

Labs, Research, & Practicums

Updated February 2025

Table of Contents

<i>DIS Labs, Research and Practicums Overview</i>	<i>1</i>
<i>Labs, Research, & Practicums by Term.....</i>	<i>2</i>
<i>DIS Labs.....</i>	<i>2</i>
Copenhagen Semester	2
Stockholm Semester	3
Copenhagen Summer	4
Stockholm Summer	4
<i>DIS Research.....</i>	<i>4</i>
Copenhagen Semester	4
Stockholm Semester	7
Copenhagen Summer	7
Stockholm Summer	8
<i>DIS Practicums.....</i>	<i>9</i>
Copenhagen Semester	9
Copenhagen Summer	9



DIS Labs, Research and Practicums Overview

Labs

Students gain hands-on training with common lab practices and develop the skills needed to design experiments, collect data, and analyze results. DIS labs range from technique-based to research-based and can let students generate new knowledge in their academic or technical field.

- No additional application required; students enroll as a regular elective course.
- Some labs require you be enrolled in a co-requisite course, which may have a prerequisite. Prerequisite varies by lab.

Research

Students join an engaged community of scholars across various disciplines to collaborate on their research project as a Research Assistant.

Additional application required – deadlines:

- Fall: May 1
- Spring: November 1
- Summer: March 15

As part of the additional application, students must submit two brief (max 350 words) essays:

1. Prior research experience is not required, but if you have any please describe it here. This may include relevant research-oriented courses you have taken or skills you have that may be helpful for this research project (research for a course, lab experience, statistical software, etc.). Be specific about the nature of your experience(s) and your responsibilities. If you do not have prior research experience, please describe your interests and background as they relate to the project.
2. Why do you want to be a Research Assistant? What skills and characteristics do you have that will enable you to contribute successfully to a collaborative, committed research project?

Additionally, students are asked to provide an Academic Reference, including the name, title, and contact information for one academic advisor and/or faculty member familiar with your work. Please note, that this request does NOT include a letter of recommendation. If you are short-listed for an RA position, the DIS Research Faculty Mentor may contact your reference for additional information regarding:

- Your ability to work independently and to collaborate with others.
- Specific examples illustrating the quality of your work (assignments, previous research, volunteer activities, etc.).

Practicums

Students gain practical and career-focused knowledge in a practicum course where they split their time between class discussions and on-site learning within a local professional organization.

- No additional application required; students enroll as a regular elective course.
- Some practicums require you be enrolled in a co-requisite course, which may have a prerequisite. Prerequisite varies by practicum.



Labs, Research, & Practicums by Term

- [Stockholm Semester](#)
- [Copenhagen Semester](#)
- [Summer Labs, Research & Practicums Session](#)

DIS Labs

Copenhagen Semester

Biological Conservation and Biodiversity Lab

- Elective Course
- Fall/Spring
- 1 Credit
- Co-requisite Courses: [Biological Conservation and Biodiversity](#)
- Major Disciplines: Biology, Environmental Science, Sustainability

Biology of Marine Mammals Lab

- Elective Course
- Fall/Spring
- 1 Credit
- Co-requisite Courses: [Biology of Marine Mammals](#)
- Major Disciplines: Biology, Environmental Science, Sustainability

Cognitive Neuroscience of Consciousness Lab

- Elective Course
- Fall/Spring
- 3 Credits
- Co-requisite Courses: [Cognitive Neuroscience of Consciousness](#)
- Major Disciplines: Neuroscience, Psychology

Cyberpsychology Lab

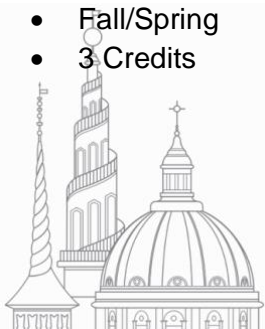
- Elective Course
- Fall/Spring
- 3 Credits
- *Prerequisite: One psychology course at university level*
- Co-requisite Course: [Cyberpsychology](#)
- Major Disciplines: Psychology

Game Development Lab

- Elective Course
- Fall/Spring
- 3 Credits
- Co-requisite Course: [Game Development: Programming and Practice](#)
- Major Disciplines: Computer Science, Mathematics, Design

Medical Simulation Lab

- Elective Course
- Fall/Spring
- 3 Credits



- Co-requisite Course: [Human Health and Disease: A Clinical Approach](#)
- Major Discipline: Biology, Biomedicine / Biotechnology, Pre-Medicine / Health Science

Stockholm Semester

Forensic Psychology Lab

- Elective Course
- Fall/Spring
- 3 Credits
- Co-requisite Course: [Forensic Psychology](#)
- Major Disciplines: Criminology / Criminal Justice, Psychology, Sociology

Medical Simulation Lab

- Elective Course
- Fall/Spring
- 3 Credits
- Co-requisite Course: [Precision Medicine: Tailored Treatment in Clinical Practice](#)
- Major Disciplines: Biology, Biomedicine / Biotechnology, Pre-Medicine / Health Science

Neuroscience of Emotion Lab

- Elective Course
- Fall/Spring
- 3 Credits
- Co-requisite Course: [Neuroscience of Emotion](#)
- Major Disciplines: Neuroscience, Psychology

Scandinavian Textiles and Fashion Workshop

- Elective Course
- Fall/Spring
- 3 Credits
- Major Disciplines: Design, Fashion Studies, Studio Art

Storytelling Workshop: How Narrative Works

- Elective Course
- Fall/Spring
- 3 Credits
- Major Disciplines: Communication, Creative Writing, Literature

Ways of Seeing: Storytelling Through Photography

- Elective Course
- Fall/Spring
- 3 Credits
- Major Disciplines: Communication, Photography, Visual Arts



Copenhagen Summer 2025

Climate Change of Arctic Ecosystems Lab

- Labs, Research, & Practicums Session, May 21-July 5, 2025
- 6 Credits
- *Prerequisites: One year of biology or ecology at university level. Bring appropriate clothing and footwear to stay warm and dry during the field lab in Greenland in potential subzero temperatures. Confidence in hiking on hilly and potentially slippery terrain is mandatory.*
- Major Disciplines: Environmental Science, Biology

Microbrains Lab: Modeling Neurodegeneration

- Labs, Research, & Practicums Session, May 21-July 5, 2025
- 6 Credits
- *Prerequisites: One year of biology, one year of chemistry, and one course with a lab component, all at university level.*
- Major Disciplines: Biology, Biomedicine / Biotechnology, Neuroscience

Stockholm Summer 2025

Biomedical Lab

- Labs, Research, & Practicums Session, May 21-July 5, 2024
- 6 credits
- *Prerequisites: One year of biology, one year of chemistry, and one course with a lab component, all at university level.*
- Major Discipline(s) Biology, Biomedicine / Biotechnology, Pre-Medicine / Health Science

DIS Research

Copenhagen Semester

Independent Research Project

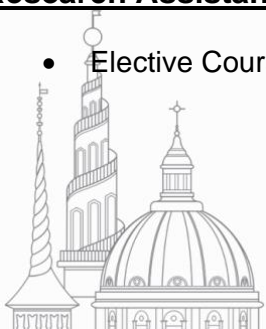
- Elective Course
- Fall/Spring
- 3 Credits

Research Assistant: Acoustic Ecology of Urban Bats

- Elective Course
- Fall/Spring
- 3 Credits
- Major Disciplines: Biology, Environmental Science, Sustainability

Research Assistant: Biological Pest Control in Agriculture

- Elective Course



- Fall/Spring
- 3 Credits
- Major Disciplines: Biology, Environmental Science, Sustainability

Research Assistant: Analyzing Cycling and Alternative Transportation Behavior in Copenhagen through a Nordic Sustainable Model

- Elective Course
- Fall/Spring
- 3 Credits
- Major Disciplines: Sustainability, Urban Design

Research Assistant: Development of Novel Aptamers for Therapeutic and/or Diagnostic Purposes

- Elective Course
- Fall/Spring (except Spring 2025)
- 6 Credits
- Major Disciplines: Biology, Biomedicine/Biotechnology

Research Assistant: Do Investment Behaviors and Outcomes Differ by Gender?

- Elective Course
- Fall/Spring
- 3 Credits
- Major Disciplines: Business, Economics

Research Assistant: Electroretinography and Subjective Visual Function in Age-related Macular Degeneration

- Elective Course
- Fall/Spring
- 6 Credits
- Major Disciplines: Biology, Pre-Medicine / Health Science

Research Assistant: Genomics of Migraine

- Elective Course
- Fall/Spring
- 6 Credits
- Major Disciplines: Biology, Chemistry/Biochemistry, Neuroscience

Research Assistant: Mesenchymal Stem Cell Extracellular Vesicles for β Cell Protection in Type 1 Diabetes

- Elective Course
- Fall/Spring
- 6 Credits
- *Prerequisites: One year of biology and one year of chemistry at the university level.*
- Major Disciplines: Biology, Biomedicine/Biotechnology, Chemistry/Biochemistry

Research Assistantship: Neuroimaging Brain Abnormalities in Mood Disorders

- Elective Course
- Fall/Spring



- 6 Credits
- Major Disciplines: Neuroscience

Research Assistant: Neurometabolism in Neurodegenerative Diseases

- Elective Course
- Fall/Spring
- 6 Credits
- *Prerequisites: One year each of biology and chemistry at university level. Laboratory experience at university level is recommended.*
- Major Disciplines: Neuroscience, Biology, Biomedicine/Biotechnology

Research Assistant: Retention of Nurses in the Hospital Sector

- Elective Course
- Fall/Spring
- 3 Credits
- Major Disciplines: Political Science, Public Health, Sociology

Research Assistant: Self-Identity, Human Relations, and Well-Being

- Elective Course
- Fall/Spring
- 3 Credits
- Major Disciplines: Psychology

Research Assistantship: Insights into Improved Cognitive Function via Neuroimaging

- Elective Course
- Fall/Spring
- 3 Credits
- Major Disciplines: Neuroscience

Research Assistant: Timing and Habitat Choice of Shorebirds on Migration

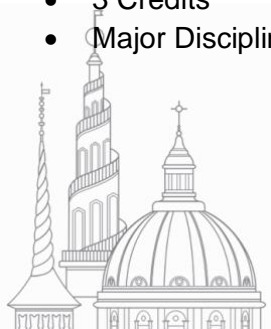
- Elective Course
- Fall/Spring
- 3 Credits
- Major Disciplines: Biology, Environmental Studies

Research Assistant: Treatment and Outcomes of Gastroesophageal Reflux Disease (GERD)

- Elective Course
- Fall/Spring
- 3 Credits
- Major Disciplines: Pre-Medicine / Health Science, Public Health

Research Assistant: What if imagination could change the world? Turning magic into intelligence

- Elective Course
- Fall/Spring
- 3 Credits
- Major Disciplines: Entrepreneurship, Neuroscience, Visual Arts



Stockholm Semester

Independent Research Project

- Elective Course
- Fall/Spring
- 3 Credits

Research Assistant: Biochemistry-Biophysics of Ion Channels

- Elective Course
- Fall/Spring
- 6 Credits
- *Prerequisites: One year of chemistry and one year of either biology or physics at university level.*
- Major Disciplines: Biology, Biomedicine / Biotechnology, Pre-Medicine / Health Science

Research Assistant: Mapping Protein Distribution in the Brain

- Elective Course
- Fall/Spring
- 6 Credits
- *Prerequisites: One year of biology, chemistry, or neuroscience at a university. Basic laboratory experience at a university level is recommended.*
- Major Disciplines: Biology, Biomedicine / Biotechnology

Research Assistantship: Psychological Research in Digital Media

- Elective Course
- Fall/Spring
- 3 Credits
- Major Disciplines: Computer Science, Psychology

Research Assistant: Unveiling Frustration

- Elective Course
- Fall/Spring
- 6 Credits
- *Prerequisites: One course in psychology, cognitive neuroscience, neuroscience, affective neuroscience, or those related to emotion at university level. Proficiency in Statistics and software applications such as R and SPSS is necessary.*
- Major Disciplines: Neuroscience, Psychology

Research Assistant: Visualizing Protein Distribution in the Brain

- Elective Course
- Fall/Spring
- 6 Credits
- Major Disciplines: Biomedicine / Biotechnology, Computer Science

Copenhagen Summer 2025

Research Assistant: Antisense Peptide Nucleic Acid as New Generation of Precise Antibiotic



- Labs, Research, & Practicums Session, May 21-July 5, 2025
- 6 credits
- *Prerequisites: One year of biology and one year of chemistry at the university level.*
- Major Disciplines: Biology, Chemistry / Biochemistry, Pre-Medicine / Health Science

Research Assistant: Development of Novel Aptamers for Therapeutic and/or Diagnostic Purposes

- Labs, Research, & Practicums Session, May 21-July 5, 2025
- 6 credits
- *Prerequisites: One year of biology and one year of biochemistry at the university level.*
- Major Disciplines: Biology, Biomedicine / Biotechnology

Research Assistant: Mesenchymal Stem Cell Extracellular Vesicles for β Cell Protection in Type 1 Diabetes

- Labs, Research, & Practicums Session, May 21-July 5, 2025
- 6 credits
- *Prerequisites: One year of biology and one year of chemistry at the university level.*
- Major Disciplines: Biology, Biomedicine / Biotechnology, Chemistry / Biochemistry

Research Assistant: Modes of Architectural Production in U.S., Denmark, and Sweden

- Labs, Research, & Practicums Session, May 21-July 5, 2025
- 6 credits
- Major Disciplines: History, Architecture

Research Assistant: Neuroimaging Brain Abnormalities in Mood Disorders

- Labs, Research, & Practicums Session, May 21-July 5, 2025
- 6 credits
- Major Disciplines: Biology, Neuroscience, Pre-Medicine / Health Science

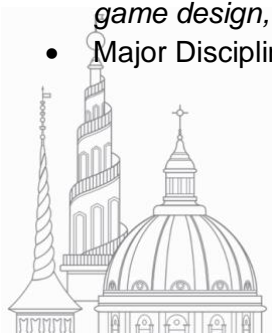
Stockholm Summer 2025

Research Assistant: Exploring Human Mobility through Data Science

- Labs, Research, & Practicums Session, May 21-July 5, 2025
- 6 Credits
- *Prerequisites: One year of computer science at university level and a course in algorithms and data structures.*
- Major Disciplines: Computer Science, Data Science, Mathematics

Research Assistant: Understanding Human Behavior in Games

- Labs, Research, & Practicums Session, May 21-July 5, 2025
- 6 Credits
- *Prerequisites: One research methods course, and one year of either psychology, game design, or media studies, all at university level.*
- Major Disciplines: Media Studies, Psychology, Computer Science



Research Assistant: Unveiling Frustration

- Labs, Research, & Practicums Session, May 21-July 5, 2025
- 6 Credits
- *Prerequisites: One course in psychology, cognitive neuroscience, neuroscience, affective neuroscience, or those related to emotion at university level. Proficiency in Statistics and software applications such as R and SPSS is necessary.*
- Major Disciplines: Neuroscience, Psychology

DIS Practicums

Copenhagen Semester

Child Development and Education in Scandinavia Practicum

- Elective Course
- Fall/Spring
- 3 Credits
- Co-requisite Course: [Child Development and Education in Scandinavia](#)
- Major Disciplines: Child Development, Education/Educational Studies, Human Development

Entrepreneurship Practicum

- Elective Course
- Fall/Spring
- 3 Credits
- Major Disciplines: Business, Entrepreneurship, Social Entrepreneurship

European Clinical Psychology Practicum

- Elective Course
- Fall/Springs
- 3 Credits
- Co-requisite Course: [European Clinical Psychology](#)
- Major Disciplines: Human Development, Pre-Medicine / Health Science, Psychology

Positive Psychology Practicum: Methods and Practice

- Elective Course
- Fall/Spring
- 3 Credits
- Co-requisite Courses: [Positive Psychology](#)
- Major Disciplines: Education/Educational Studies, Human Development, Psychology

Copenhagen Summer 2025

Innovation and Entrepreneurship in Europe + Practicum

- Labs, Research, & Practicums Session, May 21-July 5, 2025
- 6 credits
- Major Disciplines: Business, Entrepreneurship, Social Entrepreneurship

