



# Amirreza Mahbod

---

*Assistant Professor at Danube Private University  
& Part-time Lecturer at Medical University of Vienna*

---

## Personal Information

**Current Location:** Vienna, Austria

**Citizenship:** Austria & Iran

**Primary Email:** [amirreza.mahbod@dp-uni.ac.at](mailto:amirreza.mahbod@dp-uni.ac.at)

**Secondary Email:** [amirreza.mahbod@gmail.com](mailto:amirreza.mahbod@gmail.com)

**Profile:** [www.linkedin.com/in/amirreza-mahbod](http://www.linkedin.com/in/amirreza-mahbod)

---

## Education

- Nov 2016 – Jan 2020 **PhD in Medical Informatics, Biostatistics and Complex Systems**  
[Medical University of Vienna \(Vienna, Austria\) & TissueGnostics GmbH \(Vienna, Austria\)](#)  
GPA: 1.18 in scale of 1 (excellent) to 5 (insufficient)  
Thesis title: *Towards Improvement of Automated Segmentation and Classification of Tissues and Nuclei in Microscopic Images Using Deep Learning Approaches* ([Link](#))  
Supervisors: Prof. Isabella Ellinger (Medical University of Vienna), Prof. Rupert Ecker (TissueGnostics GmbH)  
Funded by the Marie Skłodowska-Curie Actions, Project no. 675228 ([Link](#))
- Oct 2017 - Jun 2018 **Visiting Researcher at Department of Biomedical Engineering and Health Systems**  
[KTH Royal Institute of Technology \(Stockholm, Sweden\)](#)  
Research area: *Developing Algorithms for Histological Image Segmentation and Classification Based on Deep Neural Networks*  
Supervisors: Dr. Chunliang Wang, Prof. Örjan Smedby
- Sep 2014 - Sep 2016 **M.Sc. in Medical Engineering**  
[KTH Royal Institute of Technology \(Stockholm, Sweden\)](#)  
Master Thesis title: *Structural Brain MRI Segmentation Using Machine Learning Technique*  
Supervisors: Dr. Chunliang Wang
- Sep 2009 – Mar 2012 **M.Sc. in Electrical Engineering – Bioelectric**  
[Iran University of Science and Technology \(Tehran, Iran\)](#)  
Master Thesis title: *Determining Quality of Fruits by Ultrasonic Waves*  
Supervisors: Prof. Hamid Behnam

Sep 2004 – Sep 2009 **B.Sc. in Electrical Engineering – Control**  
[Iran University of Science and Technology \(Tehran, Iran\)](#)  
Master Thesis title: *Design & Implementation of the Automatic Regulatory System of Car's Headlighte*  
Supervisors: Prof. Jahed Motlaghg

---

## Interests

- Deep Learning & Machine Learning
- Computer Vision
- Medical Image Analysis

---

## Work Experiences

- Sep 2023 - Present **Assistant Professor at Danube Private University, Austria**  
Deep learning/machine learning methods for medical Image analysis  
**Technical Environment:** Deep learning frameworks and computer vision tools
- Sep 2022 - Present **Lecturer (part-time) at Medical University of Vienna, Austria**  
Institute for Pathophysiology and Allergy Research (part-time)  
**Courses:** [Creative and Critical Journal Club](#), [Diplomand Innen Seminar](#)
- Aug 2022 – Aug 2023 **AI Researcher at Danube Private University, Austria**  
Deep learning/machine learning methods for medical Image analysis such as segmentation, classification, and detection  
**Technical Environment:** Python, Keras, Tensorflow, PyTorch, Monai, OpenCV, SciPy, Scikit-learn, Pandas, Matplotlib, NumPy, PyCharm, Matlab, Git, Docker, Ubuntu,  $\LaTeX$
- Apr 2020 – Jul 2022 **Post-doctoral fellow at Medical University of Vienna, Austria**  
Deep learning/machine learning methods for computer vision tasks such as segmentation, classification, and detection  
**Technical Environment:** Python, Keras, Tensorflow, PyTorch, OpenCV, SciPy, Scikit-learn, Pandas, Matplotlib, NumPy, PyCharm, Matlab, Git, Docker, Ubuntu,  $\LaTeX$
- Nov 2016 – Mar 2020 **Research scientist at TissueGnostics GmbH, Austria**  
Deep learning/machine learning methods for computer vision tasks such as segmentation, classification, and detection  
**Technical Environment:** Python, Keras, Tensorflow, PyTorch, OpenCV, SciPy, Scikit-learn, Pandas, Matplotlib, NumPy, PyCharm, Matlab, MatConvNet, Git, Ubuntu,  $\LaTeX$
- Aug 2012 – Feb 2013 **Biomedical engineer at A&D (Andishe & Darman), Iran**  
Installing and repairing EEG & EMG equipments and analyzing data  
**Technical Environment:** Nihon Kohden software, Matlab
- May 2008 - Dec 2008 **Research engineer at RA Tech, Iran**  
Designing blackout system for elevators  
**Technical Environment:** Simulation, Matlab, LabView, PSpice
- Jun 2007 - Sep 2007 **Internship at Bonyan Sanat Hamrah, Iran**  
Siemens PLC programming and automation  
**Technical Environment:** PLC S7, Matlab, STL
- Jan 2006 - Aug 2006 **Research engineer at Iran University of Science & Technology, Iran**  
Design & implementation of a line follower robot  
**Technical Environment:** Matlab, Basic, AVR Microcontroller, Bascom

---

## Computer Skills

### Computer Programming languages

- Python, C

### Related software/tools

- Matlab, PyCharm, L<sup>A</sup>T<sub>E</sub>X, Git, Docker

### Deep Learning Frameworks

- Keras, TensorFlow, PyTorch, MONAI, MatConvNet

### Operating Systems

- Windows and Linux (Ubuntu)

---

## Publications ([Google Scholar link](#), 2000+ citations, h-index:16)

### Journal Papers:

- **Mahbod A**, Polak C, Feldmann K, Khan R, Gelles K, Dorffner G, Woitek R, Hatamikia S, Ellinger I, *NuInsSeg: A Fully Annotated Dataset for Nuclei Instance Segmentation in H&E-Stained Histological Images*, Nature Scientific Data, March 2024 ([Link](#))
- **Mahbod A**, Wang C, Ellinger I, Galdran A, Gopalakrishnan S, Niezgodka J, Yu Z, *FUSeg: The Foot Ulcer Segmentation Challenge*, Information, March 2024 ([Link](#))
- **Mahbod A**, Dorffner G, Ellinger I, Woitek R, Hatamikia S, *Improving Generalization Capability of Deep Learning-Based Nuclei Instance Segmentation by Non-deterministic Train Time and Deterministic Test Time Stain Normalization*, Computational and Structural Biotechnology Journal, January 2024 ([Link](#))
- Hatamikia S, George G, Schwarzahans F, **Mahbod A**, Woitek R, *Breast MRI radiomics and machine learning radiomics-based predictions of response to neoadjuvant chemotherapy—how are they affected by variations in tumour delineation?*, Computational and Structural Biotechnology, January 2024 ([Link](#))
- **Mahbod A**, Schaefer G, Dorffner G, Ecker R, Ellinger I, *A Dual Decoder U-Net-Based Model for Nuclei Instance Segmentation in Hematoxylin and Eosin-Stained Histological Images*, Frontiers in Medicine, November 2022 ([Link](#))
- Verma R, . . . , **Mahbod A**, . . . , Sethi A, *MoNuSAC2020: A Multi-organ Nuclei Segmentation and Classification Challenge*, IEEE Transactions on Medical Imaging, June 2021 ([Link](#))
- **Mahbod A**, Schaefer G, Löw C, Dorffner G, Ecker R, Ellinger I, *Investigating the impact of bit depth of fluorescence-stained images on the performance of deep learning-based nuclei instance segmentation*, Diagnostics, May 2021 ([Link](#))
- **Mahbod A**, Schaefer G, Bancher B, Löw C, Dorffner G, Ecker R, Ellinger I, *CryoNuSeg: A Dataset for Nuclei Instance Segmentation of Cryosectioned H&E-Stained Histological Images*, Computers in Biology and Medicine, March 2021 ([Link](#))

- **Mahbod A**, Tschandl P, Langs G, Ecker R, Ellinger I, *The Effects of Skin Lesion Segmentation on the Performance of Dermoscopic Image Classification*, Computer Methods and Programs in Biomedicine, August 2020 ([Link](#))
- **Mahbod A**, Schaefer G, Wang C, Ecker R, Dorffner G, Ellinger I, *Transfer Learning Using a Multi-Scale and Multi-Network Ensemble for Skin Lesion Classification*, Computer Methods and Programs in Biomedicine, March 2020 ([Link](#))
- Kumar N, . . . , **Mahbod A**, . . . , Sethi A, *A Multi-Organ Nucleus Segmentation Challenge*, IEEE Transactions on Medical Imaging, October 2019 ([Link](#))
- **Mahbod A**, Schaefer G, Ellinger I, Ecker R, Pitiot A, Wang C, *Fusing Fine-tuned Deep Features for Skin Lesion Classification*, Computerized Medical Imaging and Graphics, January 2019 ([Link](#))
- Commowick O, . . . , **Mahbod A**, . . . , Barillot C, *Objective Evaluation of Multiple Sclerosis Lesion Segmentation using a Data Management and Processing Infrastructure*, Nature Scientific Reports, September 2018 ([Link](#))
- **Mahbod A**, Chowdhury M, Smedby Ö, Wang C, *Automatic brain segmentation using artificial neural networks with shape context*, Pattern Recognition Letters. January 2018 ([Link](#))

#### Peer-reviewed Conference Papers:

- **Mahbod A**, Entezari R, Saukh O, Ellinger I, *Deep Neural Network Pruning for Nuclei Instance Segmentation in Hematoxylin & Eosin-Stained Histological Images*, MICCAI workshop on Applications of Medical Artificial Intelligence, September 2022 ([Link](#))
- **Mahbod A**, Ecker R, Ellinger I, *Automatic Foot Ulcer Segmentation Using an Ensemble of Convolutional Neural Networks*, International Conference on Pattern Recognition (ICPR), August 2022 ([Link](#))
- Bancher B, **Mahbod A**, Ellinger I, Ecker R, Dorffner G, *Improving Mask R-CNN for Nuclei Instance Segmentation in Hematoxylin & Eosin-Stained Histological Images*, MICCAI workshop on Computational Pathology, September 2021 ([Link](#))
- **Mahbod A**, Schaefer G, Wang C, Ecker R, Dorffner G and Ellinger I, *Investigating and Exploiting Image Resolution for Transfer Learning-based Skin Lesion Classification*, IEEE International Conference on Pattern Recognition (ICPR). March 2021 ([Link](#))
- **Mahbod A**, Schaefer G, Ecker R, Ellinger I, *Pollen Grain Microscopic Image Classification Using an Ensemble of Fine-Tuned Deep Convolutional Neural Networks*, ICPR workshop on Artificial Intelligence for Healthcare Applications. March 2021 ([Link](#))
- **Mahbod A**, Schaefer G, Wang C, Ecker R, and Ellinger I, *Skin Lesion Classification Using Hybrid Deep Neural Networks*, IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP). May 2019 ([Link](#))
- **Mahbod A**, G Schaefer, Ellinger I, Ecker R, Smedby Ö, Wang C, *A Two-Stage U-Net Algorithm for Segmentation of Nuclei in H&E-Stained Tissues*, European Congress on Digital Pathology (ECDP). January 2019 ([Link](#))

- **Mahbod A**, Ellinger I, Ecker R, Smedby Ö, Wang C, *Breast Cancer Histological Image Classification Using Fine-Tuned Deep Network Fusion*, International Conference Image Analysis and Recognition (ICIAR). June 2018 ([Link](#))
- **Mahbod A**, Wang C, Smedby Ö, *Automatic Multiple Sclerosis Lesion Segmentation Using Hybrid Artificial Neural Networks*, MSSEG Challenge Proceedings at MICCAI Conference. October 2016 ([Link](#))

#### Preprints:

- Handa P, Dhir M, **Mahbod A**, Schwarzahns F, Woitek R, Goel N, Gunjan D, *WCEbleedGen: A wireless capsule endoscopy dataset and its benchmarking for automatic bleeding classification, detection, and segmentation*, Aug 2024 ([Preprint Link](#))
- Handa P, **Mahbod A**, Schwarzahns F, Woitek R, Goel N, Chhabra D, Jha S, Dhir M, Gunjan D, Kakarla J, Raman B, *Capsule Vision 2024 Challenge: Multi-Class Abnormality Classification for Video Capsule Endoscopy*, Aug 2024 ([Preprint Link](#))
- Saeidi N, Karshenas H, Shoushtarian B, Hatamikia S, Woitek R, **Mahbod A**, *Breast Histopathology Image Retrieval by Attention-based Adversarially Regularized Variational Graph Autoencoder with Clustering-guided Contrastive Learning Feature Extractor*, June 2024 ([Preprint Link](#))

---

## Grants

- 2024 – 2026 WWTF grant (No. LS23-006), “LymphoidStructureMiner: AI-based exploration of the immunological contexture of lymphoid structures in translational research”, Role: Co-Principal Investigator, **Amount: €480,000**
- 2022 – 2025 Bridge FFG grant (No. 895420), “Development of a deep learning-based decision support system for classification of oral dysplasia grades”, Role: Project Collaborator, **Amount: €360,000**
- 2024 – 2025 Ernst Mach Grant from OeAD (No. MPC-2024-01396), “Histopathological Image Classification by Nuclei-based Graph Convolutional Network”, Role: Supervisor, 9-month scholarship
- 2023 – 2024 Ernst Mach Grant from OeAD (No. MPC-2023-00569), “Image retrieval and classification in radiological images using graph neural networks”, Role: Supervisor, 9-month scholarship
- 2020– 2022 Bridge Young Scientists FFG grant (No. 872636), “Deep learning for improved nuclei segmentation and knowledge transfer methods in microscopic images”, Role: Postdoc Fellow, **Amount: €227,000**

---

## Honors & Awards & Mini Grants

- **Travel Grant** to participate in the ICML conference, MDPI, Basel, June 2024
- **Ranked 1st** in the MICCAI 2021 Foot Ulcer Segmentation Challenge, August 2021
- **FFG Talente**: Praktika für Schülerinnen und Schüler (student internship grant), Role: Supervisor, 2021
- **Ranked 1st** in the MoNuSAC post-challenge and Ranked 2nd considering all phases for multi-organ nuclei segmentation and classification in H&E-stained histological images, June 2020
- **FFG Talente**: Praktika für Schülerinnen und Schüler (student internship grant), Role: Supervisor, 2020

- **Ranked 2nd** in the ISIC 2018 challenge online leaderboard (Task3: Lesion diagnosis) for dermoscopic skin lesion classification, January 2020 (Accessed on 2020-05)
- **Awarded Grant** from the Kaggle Open Data Research, January 2020
- **Ranked among top 5** for the Austrian Science2Business Award for the project entitled "Development of deep learning-based algorithms for automated histological image classification, detection and segmentation for digital pathology and medical research" (I. Ellinger, A. Mahbod, Rupert Ecker, and G. Dorffner), September 2019
- **Postgrad Congress Scholarship (Travel Grant)**, Medical University of Vienna, April 2019
- **Ranked 14th** in Kaggle data science competition in identifying metastatic tissue in histopathologic scans of lymph node sections among 1,157 teams, March 2019
- **NVIDIA GPU Grant**, granted a Titan V GPU to support our research at Medical University of Vienna, January 2019
- **Ranked 10th** in the MICCAI 2018 Multi-Organ Nuclei Segmentation Challenge (MoNuSeg) among 37 teams, August 2018
- **Postgrad Congress Scholarship (Travel Grant)**, Medical University of Vienna, March 2018
- **Marie Sklodowska-Curie Scholarship holder** as an Early Stage Researcher (ESR) in the CaSR Biomedicine Project (Horizon 2020), 2016 to 2019
- **Ranked 6th** (total) and **Ranked 2nd** (brain segmentation) in the open MICCAI Grand Challenge on MR Brain Image Segmentation (MRBrainS13), June 2016 (Assessed on 2016-06)
- **Holder of Tuition Fee Waiver Scholarship** for Master Program in Medical Engineering at KTH Royal Institute of Technology (cover 290.000SEK tuition fee for the master's degree), 2014 to 2016
- **Ranked 3rd** (on the basis of total GPA) among M.Sc. students of biomedical engineering (Iran University of Science and Technology), 2012
- **Honored & selected patent** of Iran's National Elites Foundation (INEF) Fair for Designing Round Fruits Automatic Categorizing Machine, South Khorasan, Iran, November 2011
- **Ranked 563rd** among more than 500,000 Mathematics and Physics participants in national university entrance exam, 2004

---

## Patents

- **Mahbod A** and Behnam H, "Design & Implementation of device to determine the quality of fruits by ultrasonic waves", January 2012, Patent Certificate Number 73346 (Registered on State Deeds & Real Properties Organization, Iran)
- **Mahbod A**, Lak Aliabadi S and Ghanbari M, "Round Fruits Automatic Categorizing Machine", August 2011, Patent Certificate Number 70911, (Registered on State Deeds & Real Properties Organization, Iran)
- **Mahbod A**, "Design & Implementation of the Automatic Regulatory System of Car's Headlight", July 2011, Patent Certificate Number 70893, (Registered on State Deeds & Real Properties Organization, Iran)

---

## Supervision

Sep 2024 – Sep 2026 **Main supervisor**, Postdoc (Nima Torbati), Title: "LymphoidStructureMiner: AI-based exploration of the immunological contexture of lymphoid structures in translational research "

- Sep 2024 – Sep 2026 **Co technical supervisor**, Postdoc (Kountay Dwivedi), Title: “Development of a deep learning-based decision support system for classification of oral dysplasia grades”
- Oct 2024 – Oct 2027 **Co technical supervisor**, PhD student (Carmen Colin), Title: “Development of a highly innovative label-free & deep-learning based analysis method: Histoplasmonic Tissue Cytometry”
- Dec 2024 – Aug 2025 **Main supervisor**, PhD visiting student (Nematollah Saeidi), Title: “Histopathological Image Classification by Nuclei-based Graph Convolutional Network”
- Sep 2023 – May 2024 **Main supervisor**, PhD visiting student (Nematollah Saeidi), Title: “Image retrieval and classification in medical images using graph neural networks”
- Feb 2022 – Mar 2023 **Main supervisor**, Master Thesis (Marcel Koseler), Medical University of Vienna, Title: “Improving Generalisation Capability of Deep Learning-Based Nuclei Instance Segmentation Model”
- Mar 2020 – Jan 2022 **Main supervisor**, Master Thesis (Benjamin Bancher), Medical University of Vienna, Title: “Nuclei Segmentation using improved Mask-RCNN”

---

## Teaching

- Scientific Module (SS and WS 2023 and WS 2022 at DPU)
- Creative und Critical Journal Club (SS 2024, SS and WS 2023, SS and WS 2022, SS and WS 2021 at MedUni Wien)
- Diplomand Innen Seminar (SS 2023, WS 2022, SS 2021, and SS 2020 at MedUni Wien)

---

## Conferences, Trainings & Presentations

- 41th International Conference on Machine Learning (ICML), Vienna Austria, July 2024 (attendee)
- 6th MIC Festival “Connecting the Dots with Multidisciplinarity”, Vienna Austria, June 2024 (spotlight talk)
- 5th MIC Festival “Future Potentials of Medical Imaging”, Vienna Austria, June 2023 (poster presentation)
- Medical Image Computing and Computer Assisted Intervention conference, Singapore (Virtual), September 2022 (workshop paper presentation)
- Reveal the Secrets of Tissue Microenvironment Workshop (Virtual), India, May 2022 (invited speaker)
- Artificial Intelligence and Big Data in Digital Era, Ho Chi Minh City, Vietnam, December 2021 (Technical Program Committee)
- 4th MIC Festival “Success by imaging: How to lift my research to the next level”, Vienna Austria, December 2021 (poster presentation)
- Artificial Intelligence in Clinical Imaging Forum, Klagenfurt, Austria, November 2021 (attendee)
- Medical Image Computing and Computer Assisted Intervention conference, Strasbourg, France (Virtual), September 2021 (challenger and workshop paper presentation)
- 11th Retreat of the Center for Pathophysiology, Infectiology and Immunology, Vienna, Austria, September 2021 (Abstract submission)
- Young Scientist Symposium, Vienna, Austria, June 2021 (poster presentation)

- 25th International Conference on Pattern Recognition, Milan, Italy (Virtual), January 2021 (two poster presentations)
- 3rd MIC Festival “Driving the Evolution of Medicine with Imaging”, Vienna Austria (Virtual), December 2020 (rapid oral presentation)
- Medical Image Computing and Computer Assisted Intervention conference, Lima, Peru (Virtual), October 2020 (attendee)
- MoNuSAC workshop at International Symposium on Biomedical Imaging, Iowa, USA (Virtual), April 2020 (oral presentation)
- Artificial Intelligence in Clinical and Preclinical Settings Symposium, Vienna, Austria, November 2019 (invited speaker)
- 10th Retreat of the Center for Pathophysiology, Infectiology and Immunology, Vienna, Austria, September 2019 (poster presentation)
- ETN Annual Meeting “PhD Achievements”, Vienna, Austria, September 2019 (oral presentation)
- Young Scientist Symposium, Vienna, Austria, June 2019 (poster presentation)
- 2nd MIC Festival “Digital Revolution in Medical Imaging”, Vienna, Austria, June 2019 (poster presentation)
- Symposium on Machine Learning in Medicine & Biology, Vienna, Austria, June 2019 (attendee)
- Austrian Computer Science Day “Business Meets Computer Science”, Vienna, Austria, June 2019 (attendee)
- IEEE International Conference on Acoustics, Speech and Signal Processing, Brighton, UK, May 2019 (poster presentation)
- European Congress on Digital Pathology, Warwick, UK, April 2019 (oral presentation)
- MCAA General Assembly and Annual Conference, Vienna, Austria, Feb 2019 (attendee)
- ETN Training School “Research, Innovation Entrepreneurship”, Basel, Switzerland, January 2019 (attendee)
- Training school “Medical Imaging Meets Deep Learning”, Favignana, Italy, Aug 2018, (poster presentation)
- Medical Image Computing and Computer Assisted Intervention conference, Granada, Spain, September 2018 (challenge participant & oral presentation)
- 1st MIC Festival “Medical Imaging in Personalized Medicine”, Vienna, Austria, June 2018 (poster presentation)
- International Conference on Image Analysis and Recognition, Póvoa de Varzim, Portugal, June 2018 (poster presentation)
- Young Scientist Symposium, Vienna, Austria, June 2018 (oral presentation)
- ETN Training School “Self-presentation & Communication”, GÖdÖllő, Hungary, May 2018 (attendee)
- Annual Swedish Symposium on Image Analysis, Stockholm, Sweden, March 2018 (attendee)
- KTH Deep Learning workshop, Stockholm, Sweden, December 2017 (oral presentation)
- 8th Retreat of the Center for Pathophysiology, Infectiology and Immunology, Vienna, Austria, September 2017 (poster presentation)
- ETN Training school and annual meeting “Introduction to Academic Teaching”, Manchester, UK, September 2017 (oral presentation)



- Young Scientist Symposium, Vienna, Austria, June 2017 (poster presentation)
- ETN Training School “Translational Drug Research”, Copenhagen, Denmark, May 2017 (attendee)
- ETN Training School and Annual Meeting “CaSR: Molecular and Clinical Aspects”, Oxford, UK, December 2016 (oral presentation)
- TG-Symposium “Optics, Algos and Ice”, Obergurgl, Austria, November 2016 (attendee)
- Medical Image Computing and Computer Assisted Intervention conference, Athens, Greece, October 2016 (challenge participant & poster presentation)

---

## Certificates

- Research, Innovation Entrepreneurship (Novartis, Basel, Switzerland, Jan 2019)
- Management Systems and Internal Auditor Training (Andrew Hollo-Tas, Jan 2019)
- Self-presentation & Communication (BioTalentum, Gödöllő, Hungary, May 2018)
- Introduction to Academic Teaching (The University of Manchester, Manchester, UK, Sep 2017)
- Translational Drug Research (University of Copenhagen, Copenhagen, Denmark, May 2017)
- CaSR: Molecular and Clinical Aspects (University of Oxford, Oxford, UK, Dec 2016)
- Course certificates are available [here](#)

---

## Third Mission Activities

- Presneter at the The Long Night of Research, Wiener Neustadt, Austria, May 2024 ([Link](#))
- Trainer at the European Researchers' Night, Vienna, Austria, May 2022 ([Link](#))
- Trainer at the European Researchers' Night, Vienna, Austria, September 2018 ([Link](#))
- Workshop trainer at the Children University, Medical University Vienna “What is Gyro Gearloose doing? How scientists do research.” July 2018 ([Link](#))
- Workshop trainer at the Children University, Medical University Vienna “What is Gyro Gearloose doing? How scientists do research.” July 2017 ([Link](#))

---

## Languages

- Farsi (Native)
- English (Fluent) – TOEFL iBT Test Score:101 (2013)
- German (Intermediate) – official ÖIF B2 certificate (2023)

---

## Scientific Editor

- Guest editor of Bioengineering Journal (Special Issue: Machine Learning-Aided Medical Image Analysis, April 2024 - December 2024) ([Link](#))
- Guest editor of Diagnostics Journal (Special Issue: Advances in Computer-Aided Segmentation, Detection, and Classification of Nuclei in Histological Images, February 2022 - November 2022) ([Link](#))
- Guest editor of Diagnostics Journal (Special Issue: Advances in Skin Lesion Image Analysis Using Machine Learning Approaches, October 2020 - January 2022) ([Link](#))

---

## Scientific Reviewer

### Journals

- Medical Image Analysis
- IEEE Transaction on Medical Imaging
- IEEE Journal of Biomedical and Health Informatics
- Expert Systems with Applications
- Nature Scientific Data
- Computer Methods and Programs in Biomedicine
- Artificial Intelligence in Medicine
- Engineering Applications of Artificial Intelligence
- Artificial Intelligence Review Journal
- IEEE Access
- Diagnostics Journal
- Sensors Journal
- Annals of Biomedical Engineering
- Cluster Computing
- IET Image Processing Journal
- Biocybernetics and Biomedical Engineering Journal
- International Journal of Imaging Systems and Technology
- Computer Assisted Surgery Journal
- Computers and Electrical Engineering Journal
- Data in Brief
- Cancer Biomarkers Journal

### Conferences

- ISBI 2023
- ISIC Skin Image Analysis Workshop at ECCV 2022
- MIDL 2022
- MICCAI 2021
- ISIC Skin Image Analysis Workshop at CVPR 2021
- MIDL 2021
- MICCAI 2020
- ISIC Skin Image Analysis Workshop at CVPR 2020

---

## Membership

- Marie Curie Alumni Association
- Digital Pathology Association
- Medical Image Computing and Computer Assisted Interventions
- Medical Imaging Cluster (MIC) at the Medical University of Vienna
- IEEE Young Professionals & IEEE Signal Processing Society

---

## References

- Dr. Isabella Ellinger ([isabella.ellinger@meduniwien.ac.at](mailto:isabella.ellinger@meduniwien.ac.at))  
Associate Professor, Institute for Pathophysiology and Allergy Research  
Medical University of Vienna, Vienna, Austria
- Dr. Chunliang Wang ([chunliang.wang@sth.kth.se](mailto:chunliang.wang@sth.kth.se))  
Researcher, Division of Biomedical Imaging  
KTH Royal Institute of Technology, Stockholm, Sweden