



Henrik Schinke

Curriculum vitae

Education

- 2017–today **Dr. rer. nat.**, *Ludwig-Maximilians-University (LMU)/ University Hospital, Gires Lab, Munich, Germany.*
Signalling cross-talk in Head and Neck Cancer.
- 2014–2017 **M. Sc.**, *University of Konstanz, Germany, NBE-Therapeutics, Basel, Switzerland, ø: 1.6.*
Biological Sciences with specialization on Cellular and Molecular Biology.
- 2011–2014 **B. Sc.**, *University of Konstanz, Germany.*
Biological Sciences
- 2001–2010 **Abitur**, *Reismann-Gymnasium, Paderborn, Germany.*

Doctorate

- Supervisor Prof. Dr. Olivier Gires (Director of ENT Research and Laboratory Director of Molecular Oncology, LMU/ University Hospital)
- Description My research emphasises on the effects of signalling pathways, related cellular programs, and their clinical outcome. Currently, I am working on a transcriptome analysis using *R*. Further, a predictive model for risk assessment of tumor recurrence implementing machine learning shall be developed.

Master's Thesis

- Supervisors Prof. Dr. Marcus Groettrup (Chair of Immunology, University of Konstanz), Dr. Ulf Grawunder (CEO, NBE-Therapeutics)
- Description I elaborated an enzymatic coupling strategy to manufacture highly homogenous and site-specifically conjugated Antibody-Drug-Conjugates for targeted cancer therapy.

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🌐 henrikschinke.github.io

Work experience

- 05/2017– **Internship**, *NBE-Therapeutics*, Basel, Switzerland.
11/2017 Monoclonal antibody expression, purification and quality control.
- 11/2015– **Internship**, *Prof. Dr. Dr. Stefan Barth, IDM, Faculty of Health Sciences, University of Cape Town (UCT)*, South Africa.
03/2016 Simulation of V(D)J-recombination using *Python* in co-operation with an RD engineer from HTWG Aachen, Germany.
- 09/2014– **Research Assistant**, *AG Thum, University of Konstanz*, Germany.
12/2014 Establishing experimental procedures for a laser microscope.

Languages

German Native
English Fluent (C2)

Computer skills

Advanced R, RMarkdown, Adobe Illustrator
Basic Python, Git, LaTeX, FIJI, MS Office

Stay Abroad

- 2015–2016 **Cape Town, South Africa**, *Internship during Master studies*.
2010–2011 **New Zealand and Fiji Islands**, *Backpacking, Work and Travel*.

Achievements and Certifications

- 2020 **High-Dimensional Data Analysis**, *R course*, HarvardX by Harvard University.
2015 **PROMOS scholarship**, DAAD, Support for internship at IDM in Cape Town.

Interests

Skate- and Snowboarding, Diving, Photography

References

Prof. Dr. Olivier Gires olivier.gires@med.uni-muenchen.de
Prof. Dr. med. Philipp Baumeister philipp.baumeister@med.uni-muenchen.de
Dr. Roger Beerli, CSO, NBE-Therapeutics, roger.beerli@nbe-therapeutics.com

Publications

- [1] Schinke, H. et *al.*, Digital scoring of EpCAM and Slug expression as prognostic markers in head and neck squamous cell carcinomas. *Under review: Molecular Oncology*, **2020**
- [2] Pan, M. and Schinke, H. et *al.*, EpCAM ectodomain EpEX is a ligand of EGFR that counteracts EGF-mediated epithelial-mesenchymal transition through modulation of phospho-ERK1/2 in head and neck cancers. *PLoS Biology*, **2018**

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