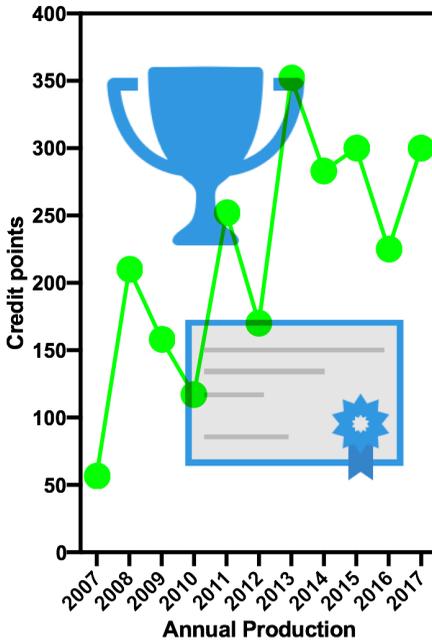
In practice

- Resources are made accessible (biobanks, patient material, instruments, specialized laboratories etc.)
- Available courses
- Presentation training
- Regular seminars as meeting points
- Feedback, support, reflection and critical evaluation

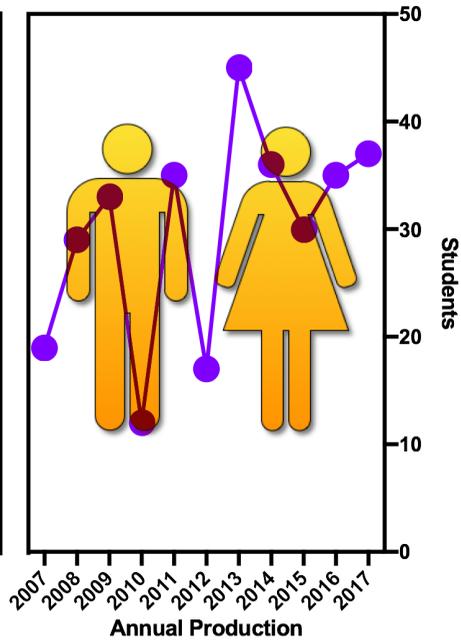




Credit points (ECTS)



Students



Production

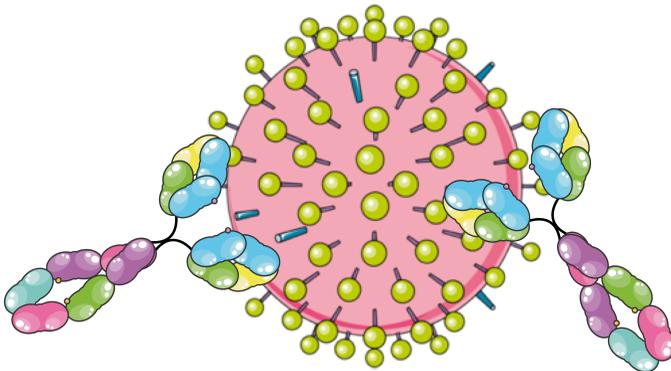
The research school has developed over the years and established itself at a level of training in the range of 30 – 40 students and PhD candidates each year.



Skill Set

The catalogue of courses enables learning the following skill sets (competences):

- general immunology
- advanced immunology, specialized topics
- immunological methods
- transferrable skills
- critical thinking





Courses

Here is the range of courses organised by the research school. If you are interested in any of these courses, please contact us.

See the detailed course description at the UiB's web-pages.

PhD degree level

HUIMM901- Project Seminars in Immunology (3ECTS)

HUIMM902 - Journal Club & Watch (3 ECTS)

HUIMM903 - Human Immunobiology (10 ECTS)

HUIMM905 - Advanced Course in Immunology,
alternating topics (3 ECTS)

HUIMM906 - Molecular and Cellular Methods in Immunology (10 ECTS)

Master degree level

HUIMM303 - Human Immunobiology (10 ECTS)

HUIMM306 - Molecular and Cellular Methods in Immunology (10 ECTS)

HUIMM307 - Basic Course in Flow Cytometry (5 ECTS)

HUIMM320 - Basal immunologi (5 ECTS)

HUVIR320 - Vaccinology (5 ECTS)



* participating 2+ semesters



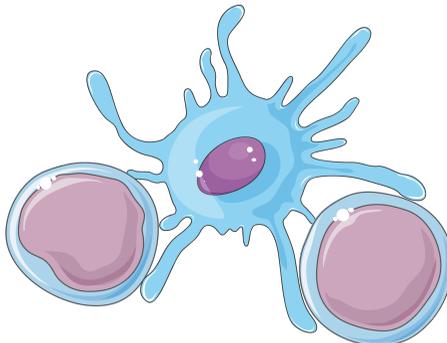
The Teachers

The courses are taught by experienced staff from the Broegelmann Research Laboratory and Dept. of Clinical Science at the University, and Dept. of Microbiology and Dept. of Transfusion Medicine at Haukeland University Hospital.



How to Apply

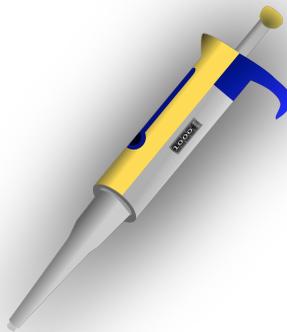
We do not have a dedicated enrolment system. When you enrol at any of our courses or attend our regular seminars, you become a part of the research school. Please take contact if you have any questions.



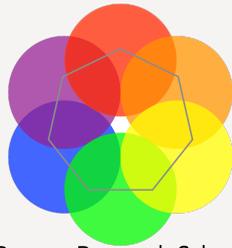


Key Message

- Ph.D. candidates who participate in Research Schools generally perform better.
- Supervisors and Ph.D. candidates should participate in the Research School activities for their own interest.
- The Research School offers relevant courses and help fulfill the formal requirements for the Ph.D. degree.



We encourage all participants to acknowledge the research school in their thesis.



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