

Undergraduate Research at DIS



Enrich Your Academic Experience Stockholm & Copenhagen

Four Ways to Make Your Mark

Are your students academically ambitious, curious to explore a topic in depth, and eager to be a part of a passionate research community?

Your students can take advantage of these opportunities offered at DIS. No matter which field they are in, experience in conducting research internationally gives them a competitive edge when applying for graduate school and future careers.

1

Become a Research Assistant

Fall & Spring, 3 Credits



Join an ongoing research project carried out by a DIS faculty member. As a research assistant, you collaborate closely with your mentor. The primary objective is for you to experience the world of scientific research and gain experience that will prepare you for any future career you choose to pursue. By the end of the semester you will grasp the complexities of the research project, and have

made your own contribution to the project. You will also have learned to communicate scientific ideas and findings, both orally and in writing, to members from your particular discipline as well as peers from other disciplines. Projects range across disciplines, such as environmental science, gender studies, humanities, pre-medicine/health, public health, science, and sustainability.

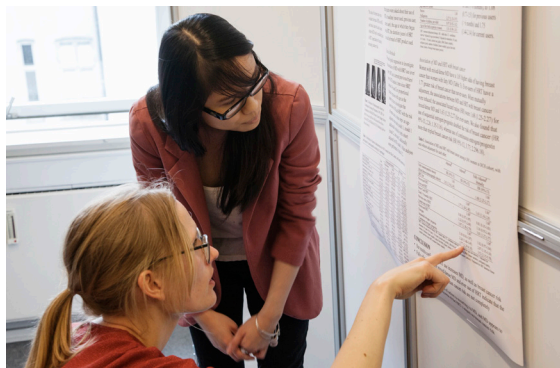
Fall 2017 Research Assistant Opportunities:

- Research project 1: Mammography Screening: Efficacy, Benefits, and Harms, CPH
- Research project 2: Modeling the Greenland Ice Sheet, CPH
- Research project 3: HIV and Reproductive Technology Access. STO
- Research project 4: Can psychological intervention decrease political polarization? STO
- Research project 5: Human Organ Trafficking: A Comparative Case Study, STO
- Research project 6: Children, Clothing, and Swedish Societal Norms, STO

2

Drive an Independent Research Project

Fall & Spring, 3 Credits



If you would like to conduct research while in Denmark or Sweden, perhaps as part of a project for your home university, you may apply for an Independent Research Project under the guidance of a Danish/Swedish faculty supervisor. The project should use Copenhagen/Stockholm specifically as a resource. For this option, you must plan your research project the semester before DIS with a professor at your home university who must be willing to communicate with you and your DIS research supervisor while you are in Denmark/Sweden.

You will have regular meetings with your supervisor, but the bulk of your work will be self-directed. DIS faculty will be available to guide you on your methodology and help you find resources to conduct your research in Europe.

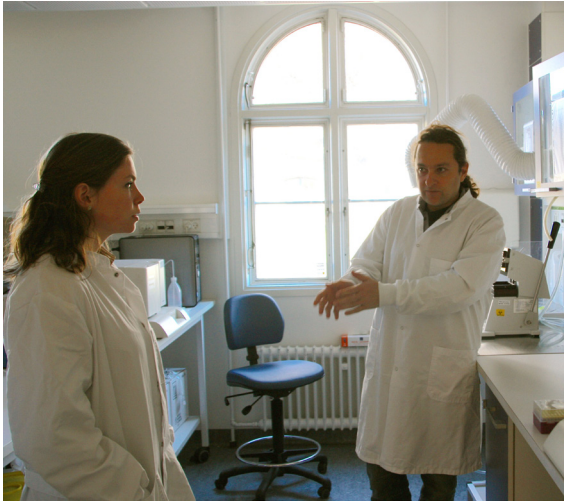
At the end of your semester, you'll have the option of taking your research home to present it or turn it into a thesis, honors project, or senior capstone. If you are also planning to use the project when you return to your home campus, you should also speak with your professor/advisor about this option before you depart, as there may be specific requirements you'll need to be aware of as you conduct your research.

Examples of past projects:

- The modern hospice movement in a Danish context
- Male sex workers in Scandinavia: Exploitation and masculinity
- Urban Design: Creating a sustainable grid
- Youth Unemployment in Denmark: Factors and solutions
- Phenomenology and Tectonics

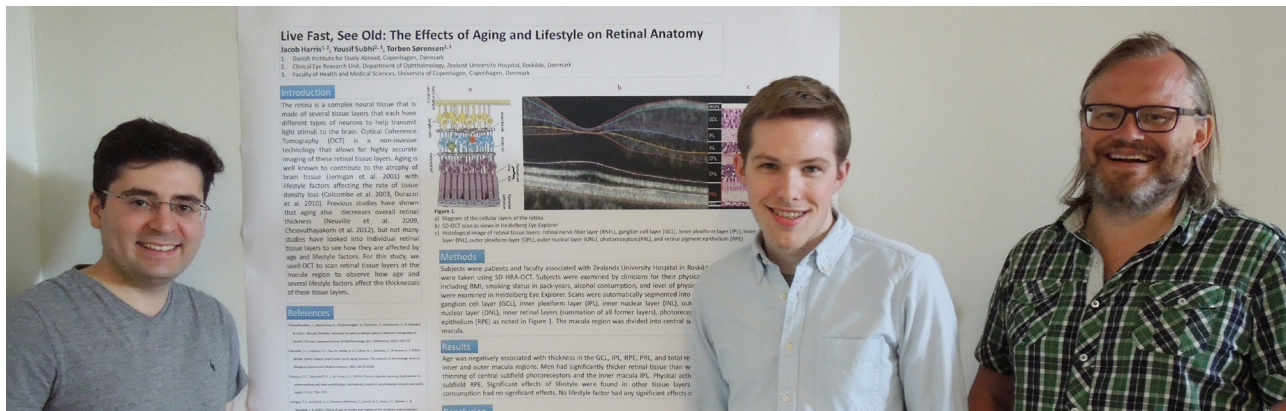
Join a Professional Research Group

Fall & Spring, 6 Credits



Advance your knowledge within the natural and health sciences in the Science Research Practicum. Matched with a research institution and a mentor, participate in existing research where you get to develop your clinical and laboratory skills.

This experiential learning opportunity allows you to gain experience in your area of study within the natural and health sciences. This practicum involves an average of 20 hours a week with laboratory and clinically based research opportunities. You are matched with a mentor who can offer both academic and professional advice in order to fulfill one of the main goals of this experience: to develop a student/supervisor relationship that benefits both you and the Copenhagen or Stockholm-based research institution.



Examples of Fall 2017 Science Research Practicum Opportunities for students include:

- Research Institution and Department:** PERSIMUNE, Center of excellence for Health, Immunity & Infections, Department of Infectious Diseases, Copenhagen University Hospital, Rigshospitalet. **Interests of Research Group:** *Recent research has shown that there is extensive cross talk between the gut microbiome and the immune system. Through epidemiological and clinical studies we examine associations between dysbiosis before and after treatment and risk of infectious complications among patients with immune dysfunction.*
- Research Institution and Department:** Cardiac CT group. The Heart Centre, Rigshospitalet, University of Copenhagen. **Interests of Research Group:** *The role of Cardiac CT in patients with acute chest pain. Myocardial perfusion by CT.*
- Research Institution and Department:** Technical University of Denmark, DTU, Department of Physics and of Neutrons and x-rays for material physics. **Interests of Research Group:** *3D Neutron experiments, magnetism and quantum materials, x-ray imaging, material physics, instruments at Large Scale facilities.*

4

Enroll in a Research Lab

Fall & Spring, 3 Credits



In the **Cognitive Neuroscience of Consciousness Lab**, design, develop, and carry out an experimental study with fellow classmates. This lab has a co-requisite core course: Cognitive Neuroscience of Consciousness. (*Copenhagen*)

Students participate in research activities focusing on the psychological, behavioral, and cognitive components of consciousness and perception. Class work consists of supervision of research activities and selected topics are reviewed relative to research (e.g. ethics, methods, and methodologies) in consciousness studies.

In the **Affective Neuroscience Research Lab**, design, develop, and carry out an experimental study with fellow classmates. This lab has a co-requisite core course: Affective Neuroscience: Emotions, Cognition, and Behavior. (*Stockholm*)

Students participate in research activities focusing on emotion as this relates to cognitive and social functions. Experimental paradigms can include e.g., neuropsychological measures, psychophysiology measures (e.g., skin conductance), and behavioral measures such as self-report, face recording camera, eye-tracker, etc. Class work consists of supervision of research activities and review of selected research topics (e.g., ethics, design, and methods) within the field of affective neuroscience.

Why Engage in Research Abroad?

- Be a part of a passionate community of students and faculty
- Engage in real research with experts in their field and learn about the research process from them
- Collect material for your capstone project or senior thesis
- Present your work and get feedback
- Build your resumé with international research experience

DIS Travel Grant

If your investigation of a topic takes you outside of the city, you can apply for a DIS European travel grant.

More Info Online

Read expanded information on these options and apply at:

- » disabroad.org/sth-research
- » disabroad.org/cph-research