

Sadaf Keshavarz MSc.

CONTACT

Phone	+43 676 9512620	LinkedIN	www.linkedin.com/in/sadaf-keshavarz-179919233
E-Mail	sadafkeshavarz@gmail.com		

EDUCATION

BSc: Biomedical Engineering – passed with merit

specialization: Cell and Tissue Engineering

University of Applied Sciences Technikum Wien

Bachelor Thesis (Center for Cancer Research, MedUni Vienna): Investigating the role of class 1 histone deacetylases on dendritic cell function

09/2020 – 06/2023

MSc: Tissue Engineering and Regenerative Medicine - passed with distinction

University of Applied Sciences Technikum Wien

Master Thesis (Harvard Medical School): Identifying mechanisms by which IL-27 promotes T cell responses to cancer

09/2023 – 11/2025

PhD: Malignant Diseases Program - Current

Center for Physiology and Pharmacology - Medical University Vienna

Dissertation: Dynamics of Immune Evasion in Epidermal Growth Factor Receptor - Driven Lung Cancer

(Supervisor: Univ. Professor. Dr. Emilio Casanova)

01/2026 - current

EXPERIENCE

PHD STUDENT

Center for Physiology and Pharmacology - Medical University of Vienna 01/2026 - current

- Investigating immune evasion in EGFR-driven lung adenocarcinoma using genetically engineered mouse models.
- Characterizing stage-dependent changes in T cell infiltration, regulatory T cells and tumor-associated macrophages.

GRADUATE RESEARCH INTERN

Harvard Medical School - Immunology Department - Sharpe/Chime Lab 01/2025 - 10/2025

- Investigated mechanisms by which IL-27 promotes T cell responses to cancer.
- Broaden my experience in cancer immunology, T cell biology and cytokine-mediated regulation of anti-tumor immunity.

BIOCHEMICAL ANALYST

ARCHIMED Life Sciences – Medical Laboratory – Immunology Department 10/2023 – 01/2025

- Developing ELISA protocols for testing Fabry disease sensitivity on drugs
- Working closely with doctors and pharmaceutical companies about patients data

STUDENT ASSISTANT

Biophysics Institute - University of Veterinary Medicine Vienna – Dr. Elena Pohl Research Group 07/2023 – 09/2023

- Assisting PostDocs and PhD students with cell culture maintenance, western blots, and mice handling

RESEARCH TRAINEE

Cancer Research Center - Medical University of Vienna - Dr. Maria Sibilio Research Group 02/2023 – 05/2023

- Investigating the role of class 1 histone deacetylases on dendritic cell function
- Started gaining experience in cancer immunology

EXPERTISE

LABORATORY:

MOUSE / RAT HANDLING - FELASA CERTIFIED

Scruffing, Weening, Ear Tag, Toe Clipping, Injections (subcutaneous, intraperitoneal, intravenous), IV injections, Intranasal Inhalation, Blood collection, Sacrifice, Organ isolation/disection

WET-LAB EXPERIMENTS

Cell Culture Techniques and maintenance, PCR genotyping, qPCR, Western Blot, DNA/RNA isolation, Diverse transformation and transfection techniques, Plasmid, Flow cytometry, Immunofluorescence and Immunohistochemistry imaging, Multiplex Immunohistochemistry imaging, CRISPR/Cas9 transfection/Nucleofection, Nanopore Sequencing, scRNA sequencing + analysis, ELISA

ADDITIONAL COMPUTATIONAL SKILLS:

Microsoft Office, GraphPad Prism, BioRender, FlowJo, R Studio, Python, Matlab (beginner), JAVA (beginner)

SCIENTIFIC ENGAGEMENT

- **Literature Seminars:** Participation and Presentation at Harvard Medical School and Medical University of Vienna
- **Thesis Seminars:** Participation and Presentations at Harvard Medical School and Medical University of Vienna
- **Poster Presentations:** at Retreats at University of Applied Sciences Technikum Wien, Harvard Medical School and Medical University of Vienna
- **Participation at Cancer and Immunology related Symposiums:** St.Anna Symposium 2026, Shield Symposium 2026, YSA Symposium 2026
- **Participation at the EMBO Practical Course** in "Pipetting scRNA-seq data into computational cells" from 18th – 23rd of May 2026 in Oeiras/Lisbon, Portugal - I was 1/20 people that got selected from over 120 applicants
- **European Association for Cancer Research (EACR) and American Association for Cancer Research (AACR) Member**

CERTIFICATES AND AWARDS

- Certificate of participation at EMBO Practical Course "Pipetting scRNA-seq data into computational cells" from 18 – 23 May 2026 in Oeiras/Lisbon, Portugal
- Certificate from February 9th to 18th 2026 to Sadaf Keshavarz for regularly and successfully attending the course "Introduction into Laboratory Animal Science - EU Function A: Persons carrying out procedures on animals"
- POSTER PRIZE for an outstanding poster presentation at the Cell & Tissue Engineering Poster Party on 13th of June 2024 at University of Applied Sciences Technikum Wien
- 2nd place POSTER PRIZE for an outstanding poster presentation at the Cell & Tissue Engineering Poster Party on 7th of June 2023 at University of Applied Sciences Technikum Wien

LANGUAGES

English - Fluent German - Fluent Farsi - Fluent Spanish - A1 Portuguese - A1