Fynn Withake
fynnwi.github.io

Education

- **Biomedical Engineering and Medical Physics M.Sc.**
  Technical University of Munich — *Oct 2020 - Sep 2023*
- **Bioinformatics B.Sc.**
  Ludwig Maximilian University of Munich — *Oct 2019 - present*
- **Engineering Science B.Sc.**
  Technical University of Munich — *Oct 2016 - Mar 2021*

Work Experience

- **Working Student: Wet Lab Microfluidics**
  Technical University of Munich, Physics of Synthetic Biological Systems — *Jun 2022 - Jan 2023*
- **Working Student: Bioinformatics Data Analysis**
  University Hospital rechts der Isar, Department of Neuroradiology — *Apr 2021 - Apr 2022*
- **Teaching Assistant for Engineering Informatics**
  Technical University of Munich — *Oct 2019 - Mar 2020*, *Oct 2017 - Mar 2018*
- **Voluntary Service in Bucharest, Romania**
  kulturweit, German Commission for UNESCO — *Sep 2015 - Aug 2016*

Skills

Languages: German, English, Portuguese, Spanish

Programming languages: R, Python, C, Java, LaTeX

Software: Autodesk AutoCAD, Inventor & Fusion360, COMSOL Multiphysics, MATLAB, Linux, Git, ImageJ, Vim

Wet lab: fluorescence microscopy, manufacturing of PDMS-based microfluidic devices, clean room, spin coating, photolithography, droplet microfluidics

Publications

- J. Gempt, **F. Withake**, A.K. Aftahy, H.S. Meyer, M. Barz, C. Delbridge, F. Liesche-Starnecker, G. Prokop, N. Pfarr, J. Schlegel, B. Meyer, C. Zimmer, B.H. Menze, and B. Wiestler 2022. "Methylation subgroup and molecular heterogeneity is a hallmark of glioblastoma: implications for biopsy targeting, classification and therapy." *ESMO Open*.
- G. Prokop, B. Wiestler, D. Hieber, **F. Withake**, K. Mayer, J. Gempt, C. Delbridge et al. 2023. “Multiscale Quantification of Morphological Heterogeneity with Creation of a Predictor of Longer Survival in Glioblastoma.” *International Journal of Cancer*.

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