



Master's programme

Cancer, Stem Cells and Developmental Biology



IS THIS PROGRAMME FOR YOU?

The Cancer, Stem Cells and Developmental Biology Master's programme provides a unique opportunity for students to become acquainted with cutting-edge research in fundamental processes underlying development and disease, while maintaining a constant focus on clinical implications and relevance. Students will have an affinity with one of the specialisations of our research groups, and the ambition to become independent researchers in one of the fields covered by Cancer, Stem Cells and Developmental Biology. Cancer is related to mutations in DNA and we have identified a large number of genes and processes that play a role in disease development. We have also discovered that fundamental mechanisms underlying cancer are similar to those underlying normal cell development. At the same time, these advances have taught us how difficult it will be to cure all forms of cancer. That is the major challenge awaiting us in the future.

CANCER, STEM CELLS AND DEVELOPMENTAL BIOLOGY IN UTRECHT

Leading Life Sciences research groups at Utrecht University organise the Cancer, Stem Cells and Developmental Biology programme, which is housed in the Research School Cancer, Stem Cells and Developmental Biology. In addition to the Master's programme, with approximately 100 students, the School also has a Doctorate programme with approximately 200 students. Many of the theoretical courses are open to both Master's and Doctorate students. The School trains students in fundamental research into the regulatory processes that, when disturbed, cause conditions like cancer. The research combines advanced expertise in the areas of Developmental Biology, Genetics, Cell Biology, and Molecular Biology, using sophisticated modern techniques in the fields of genomics, proteomics, and bioinformatics to solve complex questions about the regulation of gene expression, transcriptional regulation, protein structure and function, and signal transduction cascades.

PROGRAMME OUTLINE

Duration: 2 years full time

EC: 120

Language: English

Start: September

Application deadline EU/EEA and Non-EU/EEA students: 1 April

Degree: Master of Science

This Master's programme is registered under the name Biomedical Sciences (code 66990) and is organised by the Graduate School of Life Sciences, Utrecht University.

- International Research Master
- Top research groups, excellent international connections
- Maximal freedom to compose your own Master's Programme
- Excellent career possibilities for graduates

CAREER PROSPECTS

This diploma offers graduates wonderful opportunities to work on their doctorates in the Netherlands or abroad. There is a growing need at both the national and international levels for experts in the fields of research covered by Cancer, Stem Cells and Developmental Biology. This Master's Programme will prepare students for doctorate positions in one of the participating or associated research groups of the Research School. Alternatively, students who leave after obtaining their Master's degree will have received a solid education in Cancer Genetics and Developmental Biology. There is enormous demand for individuals with this type of Master's training in both fundamental and disease-oriented biomedical research. They will find their way into academic research, research institutes, biotechnology, the pharmaceutical industry, policy-making in science and health care, and education.

ADMISSION

A Dutch or equivalent foreign Bachelor of Science in Biomedical Sciences or Biology is required to enter the programme. The admissions committee will review all requests for admission and will select students with clear ambitions and a talent for research. The selection procedure may include an interview. In addition, proficiency in English is a prerequisite for admission to the programme. For up-to-date information, please check: www.uu.nl/masters/csdb.



It offers additional learning experiences

"I chose this programme for its exceptional scientific scope and great career opportunities. The programme is affiliated with the prestigious Hubrecht Institute and UMC Utrecht, which gives you the chance to develop strong connections within an important international network.

It offers additional learning experiences, from seminars to retreats, and more hands-on lab experience than comparable programmes. While it's more demanding than most, it also delivers far more.

My internships, including my internship at the University of California, and the networks I developed, paved the way for my current PhD position."

My Ahn Truong, alumnus

read the full interview on www.uu.nl/masters/csdb

Programme scheme

51
EC

Major
Research
Project

33
EC

Minor
Research
Project

15
EC

Mandatory
theoretical
courses

12
EC

Elective
component

7.5
EC

Writing
assignment

1.5
EC

Life Sciences
Academy



**MASTER
YOUR
FUTURE**
AT UTRECHT UNIVERSITY

www.uu.nl/masters

More information

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