Master's programme

Regenerative Medicine and Technology

IS THIS PROGRAMME FOR YOU?
Humans cannot regenerate complete organs. The field of regenerative medicine is rapidly emerging and aims to help the body to functionally restore lost tissue or organs. To push forward this field, multiple disciplines need to converge. Therefore, this programme is all about combining tools and knowledge of biomedical and physical sciences with engineering.

Due to its multidisciplinarity, this programme is interesting for students with a background in biomedical sciences or engineering but also from many other disciplines. Of course, an explicit interest in regenerative medicine and technologies is a prerequisite.

REGENERATIVE MEDICINE AND TECHNOLOGY IN UtreCHt AND EINDHoven
The Master’s programme, Regenerative Medicine and Technology, started in September of 2012 in cooperation with the department of Biomedical Engineering of the Eindhoven University of Technology. It combines the expertises of both universities and provides access to their state-of-the-art laboratories. Students can enroll at either one of both institutes.

Regenerative Medicine and Technology aims to educate the next generation of scientists and engineers to innovate at the intersection of biomedical science, technology and clinical applications. The development and application of new technologies will be a major focus. The term “technology” can be interpreted in a broad sense: ranging from specific stem cell culturing techniques, biomaterials, to computer models and imaging modalities. This rapidly emerging field has significant impact on current and future health care.

■ Multidisciplinary research
■ Focus on clinical translation
■ Combined education of well-renowned institutes
■ Option of internship abroad

PROGRAMME OUTLINE
Duration: 2 years
EC: 120
Language: English
Start: September
Application deadline: 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 and the Graduate Program Life Sciences and Engineering, Eindhoven University of Technology.
DURING YOUR STUDIES
You are able to create your own, individual specialisation programme. The majority of your study components will be performed at the university of enrolment, while some components are taught at the partner university.

CAREER PROSPECTS
Your employment opportunities are very diverse, ranging from continuation with a PhD position to employment as a scientist/project leader in industry, consultancy or governmental institutions.

ADMISSION
A Dutch or equivalent foreign BSc in Biomedical Sciences or Biomedical Engineering is required to enter the programme. BSc from related programmes may be considered if supported by excellent track record, motivation and interest. Proficiency in written and spoken English is required.

For up-to-date information, please check www.uu.nl/masters/rmt

STUDY PROGRAMME
The student creates his or her own Master’s programme of 120 ECTS credits. The components of the programme, as presented in the table below, can be followed in any given order, except for the obligatory introductory course.

Programme scheme

- Major Research Project: 51 EC
- Minor Research Project: 33 EC
- Mandatory theoretical courses: 15 EC
- Elective component: 12 EC
- Writing assignment: 7.5 EC
- Life Sciences Academy: 1.5 EC

more information
Programme coordinator
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Heidelberglaan 100, 3584 CX Utrecht

More information
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... access to state-of-the-art facilities and expertise ...

“The Master’s Regenerative Medicine and Technology (RMT) is highly oriented towards hands-on experience of the research process which, for me, was invaluable. I learned how to plan and conduct experiments in an organised way and with a strong theoretical foundation. I developed a wide range of skills and knowledge that is still very useful for my Ph.D. track, including strong skills in problem-solving, outside-the-box thinking, effective communication and teamwork, and the initiative to try new things. The interdisciplinary nature of the programme has also given me an important foundation for working in a multidisciplinary team, where knowledge of many different fields is essential.”

Paulina Núñez, alumnus

Read the full interview on www.uu.nl/masters/rmt