Translating fundamental biomedical discoveries into applied clinical practice and public health issues

The Human Biology specialisation combines fundamental human biology with clinical studies in a strong translational way. It provides you with extensive biological knowledge and experience in working with animal and patient samples. In this way you’ll be trained to bridge the gap between biomedical research results and clinical practice.

Why study this specialisation at Radboud University?
- This programme bridges the gap between fundamental biomedical research and clinical treatments.
- Radboud biologists and clinicians stand out in the fields of animal and human physiology, human genetics and disease, and molecular and cellular biomedical studies.
- This programme offers internships at multiple research institutes related to Human Biology, such as the Radboud Institute for Health Sciences (RIHS), Radboud Institute for Molecular Life Sciences (RIMLS) and the Donders Institute for Brain, Cognition, and Behaviour (DI).
- There are various opportunities to do an internship abroad thanks to our wide network of cooperating research groups.
Programme outline (2 years, 120 EC)
The programme of this specialisation depends on the Master’s that you follow: Medical Biology or Molecular Life Sciences.

Courses
Below you can find an overview of the compulsory courses and some examples of electives. Please have a look at the online prospectus (see ‘More information’) for more detailed information.

Compulsory courses
- Transport and Metabolomics (3 EC)
- Molecular Therapy (3 EC)
- Trends in Stem Cell Biology (3 EC)
- Translational Genomics (6 EC)

Examples of specialisation electives
- Advanced Endocrinology (3 EC)
- Cellular Imaging in Four Dimensions (3 EC)
- Human Fertility (3 EC)
- Laboratory Animal Science (3 EC)
- Molecular Aspects of Host Defense, Tissue Destruction and Repair (3 EC)

Research internship
During your internships, you’ll perform your own experiments, under the supervision of one of our top researchers. Relevant Radboud departments include:
- Human Genetics
  - Prof. Han Brunner
- Pathology
  - Dr. Benno Küsters
- Pediatric Oncology
  - Dr. Frank van Leeuwen
- Hematology
  - Dr. Harry Dolstra
- Molecular Pharmacology and Toxicology
  - Prof. Frans Russel

You can also choose to do an internship at an external institute, a company, or another university in the Netherlands or abroad. There are, for example, close contacts with the Max Planck Institute in Germany. For other possibilities, you can always contact a lecturer or the student advisor (see ‘More information’).

Your advantages on the labour market
After graduation, our students quickly take up positions as researchers at universities, hospitals, and medical and pharmaceutical companies. However, many of our graduates also apply their academic background to societal issues, for example, as a communications or policy officer. In general, human biologists end up as researchers, supervisors of clinical trials, consultants, policy officers, communications officers, or teachers.

Admission requirements
You are required to have a Bachelor’s degree in Medical Biology, Molecular Life Sciences, Biomedical Sciences, Biology (with a minor in Medical Biology, Neuroscience or Medicine), or a closely related discipline. You must also have a sufficient proficiency in English.

Students from a University of Applied Sciences (HBO) need to follow a relevant pre-Master’s or minor. Other additional deficiency programmes are tailor-made. For details, please visit the website or contact the student advisor (see ‘More information’).

Application procedure
The programme starts in September. The application deadline is 1 April for students from non-EU/EEA countries and 1 May for students from within the EU/EEA.
You apply for the Master’s programme in Medical Biology or Molecular Life Sciences via www.studielink.nl. After admittance to the Master’s programme, you can enrol for the specialisation in Human Biology.

>>> More information
Prospectus: www.ru.nl/prospectus/sciencefaculty
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Student advisor Molecular Life Sciences: Gerrie Coppens
  > molecularlifesciences@ru.nl / +31 (0)24 365 30 28

www.ru.nl/masters/humanbiology