



Eugen Ursu, M.D.

MEDICAL EXPERIENCE

[11/2024 – present]

Resident Physician, Neurosurgery Department

Rechts der Isar Hospital of Technical University of Münich, Münich, Bavaria, Germany

[07/2023 – 09/2024]

Resident in Surgery, Emergency Department

Visp Hospital, Valais, Switzerland

[05/2023 – 08/2024]

Resident Physician, Neurology Department

Cantonal Hospital of Aargau, Aargau, Switzerland

- Service in a A-rated swiss clinic for neurology and stroke center (equivalent to an US Level 1 stroke center).
- Multiple rotations: neuro-emergency service, stroke center intermediate care, general neurology.

EDUCATION

[11/2020 – Current]

PhD, Bioinformatics

Institute of Biochemistry, Bucharest, Romania

Greiff Lab, University of Oslo

- *ML robustness in predicting antibody-antigen interactions* – implications to the automated design of monoclonal antibodies and vaccines.
- ANS-ND – built software for an automatic screening system for neurodegenerative disorders in *C. elegans* worms model

[2014 – 2020]

Medical Degree (BSc and MSc) [GPA 9.46 / 10]

Titu Maiorescu University, Bucharest, Romania

- Graduated with honors: **summa cum laude**

RESEARCH EXPERIENCE

[09/2020 – Current]

Co-founder, Senior Scientist

CellFabrik, Bucharest, Romania

- Management: fundraising, lab setup, budgeting, planning, collaborations, business operations.
- Research: development of custom wet-lab protocols, NGS, automation.

[04/2019 – 08/2021]

Researcher (Bioinformatics)

Systems Biology of Aging Group, Bucharest, Romania

- Gerontomics (2M EUR) – AI-based gerontological interventions with multiomics.
- High-dimensional species' and organs' gene expression data → AI → mammalian longevity.
- Novel statistical methodology (scDiffCom) for the intercellular communication (scRNA-Seq).

WETLAB SKILLS

- Cell culture, including primaries
- CRISPR-Cas9, NGS, Electroporation, AAVs, miRNAs, ELISA and ELISPOT.

TECHNICAL SKILLS

- Python, R, Javascript
- Linux, Git, Docker, Databases
- Data science and ML stack
- Web scraping (Scrapy, Selenium)
- Web and APIs (Flask, Django)
- >90 online courses

LANGUAGE SKILLS (B2-C2)

- Romanian (native), English, German, Russian