



Karolinska  
Institutet

THIS IS

**KAROLINSKA  
INSTITUTET**



## OUR VISION

**We are advancing knowledge about life and strive towards better health for all.**



# EDUCATION

Karolinska Institutet offers Sweden's widest range of education in medicine and health sciences.

Most of KI's study programmes lead to a **professional degree**, while others offer a **general degree**. Many of the programmes include **practical educational training in the healthcare setting**. KI also offers **one Bachelor and several global Master's programmes** with an international focus, in English.

**13**

BEGINNER'S  
PROGRAMMES

**27**

CONTINUATION  
PROGRAMMES

**80**

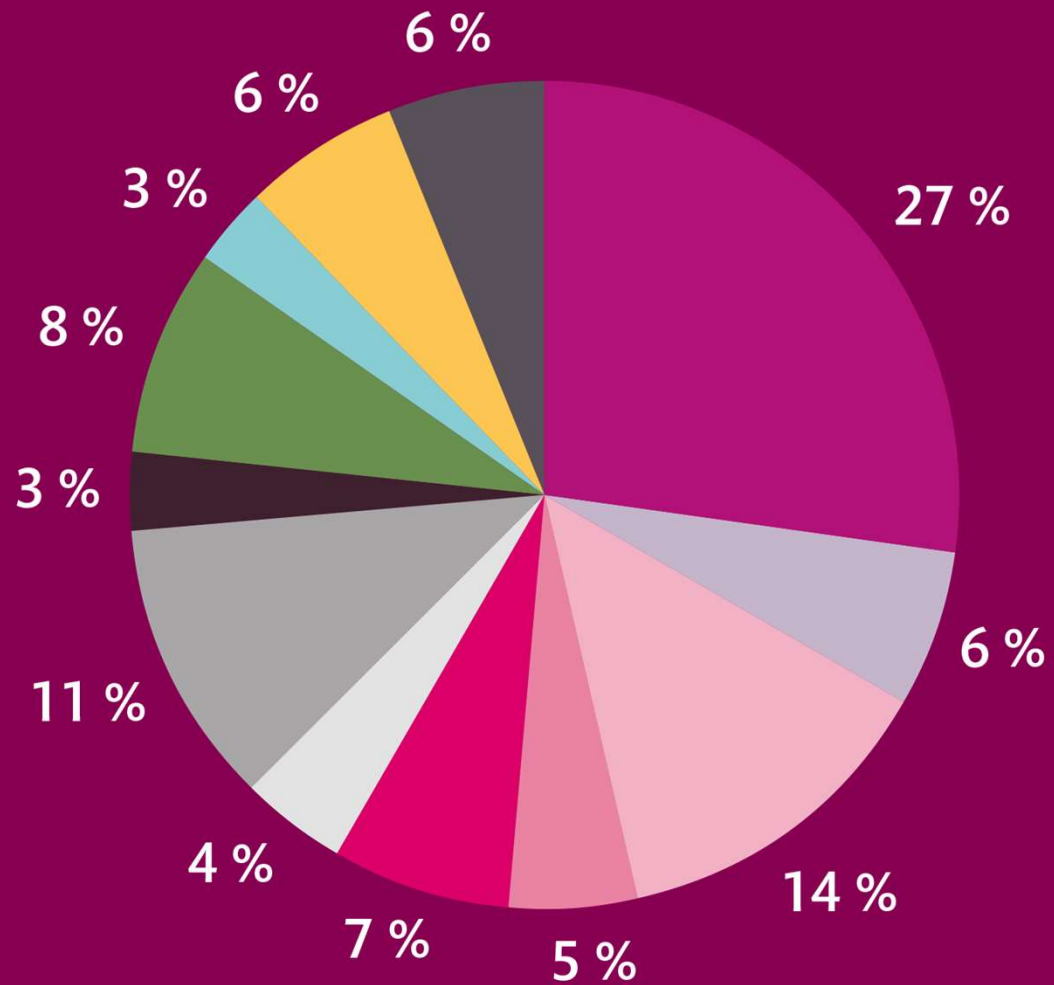
FREESTANDING  
COURSES



## Total FTE students

# 5,962

- Medicine 27 %
- Physiotherapy 6 %
- Nursing 14 %
- Psychology 5 %
- Dentistry 7 %
- Occupational therapy 4 %
- Other beginners' programmes 11 %
- Biomedical laboratory science 3 %
- Specialist nursing 8 %
- Other continuation programmes 3 %
- Master's programmes 6 %
- Freestanding courses 6 %





**Karolinska Institutet offers education in medicine, nursing, health sciences and dentistry.**



# DOCTORAL EDUCATION

KI accounts for approximately **40 percent of all doctoral education** in Sweden in the fields of medicine and health. Each year, around **350 students complete their doctoral degree (PhD)**.

KI's doctoral students have backgrounds in a variety of scientific fields, and a large proportion come from abroad.

**2,134**

Doctoral students





# RESEARCH

Research at Karolinska Institutet encompasses a broad range: from basic molecular biological research to clinical epidemiology and care sciences.

Clinic-based research facilitates the swift transfer of experimental findings to patient benefit, and clinical observations provide the basis for new research ideas.



“  
Research must be free to operate without interference from political swings, faddish opinions or other pressure groups. Evidence and correct facts are absolutely fundamental to the building of our society.”

**Ole Petter Ottersen**  
President Karolinska Institutet



## RESEARCH FIELDS

- Cancer and haematology
- Cell, molecular and structural biology
- Circulation and respiration
- Infection and inflammation
- Endocrinology and metabolism
- Epidemiology and public health
- Developmental biology, reproduction and reparative medicine
- Care sciences and ageing
- Neuroscience and psychiatry





Every year Karolinska Institutet's researchers publish a large number of academic articles in collaboration with researchers in other countries. In recent years these joint publications have represented approximately 70 per cent of KI's published articles.

# COLLABORATION

Much of KI's research and education takes place in the healthcare environment, which requires the close collaboration between KI and the Stockholm County Council. Interactions also occur with the private sector. These partnerships contribute to shared knowledge, joint funding opportunities, and access to common resources.

An illustration of two hands, one dark purple and one light purple, reaching towards each other in a gesture of collaboration or support.

KI has extensive international partnerships in both research and education, and in 2016 opened its first research centre outside Sweden – the Ming Wai Lau Centre for Reparative Medicine in Hong Kong.

# GEOGRAPHICAL SPREAD



# KAROLINSKA INSTITUTET EXPANDS

- Investing in the future needs of research and education
- Long-term development plan for the Solna campus
- Several new buildings
- Central campus environment preserved
- Walkway linking Karolinska Institutet and the Karolinska University Hospital in Solna



# CAMPUS SOLNA BIOMEDICUM – the laboratory of the future

- One of Europe's largest medical research facilities, opened 2018
- Laboratory facilities for 1,600 researchers and other staff
- Experimental research in an advanced laboratory environment



# CAMPUS SOLNA BIOCLINICUM – a hub for research and education

- The building is connected to the hospital and Biomedicum, creating proximity between both preclinical institutions and premises for healthcare, education and research, opened 2018
- Create opportunities and conditions for clinical research and training



# CAMPUS FLEMINGSBERG

## NEO – a new hub for biomedical research

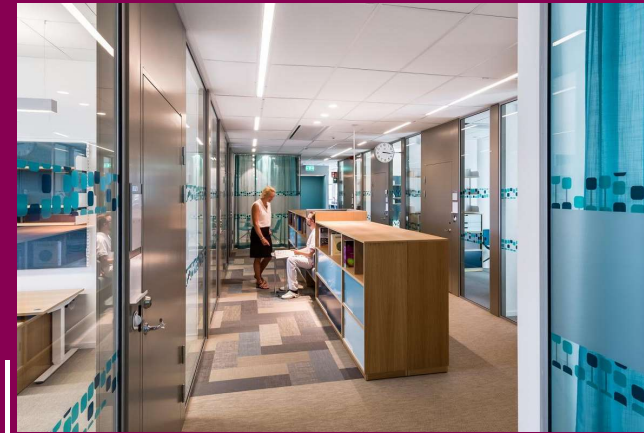
- New building for experimental biomedical research that opened in 2018
- Hub for basic and clinical research as well as education





# CAMPUS FLEMINGSBERG ANA FUTURA – for collaborations

- Creating a leading translational integrated research environment equipped for cutting-edge research, where the boundaries between departments and clinics are torn down and researchers collaborate on the basis of common research profiles
- Opened in 2019



# FUTURE LEARNING ENVIRONMENTS

- Renovation and refurbishment of student spaces on campus and hospital grounds
- Improved environments for socialising, group work and self-study



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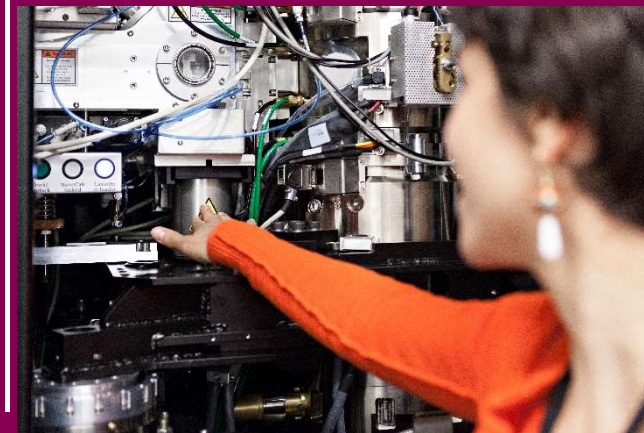
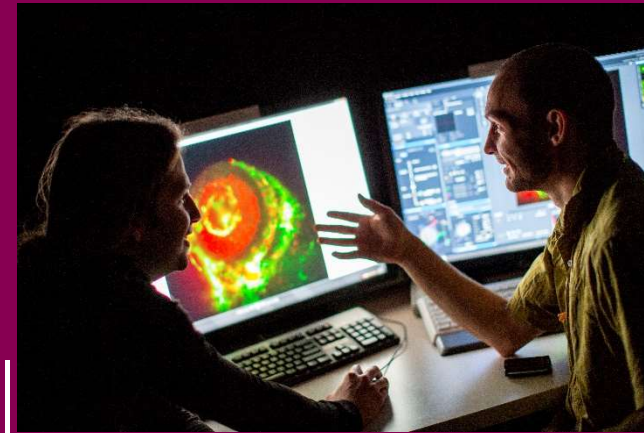
# SciLifeLab - Science for Life Laboratory

- SciLifeLab started 2010 as a joint effort between four universities: Karolinska Institutet, KTH Royal Institute of Technology, Stockholm University and Uppsala University
- An institution for the advancement of molecular biosciences in Sweden



## RESEARCH at SciLifeLab

- Provides access for researchers to cutting-edge instrumentation and deep scientific expertise necessary to be internationally competitive in bioscience
- Create a unique environment for carrying out health and environmental research at the highest level





# RESEARCH at SciLifeLab

## INFRASTRUCTURE SERVICES

Infrastructure units A-Z ▾

Genomics

Metabolomics

Chemical Biology and Genome  
Engineering

Bioinformatics

Spatial Omics

Single Cell Biology

Drug Discovery

Proteomics

Bioimaging and Molecular  
Structure

Diagnostics

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**Karolinska  
Institutet**

**Follow KI  
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Karolinska Institutet (KI) is one of the world's leading medical universities. Our vision is to advance knowledge about life and strive towards better health for all. As a university, KI is Sweden's single largest centre of medical academic research and offers the country's widest range of medical courses and programmes. Since 1901 the Nobel Assembly at Karolinska Institutet has selected the Nobel laureates in Physiology or Medicine.