Jesko Wagner

PROFILE
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PhD student at University of Edinburgh focused on cancer genomics seeking opportunities to develop new skills while contributing to exciting research. Experience in (single-cell) multiomics, ML and cancer research. Previous projects focused on feature extraction from omics techniques with a stint to discriminative classifier development. Excellent R and advanced Python skills. Project selection: Link.

EXPERIENCE

Aug. 2021 – current	PhD student at **University of Edinburgh**, Human Genetics, Genomics and Disease, MRC. Project TBC, likely on quantification of drug effects on glioblastoma through development of AI pipeline for automated analysis of single-cell microscopy. Rotation project with Colin Semple on revealing translational targets in liver cancer from transcriptomic analysis.
Mar. 2021 – Aug. 2021	Internship at **EMBL Heidelberg**, unit of genome biology. Researching effects of structural variants on epigenome of single cells (R/Python/snakemake). Grade: A+ (9.1). Supervised by Prof. Jan Korbel.
Dec. 2020 – Feb. 2021	Literature internship at **VIB-KU Leuven**, in lab of computational biology. Literature review of TF motif discovery and enrichment, particularly in single-cell applications. Grade: A+ (8.5). Supervised by Dr. Stein Aerts.
Dec. 2019 – Nov. 2020	Internship at **University Medical Center Utrecht**, Center for Molecular Medicine. Research on identification of CDK12 deficient patients based on classification of structural variations using machine-learning (R/Python/snakemake). Grade: A+ (8.6) Supervised by Dr. Jeroen de Ridder.
Feb. 2019 – Sep. 2019	Internship at **SciLifeLab**, Stockholm, in lab for Quantitative Cancer Science and Technology Development. Focus on bioinformatic analysis of double strand breaks (R). Supervised by Dr. Nicola Crosetto.
Sep. 2018 – Jan. 2019	Internship at **Maastricht University Medical Center**, department of Clinical Genetics. Implementation of the scNMT-seq pipeline (scNMT-seq, R/bash). Supervised by Dr. Kasper Derks.

EDUCATION

Sep. 2019 – Aug. 2021	Master of Science *cum laude*, Molecular and Cellular Life Sciences with bioinformatics profile, Utrecht University (GPA: 8.8, A+). Participant of selective **honors programme**.
Sep. 2015 – Sep. 2018	Bachelor of Science *cum laude*, Maastricht Science Programme, Maastricht University (GPA: 8.2, A).

EXTRACURRICULARS

Sep. 2016 – Sep. 2017	President of an academic study association. Responsible for planning academic trips, managing finances, and organizing social events.

REFERENCES

Colin Semple	PI and Professor and University of Edinburgh, colin.semple@ed.ac.uk
Jan Korbel	PI and Professor at EMBL Heidelberg; jan.korbel@embl.de
Nicola Crosetto	PI at SciLifeLab/Karolinska Institutet; nicola.crosetto@scilifelab.se