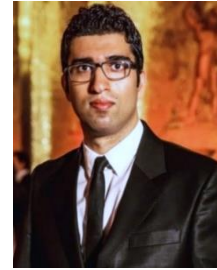


# Amirreza Mahbod



## Personal Information

Assistant Professor at Danube Private University &  
Part-time Lecturer at Medical University of Vienna  
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: [https://www.meduniwien.ac.at/researcher/amirreza\\_mahbod](https://www.meduniwien.ac.at/researcher/amirreza_mahbod)

## Education



Nov 2016 – Jan 2020 Medical University of Vienna, Vienna, Austria  
TissueGnostics GmbH, Vienna, Austria

### PhD in Medical Informatics, Biostatistics and Complex Systems

**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 (MedUni Vienna), Prof. Rupert Ecker (TissueGnostics GmbH)

Funded by the Marie Skłodowska-Curie Actions, Project no. 675228 ([Link](#))



Oct 2017 - June 2018 KTH Royal Institute of Technology  
Stockholm, Sweden

### Visiting Researcher at Department of Biomedical Engineering and Health Systems

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 KTH Royal Institute of Technology  
Stockholm, Sweden

### M.Sc. / Medical Engineering

**GPA: 4.39 / 5.00**

Department of Biomedical Engineering and Health Systems

Master Thesis title: *"Structural Brain MRI Segmentation Using Machine Learning Technique"* ([Link](#)), Supervisor: Dr. Chunliang Wang



Sep 2009 – March 2012 Iran University of Science and Technology  
Tehran, Iran

### M.Sc. / Electrical Engineering – Bioelectric

**GPA: 17.36 / 20.00**

Master Thesis title: *"Determining Quality of Fruits by Ultrasonic Waves"*,  
Supervisor: Prof. Hamid Behnam



Sep 2004 – Sep 2009 Iran University of Science and Technology  
Tehran, Iran

### B.Sc. / Electrical Engineering – Control

**GPA: 15.15 / 20.00** (last three years GPA: 16.56 / 20.00)

Bachelor Thesis title: *"Design & Implementation of the Automatic Regulatory System of Car's Headlight"*, Supervisor: Prof. Jahed Motlagh

## Interests

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

## Work Experiences

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- September 2023 – present**      **Danube Private University, Austria**
- ✓ **Assistant Professor:** Deep learning/machine learning methods for medical Image analysis  
**Technical Environment:** Deep learning frameworks and computer vision tools
- September 2022 – present**      **Medical University of Vienna, Austria**
- ✓ **Lecturer:** Institute for Pathophysiology and Allergy Research (part-time)  
**Courses:** Creative and Critical Journal Club, Diplomand Innen Seminar
- August 2022 – August 2023**      **Danube Private University, Austria**
- ✓ **AI Researcher:** 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
- April 2020 – July 2022**      **Medical University of Vienna, Austria**
- ✓ **Post-doctoral fellow:** 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
- November 2016 – March 2020**      **TissueGnostics GmbH, Vienna, Austria**
- ✓ **Research scientist:** 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
- August 2012 – February 2013**      **A&D (Andishe & Darman), Tehran, Iran**
- ✓ **Biomedical engineer:** Installing and repairing EEG & EMG equipments and analyzing data  
**Technical Environment:** Nihon Kohden software, Matlab
- May 2008 -- December 2008**      **RA Tech, Tehran, Iran**
- ✓ **Research engineer:** Designing blackout system for elevators  
**Technical Environment:** Simulation, Matlab, LabView, PSpice
- June 2007 -- September 2007**      **Bonyan Sanat Hamrah, Tehran, Iran**
- ✓ **Internship:** Siemens PLC programming and automation  
**Technical Environment:** PLC S7, Matlab, STL
- January 2006 -- August 2006**      **Iran University of Science & Technology**
- ✓ **Research engineer:** Design & implementation of a line follower robot  
**Technical Environment:** Matlab, Basic, AVR Microcontroller, Bascom
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## Computer Skills

- ✓ Computer Programming languages
  - Python, C
- ✓ Related software/tools
  - Matlab, PyCharm, LaTeX, Git, Docker
- ✓ Deep Learning Frameworks
  - Keras, TensorFlow, PyTorch, Monai, MatConvNet
- ✓ Operating Systems
  - Windows and Linux (Ubuntu)

**Publications**  
(Google Scholar)

**Journal Papers**

- ✓ 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*, to be submitted to Expert Systems with Applications, April 2024
- ✓ **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, Schwarzhans 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 Dermatoscopic Image Classification*, Computer Methods and Program 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 Program 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](#))

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### Grants

- ✓ **WWTF grant**, “LymphoidStructureMiner: AI-based exploration of the immunological contexture of lymphoid structures in translational research”, Role: Co-Principal Investigator, 2024 – 2026, **Amount: 480,000 €**
- ✓ **Bridge FFG grant**, “Development of a deep learning-based decision support system for classification of oral dysplasia grades”, Role: Project Collaborator, 2022 – 2025, **Amount: 360,000 €**
- ✓ **Ernst Mach Grant** from OeAD, “Image retrieval and classification in radiological images using graph neural networks”, Role: Supervisor, 2023 – 2024, 9-month scholarship
- ✓ **Bridge Young Scientists FFG grant**, “Deep learning for improved nuclei segmentation and knowledge transfer methods in microscopic images”, Role: Postdoc, 2020 – 2022, **Amount: 227,000 €**

## Honors & Awards & Mini Grants

- ✓ **Ranked 1<sup>st</sup>** in the [MICCAI 2021 Foot Ulcer Segmentation Challenge](#), August 2021
- ✓ **FFG Talente**: Praktika für Schülerinnen und Schüler (student internship grant), Role: Supervisor, 2021
- ✓ **Ranked 1<sup>st</sup>** in the [MoNuSAC](#) post-challenge and **Ranked 2<sup>nd</sup>** 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 2<sup>nd</sup>** 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 14<sup>th</sup>** 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 10<sup>th</sup>** 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 6<sup>th</sup> (totally) and Ranked 2<sup>nd</sup> (brain segmentation)** in the open MICCAI Grand Challenge on MR Brain Image Segmentation ([MRBrainS13](#)) among 37 teams, 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 3<sup>rd</sup>** (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 563<sup>rd</sup>** among more than 500,000 Mathematics and Physics participants in national university entrance exam, 2004

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## 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

- ✓ PhD visiting student (Nematollah Saeidi), Title: “Image retrieval and classification in medical images using graph neural networks” (September 2023 – May 2024)
- ✓ Master Thesis (Marcel Koseler), Medical University of Vienna, Title: “Improving Generalisation Capability of Deep Learning-Based Nuclei Instance Segmentation Model” (February 2022 – March 2023)
- ✓ Master Thesis (Benjamin Bancher), Medical University of Vienna, Title: “Nuclei Segmentation using improved Mask-RCNN” (March 2020 – January 2022)

## Teaching

- ✓ Scientific Module (SS and WS 2023 and WS 2022 at DPU)
- ✓ Creative und Critical Journal Club (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, training & presentations

- ✓ 5<sup>th</sup> 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)
- ✓ 4<sup>th</sup> 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)
- ✓ 11<sup>th</sup> Retreat of the Center for Pathophysiology, Infectiology and Immunology, Vienna, Austria, September 2021 (Abstract submission)
- ✓ Young Scientist Symposium, Vienna, Austria, June 2021 (poster presentation)
- ✓ 25<sup>th</sup> International Conference on Pattern Recognition, Milan, Italy (Virtual), January 2021 (two poster presentations)
- ✓ 3<sup>rd</sup> 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)
- ✓ 10<sup>th</sup> 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)
- ✓ 2<sup>nd</sup> 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)
- ✓ 1<sup>st</sup> 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)
- ✓ 8<sup>th</sup> 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 2 (attendee)
- ✓ Medical Image Computing and Computer Assisted Intervention conference, Athens, Greece, October 2016 (challenge participant & poster presentation)

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## 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

- ✓ 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 Reviewer

#### Journals:

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

#### Conferences:

- ✓ ISBI 2023 ([Link](#))
- ✓ ISIC Skin Image Analysis Workshop at ECCV 2022 ([Link](#))
- ✓ MIDL 2022 ([Link](#))
- ✓ MICCAI 2021 ([Link](#))
- ✓ ISIC Skin Image Analysis Workshop at CVPR 2021 ([Link](#))
- ✓ MIDL 2021 ([Link](#))
- ✓ MICCAI 2020 ([Link](#))
- ✓ ISIC Skin Image Analysis Workshop at CVPR 2020 ([Link](#))



## 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](#))
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## 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