Tabea C. Mittmann

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Date of birth: 13 October 2001

Updated May 14, 2026

Education

Westfälische Wilhelms-Universität Münster — Apr 2019 – May 2027
Doctor of Medicine (MD), State Exam in Medicine — *Münster, Germany*

- First State Exam (M1, 2021): grade **1** — within the top 1% of students.
- Second State Exam (M2, 2025): grade **1** — within the top 1% of students.
- USMLE Step 1: **Pass** (2024). USMLE Step 2 CK: **273**.
- Currently completing the final clinical year (Praktisches Jahr) and additional research training in *Experimental Medicine*.

Research Experience

University of California, San Francisco — Apr 2022 – Sep 2023
Visiting Student Researcher — Goodarzi Lab — *San Francisco, CA, USA*

Advisor: Hani Goodarzi — topic: RNA-binding proteins in breast cancer metastasis

- Studied RNA-binding proteins (RBPs) and their role in breast cancer progression and metastasis.
- Designed and executed multiple CRISPRi-based functional screens to investigate RBP function in cancer biology.
- Applied molecular biology techniques: cell culture, molecular cloning, PCR, single-cell RNA-seq, and RNA-seq library preparation.
- Contributed to translational cancer research at the intersection of RNA biology and disease mechanisms.
- Funded by the Boehringer Ingelheim Fonds MD fellowship.

Publications

Author names in bold (**T. C. Mittmann**) are mine. † denotes co-first authorship.

Karner H.†, **Mittmann T. C.**†, Chen V. W., Borah A. A., Langen A., Yousefi H., Fish L., Zaro B. W., Navickas A., Goodarzi H. (†co-first authors). **Integrative analysis of mRNA stability regulation uncovers a metastasis-suppressive program in breast cancer**. *Science Advances* (2026). doi:10.1126/sciadv.aea9061

Khoroshkin M., Zinkevich A., Aristova E., Yousefi H., Lee S. B., **Mittmann T.**, Manegold K., Penzar D., Raleigh D. R., Kulakovskiy I. V., Goodarzi H. **A generative framework for enhanced cell-type specificity in rationally designed mRNAs**. *bioRxiv (preprint)* (2024). doi:10.1101/2024.12.31.630783

Fellowships & Honors

Studienstiftung des Deutschen Volkes — Fellowship of the German National Academic Foundation, three-year award — 2023 – 2026

Boehringer Ingelheim Fonds MD Fellowship — 17-month research fellowship at the Goodarzi Lab, UCSF — 2022 – 2023

Second State Exam in Medicine, grade 1 (top 1%) — Westfälische Wilhelms-Universität Münster — 2025

First State Exam in Medicine, grade 1 (top 1%) — Westfälische Wilhelms-Universität Münster — 2021

Teaching

All positions at the University of Münster, Germany.

Biochemistry Laboratory Course Tutor *2021*

Anatomy and Imaging Course Tutor *2020, 2022*

MeDocs — IT Support for Lecturers (online teaching during COVID-19) *2020 – 2021*

Methods & Skills

Wet lab: mammalian cell culture, molecular cloning, PCR, CRISPRi functional screens, lentiviral vector handling, single-cell RNA-seq, RNA-seq library preparation.

Topics: cancer biology, molecular biology, translational research, RNA-binding proteins, breast cancer metastasis, mRNA stability.

Clinical training: full preclinical and clinical curriculum, University of Münster MD program; final-year clinical rotations (Praktisches Jahr); USMLE Step 1 and Step 2 CK passed.

Languages: German (native), English (fluent — TOEFL 115), French (fluent — DELF B2).