

Hide Ploeger

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EDUCATION:

Karolinska Institutet - Stockholm, Sweden, Aug. 2023 - Jul. 2025

Masters of Medical Science with Major in Biomedicine (2 years)

- Achieved with distinction (top 10%) across all modules
- Granted membership to Code_Club, developing computational tools (scRNA-seq data)

Lancaster University - Lancaster, UK, Oct. 2020 - Jul. 2023

B.Sc. Hons in Biomedical Sciences (3 years)

- First Class Honours Degree (Best Classification) averaging an A across all modules and thesis
- Awarded Summer Studentship from the Biochemistry Society to develop Python and R skills

RESEARCH EXPERIENCE:

PhD Candidate Mainz, Germany, Aug. 2025 -

Joint ATLAS Programme, BioNTech and TRON - Dr. Matthias Gaida and Dr. Özlem Akilli

- Title: “Decoding the role of neurons in pancreatic ductal adenocarcinoma”
 - 3D microfluidic models
 - Multi-omics
 - Biomarker Development
 - Confocal Imaging

Master’s Thesis Boston, USA, Jan. 2025 - Jun. 2025

Harvard Medical School and Brigham and Women's Hospital - Dr. Oliver Jonas (Jonas Lab)

- Title: “Intratumoral microdevices for drug development and precision cancer medicine”
 - Bio Microdevices (NanoNail)
 - IHC and Imaging
 - Multi-omics
 - First-in-Patient Samples

Research Internship Stockholm, Sweden, Nov. 2024 - Jan. 2025

Karolinska Institutet - Dr. Okan Gultekin (Salehi Group)

- 3D Ovarian Cancer Cultures
- Biomaterials (Organohydrogels)
- Fluorescent Live Cell Imaging
- Functional Assays

SIPGA Scholarship Project Awardee Singapore, Singapore, Jun. 2024 - Aug. 2024

Singapore Immunology Network (SIgN) at A*STAR - Dr. Giulia Adriani (Adriani Lab)

- 3D Pancreatic Cancer Models
- Flow Cytometry
- Fluorescent Live Cell Imaging
- Imaris Software

Research Internship Stockholm, Sweden, Mar. 2024 - Jun. 2024

SciLifeLab - Dr. Tom Erkers (Kallioniemi Group)

- Leukaemia Cell Culture
- SynergyFinder R Package
- Drug Sensitivity and Reagent Testing
- Combinatorial Screening

Bachelor’s Thesis Lancaster, UK, Jan. 2023 - Mar. 2023

Lancaster University - Dr. Richard Mort (Mort Lab)

- PCR, RT-qPCR
- Bioinformatics (DAVID/Reactome)
- Fluorescent Live Cell Imaging
- Fiji ImageJ

AWARDS AND CERTIFICATES:

- **Singapore International Pre-Graduate Award** Jun. 2024 - Aug. 2024
 - Financial scholarship supporting attachment at Agency for Science, Technology, and Research
- **Lancaster Award Gold** Jul. 2022
 - Achieved the highest level for extracurricular excellence while at university
 - Including Work Experience, Campus Activities, Career Workshops, and Volunteering
 - Involved the submission and review of a skills portfolio, LinkedIn profile, and CV
- **Digital Skills Certificate** Apr. 2021
 - Certified experience working in python and data analysis in SPSS and Excel for biostatistics
- **Lancaster Career Mentoring Programme** Oct. 2022 - June 2023
 - Engaged with mentor in weekly sessions to discuss careers and working in the biomedical industry

POSTERS AND CONFERENCES:

- Struyf, N., Gezelius, H., Lundmark, A., Barizza, C., **Ploeger, H.**, Pizarro, L. R., Vesterlund, M., Mermelekas, G., Osterroos, A., Bohlin, A., Bengtzén, S., Levedahl, K. H., Jafari, R., Orre, L. M., Lehtiö, J., Östling, P., Seashore-Ludlow, B., Nordlund, J., Lehmann, S., Kallioniemi, O., Erkers, T. (2024). Resistance to FLT3 Inhibitors in FLT3-Mutated AML Is Associated with CD45RA+CD200- leukemic Cells and Can be Overcome By Combination with SMAC Mimetics. Blood, 144(Supplement 1), 1565. <https://doi.org/10.1182/blood-2024-200093>
- **Presenter at the Lancaster University UG Research Conference** Mar. 2023
 - Created both an online poster and presentation and gave a talk on the research project I performed, presented to over 100 people from 6 different global institutions, with integrated discussion

WORK EXPERIENCE:

- Digital Ambassador Karolinska Institutet** - **Stockholm, Sweden, Sept. 2023 - Dec. 2024**
 - Responsible for content generation and ambassadorial duties on the university account @kistudents
- Ambassador Roles and Writing Mentor LU** - **Lancaster, UK, Jan. 2022 - Jul. 2023**
 - Planning and running Lancaster University Events, appearing in bioscience promotional material

VOLUNTEERING:

- **Marketing and Communications Manager CHaSE 2024** Feb. 2024 - Dec. 2024
 - Manage branding and social media strategy of Stockholm's premier life science career fair CHaSE
- **Two Elected Student Representative Roles in Medical Student Union** Feb. 2024 - Jun. 2024
 - Represent the student voice in education and department functions of MedS at monthly meetings
- **Volunteer with Children and Young People (LUSU)** Mar. 2022 - Jul. 2023
 - Tutoring, mentoring, and leading educational courses for youths from a variety of backgrounds.

RESEARCH AND TECHNICAL SKILLS:

- Functional Precision Cancer Medicine: 2D/3D cell culture, functional assays, drug sensitivity testing, etc.
- Tools/Softwares: Image Analysis in ImageJ and Imaris, Pathway analysis Reactome and DAVID, Biostatistics in R and Python, Analysis in SPSS and Excel, Figure creation in Prism and Affinity
- Fully fluent in Dutch and English, German C1 (full working proficiency), Spanish (B2), Swedish (A2)