NIKLAS RINDTORFF

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Vienna, Austria

EDUCATION

Harvard Medical School Sep 2018 – Oct 2019
M.Sc. Biomedical Informatics (4.0 GPA) Cambridge, MA
Supervisor: Jesse Boehm
Fulbright Scholarship

Heidelberg University Sep 2013 – Jun 2021
M.D. (summa cum laude) Heidelberg, Germany
Supervisor: Michael Boutros
German Academic Scholarship Foundation, Heinrich F.C. Behr Foundation

Lise Meitner Gymnasium Class of 2013
Abitur with Honors (1,0) Böblingen, Germany
Chemistry Olympics: National Round

PROFESSIONAL

AITHYRA Institute Nov 2025 – Present
PhD Candidate Vienna, Austria
Developing Generative Models to solve open Problems in Molecular Simulations.

Convexity Labs Jan 2022 – Oct 2025
Founder Berlin, Germany
Multiple pivots, including a peer-to-peer container inference platform (plex), and custom affinity reagent design for R&D based on RFDiffusion, and Bindcraft (convexity.bio). Raised 3.6M USD from Village Global as lead investor.

University Clinic Heidelberg Mar 2020 – Mar 2021
Internship year Heidelberg, Germany
Clinical rotation in Oncology, General Surgery, and Clinical Pharmacology

Broad Institute of MIT and Harvard Aug 2018 – Oct 2019
Master Student Cambridge, MA
Developed a microscopy-based drug sensitivity assay for primary cancer cells from ascites fluid from cell culture hood to container orchestration.

German Cancer Research Center (DKFZ) Sep 2015 – Jul 2018
MD Candidate Heidelberg, Germany
Developed a microscopy-based drug sensitivity assay for patient-derived and genetically engineered colorectal cancer organoids.

SKILLS

- **Programming:** Python, Docker, Ray, AWS, GCP & Postgres
- **Laboratory:** Liquid Handling Robotics, High Throughput Microscopy, Tissue Culture, Molecular Cloning
- **Languages:** German (native), English (fluent)

PUBLICATIONS

The drug-induced phenotypic landscape of colorectal cancer organoids 2022
Johannes Betge*, Niklas Rindtorff*, Jan Sauer*, Benedikt Rauscher*, et al.
Nature Communications

A Biologically Plausible Benchmark for Contextual Bandit Algorithms in Precision Oncology Using in vitro Data 2019
Niklas Rindtorff, MingYu Lu, Nisarg Patel, Huahua Zheng, Alexander D'Amour
Neurips 2019 Healthcare Workshop, Arxiv

CRISPR/Cas9 for cancer research and therapy 2019
Tianzuo Zhan*, Niklas Rindtorff*, Johannes Betge, Matthias P. Ebert, Michael Boutros
Seminars in Cancer Biology

Wnt signaling in cancer 2017
Tianzuo Zhan*, Niklas Rindtorff*, Michael Boutros
Oncogene

*shared first authorship