



# Major Health & Life Science

University College Groningen

*Rolf Sijmons*



university of  
groningen

Faculty of Mathematics and Natural Sciences  
Faculty of Medical Sciences

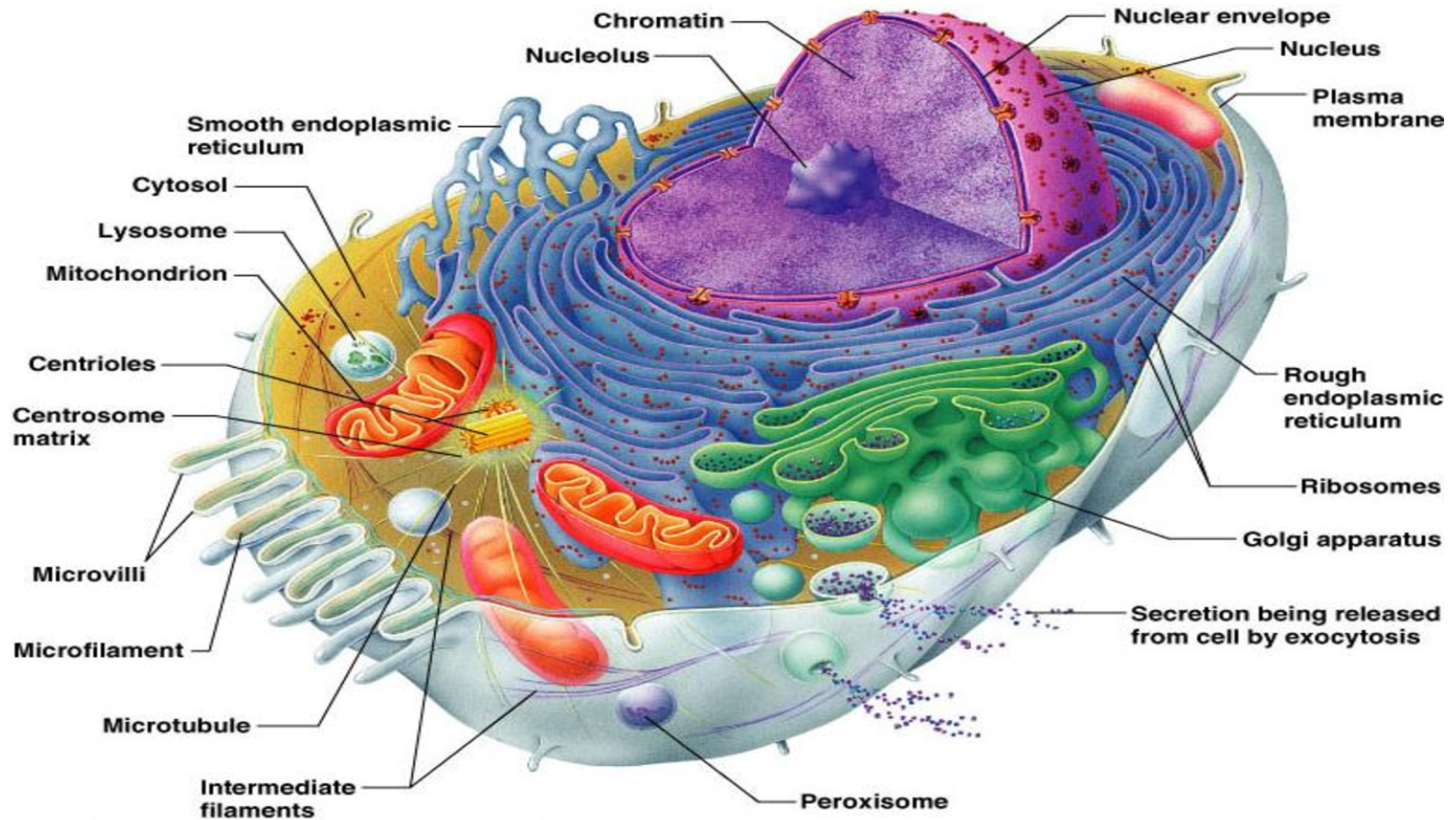


University Medical Center Groningen

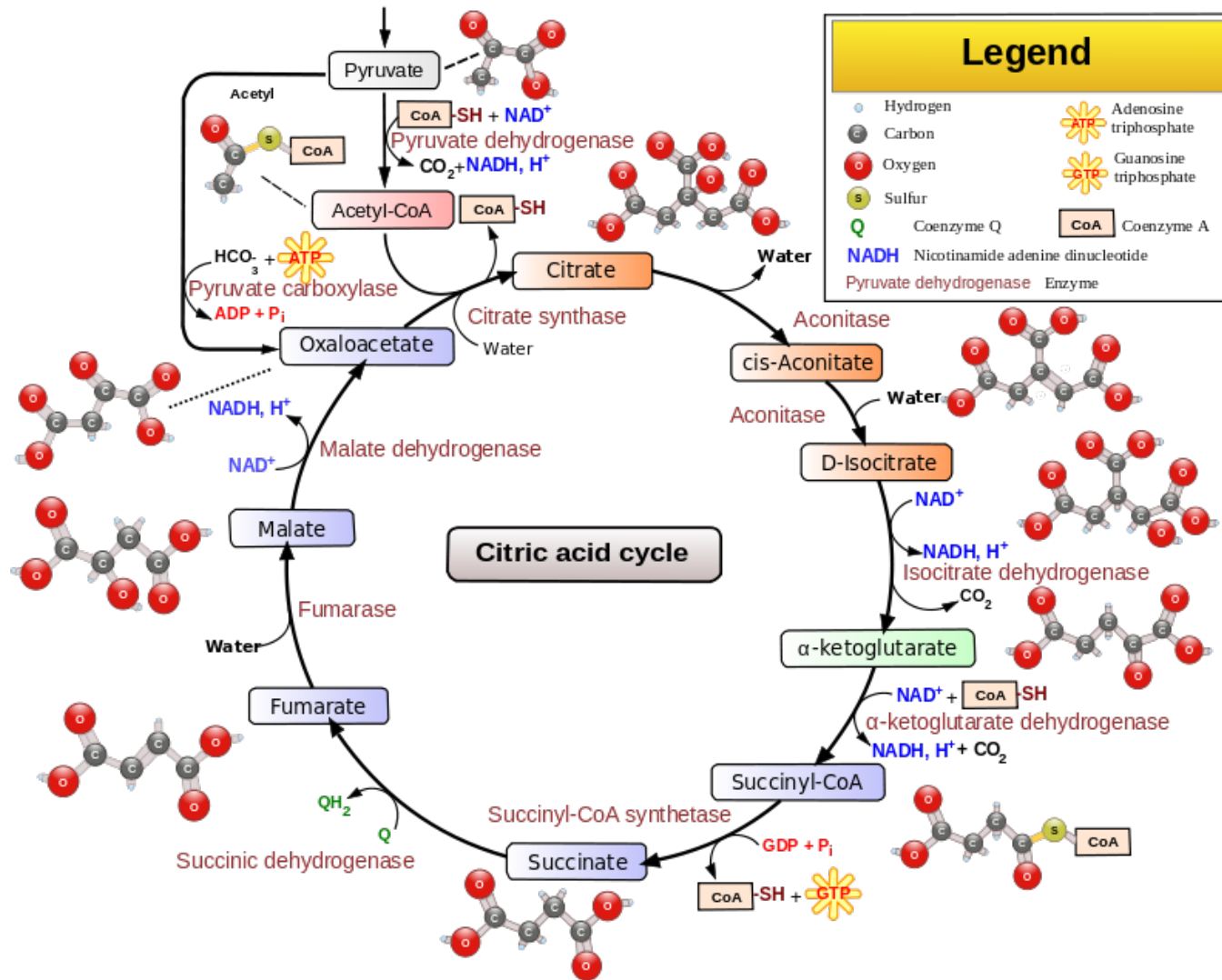
# This Presentation

- Topics of this Major
- Structure of this Major
- Methods & Staff
  
- Who should choose this Major?
  
- After your Bachelor: Master program

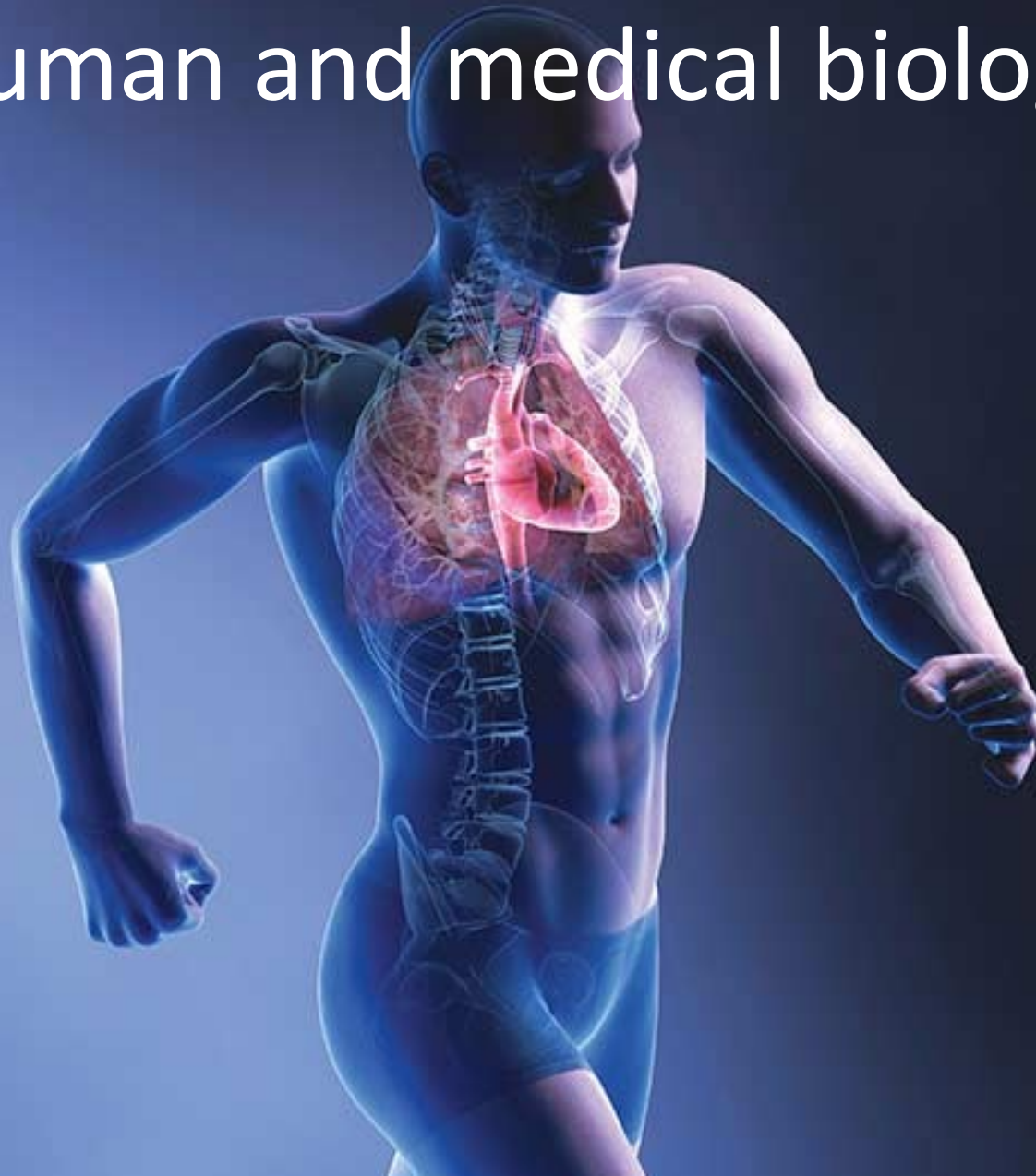
# human and medical biology



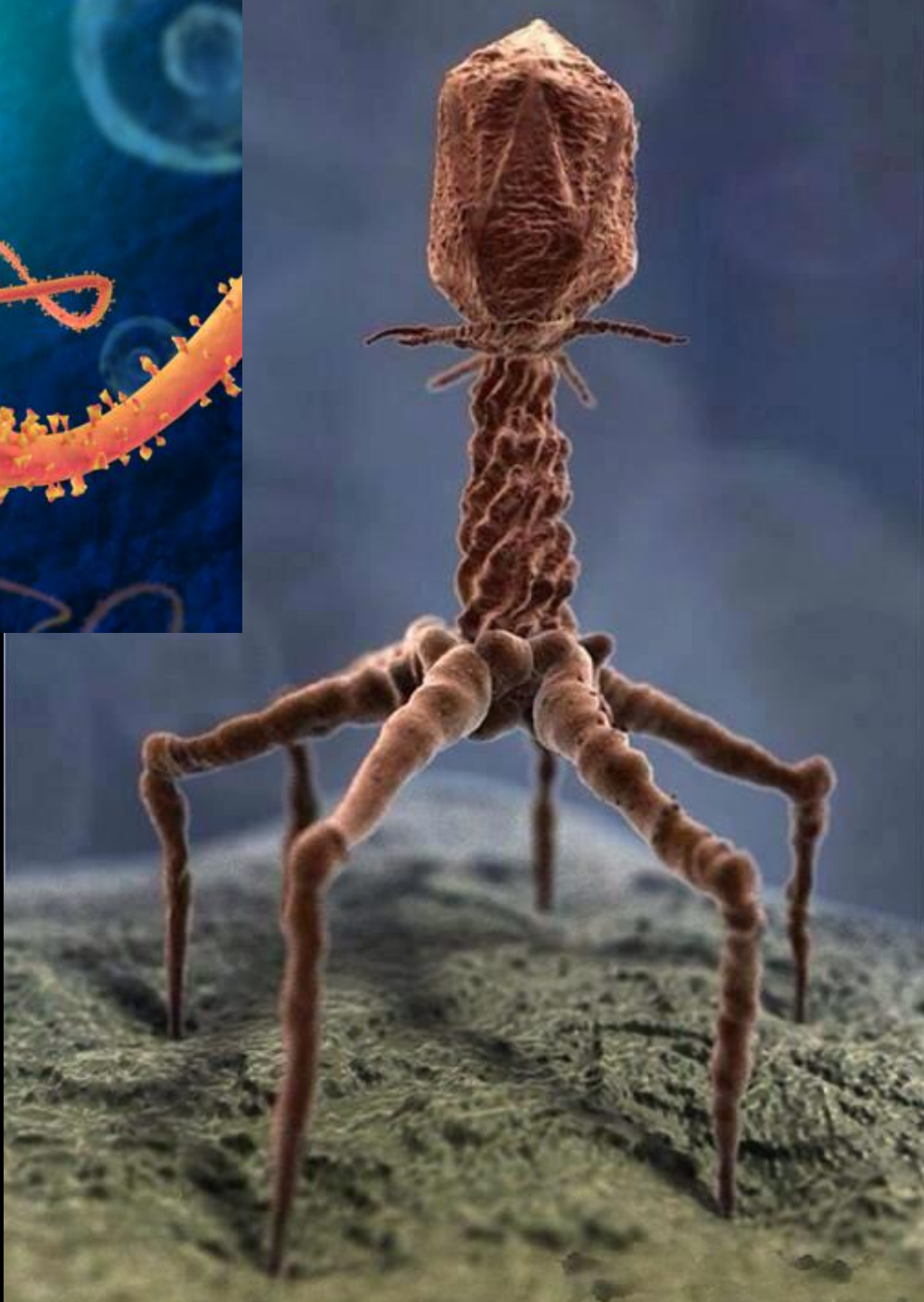
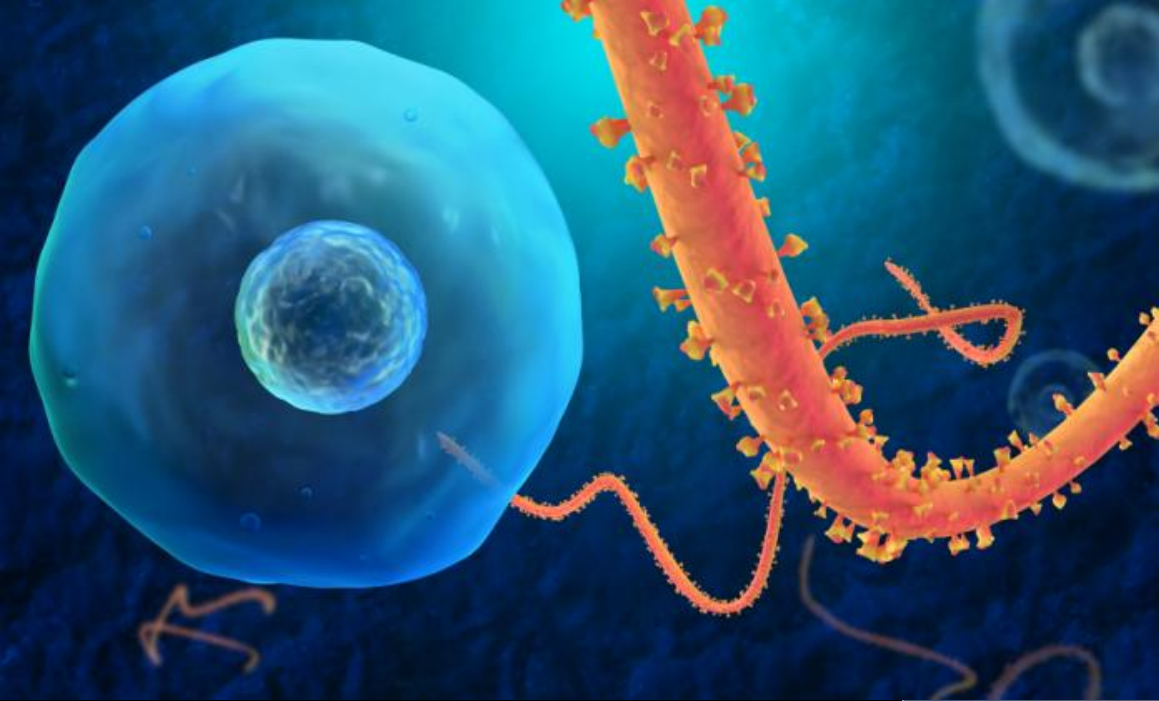
# human and medical biology



# human and medical biology







# From DNA to Humans and their Health





From **DNA** to **Humans** and their **Health**,  
to **Populations** and their **Societies & Cultures**





# Year 1 (Block 4)

**2 elective courses:**

Introduction to Health & Disease

Introduction to Cell Biology

## Year 2

4 mandatory courses:

Cell Biology

Biochemistry

Physiology (and Anatomy)

Immunology / Microbiology / ....

## Year 3

elective courses: choose 2

(topics still flexible)

Global health

Movement

Ageing

Precision Medicine

# Educational Methods in this Major

- Small Group Lectures
- Working Groups (putting content into perspective ; problem based)
- Journal Club (reading and discussing scientific papers / other media)
- Laboratory Practicals
- Self Study

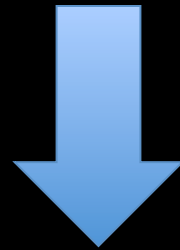
# Teaching Staff

- Dr Roland Chiu , biologist
- Dr Esther de Haas , MD / epidemiologist
- Prof Rolf Sijmons, MD / medical geneticist
- Dr Helga Westers, biologist
- Prof Cisca Wijmenga, biologist / geneticist
- Prof Hidde Haisma, biologist /pharmacologist
- Others



*Major  
Health & Life Science*

Bachelor UCG



Biomedical Research Masters

# RUG Biomedical Research Masters

[www.rug.nl/masters/health-life-sciences](http://www.rug.nl/masters/health-life-sciences)

Biomedical Sciences

Molecular Biology and Biotechnology

Medical Pharmaceutical Sciences

Medical and Pharmaceutical Drug Innovation

Behavioural and Cognitive Neurosciences

Clinical and Psychosocial Epidemiology

Human Movement Sciences

Sport Sciences

Bachelor UCG -  
Major  
Health & Life  
Science

Other Bachelors  
(RUG or non-  
RUG)

*Conditional*  
admittance for RUG and non-RUG students

Biomedical Research Masters RUG





Depends on particular Master

-Assessment of details of your bachelor

-Interviews

-Grades (top ..%?)

-Deficiency repair program

-Others

*Conditional*

admittance for RUG and non-RUG students

Depends on particular Master

- Assessment of details of your bachelor
- Interviews
- Grades (top ..%?)
- Deficiency repair program
- Others

*Conditional*  
admittance for RUG and non-RUG students

Choose content of your bachelor  
thesis and of topics of ECs  
outside the Major  
wisely

**TALK TO YOUR TUTOR/MENTOR!**







*RUG*  
Bachelor  
Medicine



*RUG*  
Master Medicine  
(MD)

*RUG*  
Bachelor  
Medicine

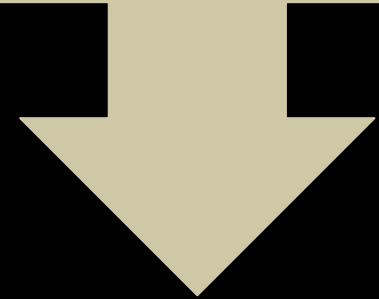


*RUG*  
Master Medicine  
(MD)

Other Bachelors or  
Masters

+

passed Physics &  
Chemistry exam in  
secondary school





*RUG*  
Bachelor  
Medicine



Other Bachelors or  
Masters

+  
passed Physics &  
Chemistry exam in  
secondary school

[www.rug.nl/umcg/education/  
medicine/lateral-entry/](http://www.rug.nl/umcg/education/medicine/lateral-entry/)



*RUG*  
Master Medicine  
(MD)



*special entry test*



1 yr Pre-Master Medicine  
max 35 students (+10 reserved)