



# Matthijs Kersten

## Master of Science

I'm an enthusiastic, positive, driven researcher who enjoys working with people. I find it easy to communicate and collaborate, which helps me build strong working relationships across teams. With solid experience in project management and hands-on skills in various biomolecular techniques, I'm known for connecting the dots between departments and keeping projects on track with clear communication and coordination.

## Contact

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## Education

2022

### Master of Science

HAN University of Applied Sciences

2019

### Bachelor of Science

HAN University of Applied Sciences

## Expertise

- Plant tissue culture
- Plant transformation
- Molecular cloning
- Fluorescence microscopy
- Project management
- Protocol development

## Software skills

- Microsoft Office
- ImageJ (Fiji)
- A plasmid Editor (ApE)
- SnapGene
- LAS X
- Zen
- LIMS

## Education

○ 09/2020 - 08/2022

HAN University of Applied Sciences, Nijmegen

### Master Molecular Life Sciences

This master education focuses on the production pipeline from idea to product. Using modules of Project management, Vaccines and diagnostics, Drug development and Production of biomolecules, I was trained to be a critical, independent, collaborative, multi-disciplinary scientist.

For the duration of my two-year master's education, I worked at Keygene N.V., where I had the opportunity to lead multiple projects contributing to apomixis research. This extensive internship also allowed me to supervise multiple students, gaining valuable experience in coaching and teaching.

For my thesis, titled 'Transformation protocol development in *Glycine max* and *Nicotiana benthamiana*', I was tasked to write a project proposal. This contained an overview of the project, project objectives, scientific approach, planning, budget, risk analysis, and a communication and organizational plan. This project ran for 5 months in which I've led a team of 6 people. Techniques such as molecular cloning, fluorescence microscopy, plant tissue culture and agroinfiltrations were often used. After this period, my thesis, workplace assessment and defense were graded with an 8. Overall, I completed this master education with an 7.

○ 09/2015 - 06/2019

HAN University of Applied Sciences, Nijmegen

### Bachelor Life sciences

This bachelor's program provided me with a solid foundation in science. The first year covered a broad range of subjects, including chemistry, biology, mathematics, and lab calculations. As the program progressed, the focus shifted to molecular biology, biochemistry, cell biology, and genetic variation. I chose the minor 'Bio-nano Technology,' where I learned to integrate chemistry and biology at the molecular level.

During this study, I completed two six-month internships. In my first internship, I worked with the nematode *Caenorhabditis elegans*. My supervisor provided me with two mutant phenotypes from a previous EMS mutagenesis screen. I used fluorescence microscopy, genetic mapping with SNPs, and microinjections to characterize the mutant nematodes. This internship was graded with an 8.

In my second internship, I worked with zebrafish. The group was searching for a specific marker for a type of spermatogonial stem cell. I cloned lead genes from zebrafish gDNA into various constructs which were then injected into zebrafish embryos and genotyped after several months. This internship provided me with extensive experience in molecular cloning and was also graded with an 8.

# Language

- Dutch (native)
- English (C2)

# Additional work experience

2025 - present

Dollars live music café  
Bartender

2023 - present

Albert Heijn E-commerce  
Delivery

2022 - 2023

Haerkens B.V., Nijmegen  
Electrician

2019 - 2020

Haerkens B.V., Nijmegen  
Electrician

2015 - 2021

Lidl, Arnhem, Beuningen, Wijchen  
All-round employee

2013 - 2015

C1000/Jumbo, Beuningen  
All-round employee

# Driver license

- B

# Hobbies

I enjoy challenging activities that demand dedication and skill, such as mastering complex guitar pieces and engaging in Mixed Martial Arts sparring. I continuously push myself to improve and showcase my progress in tournaments and open mic nights.

# Reference

## Andrea Thiele

Program manager Master Molecular life Sciences, HAN University of Applied Sciences

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## Rik op den Camp

Program scientist, Keygene N.V.

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## Jan Bogerd

Assistant professor, Utrecht university

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