

# TABEA C. MITTMANN

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Date of birth: 13 October 2001

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## EDUCATION

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### University of 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: score **273** (2026).
- Currently completing the final clinical year and additional research training in *Experimental Medicine*.

## RESEARCH EXPERIENCE

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### University of California, San Francisco

Apr 2022 – Sep 2023

*Visiting Student Researcher in Dr. Hani Goodarzi's Lab*

*San Francisco, CA, USA*

- Studied the RNA-binding protein (RBP) RBMS3 and its mechanism in breast cancer progression and metastasis.
- Designed and executed multiple CRISPRi-based functional screens to investigate RBP and miRNA function in cancer.
- Applied molecular biology techniques: cell culture, CRISPRi-mediated knockdown, molecular cloning, PCR and RT-qPCR, SLAM-seq, single-cell RNA-seq, and library preparation.
- Funded by the Boehringer Ingelheim Fonds MD fellowship with 35,000 €.

## PUBLICATIONS

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Karner H.<sup>†</sup>, **Mittmann T. C.<sup>†</sup>**, Chen V. W., Borah A. A., Langen A., Yousefi H., Fish L., Zaro B. W., Navickas A., Goodarzi H. (<sup>†</sup>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

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**Studienstiftung des Deutschen Volkes** — Fellowship of the German National Academic Foundation 2023 – 2026

**Boehringer Ingelheim Fonds MD Fellowship** — Research fellowship at the Goodarzi Lab, UCSF 2022 – 2023

## TEACHING

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*All positions at the University of Münster.*

**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

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**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).