



# 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,  $\phi$ : 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 in patients 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 ADCs. The enzymes were so-called split-inteins which neither require an external energy source nor co-factors.

*Klingerstr. 31 – 81369 Munich – Germany*

☎ +49 157 875 00 175 • ✉ [schinkehenrik@gmail.com](mailto:schinkehenrik@gmail.com)  
🌐 [henrikschinke.github.io](https://henrikschinke.github.io) • \* June 01, 1991 in Germany

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## Work experience

- 05/2017– **Internship**, *NBE-Therapeutics*, Basel, Switzerland.  
11/2017 Molecular cloning, antibody expression, mammalian cell culture, ELISA, Flow cytometry, Western blot, FPLC.
- 11/2015– **Internship**, *Prof. Dr. Dr. Stefan Barth, Institute of Infectious Disease and Molecular Medicine (IDM), Faculty of Health Sciences, University of Cape Town (UCT)*, South Africa.  
03/2016 Initiating a simulation of V(D)J-recombination using *Python* in co-operation with an RD engineer from HTWG Aachen, Germany.
- 09/2014– **Research Assistant**, *Dr. Andreas Thum, AG Thum, University of Konstanz*, Germany.  
12/2014 Establishing experimental procedures including a laser microscope for the AG Thum.

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## Languages

German Native  
English Fluent (C2)

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## Computer skills

Advanced R, Adobe Illustrator, MS Office  
Basic FIJI, LaTeX, GraphPad Prism, Python, Ape, Geneious

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## Stay Abroad

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

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## Achievements and Certifications

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

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## Interests

Skate- and Snowboarding, Diving, Photography

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## References

Prof. Dr. Olivier Gires, LMU, Munich [olivier.gires@med.uni-muenchen.de](mailto:olivier.gires@med.uni-muenchen.de)  
Dr. Roger Beerli, CSO, NBE-Therapeutics, [roger.beerli@nbe-therapeutics.com](mailto:roger.beerli@nbe-therapeutics.com)

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## Publications

- [1] 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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