



Amirreza Mahbod

Associate Professor at Danube Private University (full-time)
& Lecturer at Medical University of Vienna (part-time)

Personal Information

Location: Vienna, Austria

Citizenship: Austria & Iran

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ORCID: [0000-0001-5042-1442](https://orcid.org/0000-0001-5042-1442)

Education

- Feb 2026 – April 2026 **Visiting Scholar (Supported by Fulbright Association)**
[Stanford University \(California, USA\)](#)
Research area: *Improving Nuclei Instance Segmentation Evaluation*
Host: Professor Jeanne Shen, Center for Artificial Intelligence in Medicine and Imaging (AIMI)
- Apr 2025 **Habilitation in Medical Informatics, Biostatistics and Complex Systems**
[Medical University of Vienna \(Vienna, Austria\)](#)
Habilitation Colloquium: *Nuclei Instance Segmentation in Histological Images*
- Nov 2016 – Jan 2020 **PhD in Medical Informatics, Biostatistics and Complex Systems**
[Medical University of Vienna \(Vienna, Austria\)](#) & [TissueGnostics GmbH \(Vienna, Austria\)](#)
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, Prof. Rupert Ecker
Funded by the Horizon 2020 research and innovation programme ([Link](#))
- Oct 2017 - Jun 2018 **Visiting Scholar (Supported by Horizon 2020 Programme)**
[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 Headlight*
 Supervisors: Prof. Jahed Motlagh

Interests

- Applied Deep Learning & Machine Learning
- Medical Image Analysis (Computational Pathology)
- Foundation Models for Medical Data Analysis
- Multi-Modal Medical Data Fusion
- Evaluation in Biomedical AI

Work Experiences

- Jan 2026 - Present **Associate Professor at Danube Private University, Austria**
 Deep learning/machine learning methods for computational pathology
[Technical Environment:](#) Deep learning frameworks and computer vision tools
- Sep 2023 - Dec 2025 **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
[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, L^AT_EX
- Apr 2020 – Jul 2022 **Post-doctoral fellow at Medical University of Vienna, Austria**
 Deep learning/machine learning methods for medical image analysis such as segmentation, classification, and detection
[Technical Environment:](#) Python, Keras, Tensorflow, PyTorch, OpenCV, SciPy, Scikit-learn, Pandas, Matplotlib, NumPy, PyCharm, Matlab, Git, Docker, Ubuntu, L^AT_EX

Nov 2016 – Mar 2020

Research scientist at TissueGnostics GmbH, Austria

Deep learning/machine learning methods for medical image analysis such as segmentation, classification, and detection

Technical Environment: Python, Keras, Tensorflow, PyTorch, OpenCV, SciPy, Scikit-learn, Pandas, Matplotlib, NumPy, PyCharm, Matlab, MatConvNet, Git, Ubuntu, L^AT_EX

Computer Skills

Computer Programming Languages

- Python, C

Related software/tools

- Matlab, PyCharm, L^AT_EX, Git, Docker

Deep Learning Frameworks

- Keras, TensorFlow, PyTorch, MONAI, MatConvNet

Operating Systems

- Windows and Linux (Ubuntu)

Publications ([Google Scholar link](#), 3600+ citations, h-index:22)

Journal Papers:

- Torbati N, Meshcheryakova A, Woitek R, Hatamikia S, Mechtcheriakova D, **Mahbod A**, *NucFuseRank: Dataset Fusion and Performance Ranking for Nuclei Instance Segmentation*, Bioengineering. July 2026 ([Link](#))
- Torbati N, Meshcheryakova A, Woitek R, Hatamikia S, Mechtcheriakova D, **Mahbod A**, *A Multi-Stage Auto-Context Deep Learning Framework for Tissue and Nuclei Segmentation and Classification in H&E-Stained Histological Images of Advanced Melanoma*, Machine Learning with Applications, June 2026 ([Link](#))
- Dwivedi K, **Mahbod A**, Ecker R, Janjić K, *A Fusion-Based Multiomics Classification Approach for Enhanced Gene Discovery in Non-Small Cell Lung Cancer*, Bioinformatics Advances, April 2026 ([Link](#))
- Saeidi N, Karshenas H, Shoushtarian B, Hatamikia S, Woitek R, **Mahbod A**, *Leveraging Medical Foundation Model Features in Graph Neural Network-Based Retrieval of Breast Histopathology Images*, International Journal of Imaging Systems and Technology, April 2026 ([Link](#))
- Saeidi N, Torbati N, Woitek R, **Mahbod A**, *Integrating Foundation Model Features into Graph Neural Network and Fusing Predictions with Standard Fine-Tuned Models for Histology Image Classification*, Bioengineering, December 2025 ([Link](#))
- **Mahbod A**, Saeidi N, Hatamikia S, Woitek R, *Evaluating Pre-trained Convolutional Neural Networks and Foundation Models as Feature Extractors for Content-based Medical Image Retrieval*, Engineering Applications of Artificial Intelligence, March 2025 ([Link](#))
- **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, Niezgoda 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 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:

- Torbati N, Meshcheryakova A, Woitek R, Mechtcheriakova D, **Mahbod A**, *ACS-SegNet: An Attention-Based CNN-SegFormer Segmentation Network for Tissue Segmentation in Histopathology*, IEEE International Symposium on Biomedical Imaging (ISBI), April 2026 ([Link](#))
- Dwivedi K, **Mahbod A**, Ecker R, Janjić K, *A multimodal cross-attention patho-transcriptome integration for enhanced survival prediction of oral squamous cell carcinoma*, IEEE International Symposium on Biomedical Imaging (ISBI), April 2026 ([Link](#))
- **Mahbod A**, Ecker R, Woitek R, *Fusion of Foundation and Vision Transformer Model Features for Dermatoscopic Image Classification*, Medical Image Understanding and Analysis (MIUA) Abstract, June 2025 ([Link](#))
- **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/In submission:

- **Mahbod A**, Woitek R, Shen J, *NucEval: A Robust Evaluation Framework for Nuclear Instance Segmentation*, April 2026 (Submitted to NeurIPs 2026)
- Schuiveling M, ..., **Mahbod A**, ..., Veta M, *Associations between spatial distribution of immune cell subsets and clinical outcomes in patients with advanced melanoma treated with immune checkpoint inhibitors: results from the PUMA challenge*, March 2026 ([Preprint Link](#))
- Dehghan M, Woitek R, **Mahbod A**, *Effect of Patch Size on Fine-Tuning Vision Transformers in Two-Dimensional and Three-Dimensional Medical Image Classification*, February 2026 ([Preprint Link](#))
- Hatamikia S, George G, Schwarzhans F, **Mahbod A**, Reinius M, Abbasian Ardakani A, Jimenez-Linan M, Viswanath S, Crispin-Ortuzar M, Escudero Sanchez L, Sala E, Brenton J, Woitek R, *Developing Predictive and Robust Radiomics Models for Chemotherapy Response in High-Grade Serous Ovarian Carcinoma*, January 2026 ([Preprint Link](#))
- Dehghan M, Nasr-Esfahani MH, Tavalaei M, Woitek R, **Mahbod A**, *A Public Benchmark Study for Sperm DNA Fragmentation Prediction and Low-Risk Patients Identification*, July 2025 ([Preprint Link](#))
- Handa P, Dhir M, **Mahbod A**, Schwarzhans 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**, Schwarzhans 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](#))

Editorials:

- **Mahbod A**, Woitek R, *Special Issue on "Machine Learning-Aided Medical Image Analysis"*, Bioengineering, February 2026 ([Link](#))
- **Mahbod A**, Ellinger I, *Special Issue on "Advances in Skin Lesion Image Analysis Using Machine Learning Approaches"*, Diagnostics, August 2022 ([Link](#))

Grants

- 2026 – 2030 EIC Pathfinder Challenge (EU Research) Grant, "IMPACT-OC: Interpretable Multimodal Predictive Agents and Digital Twins for Ovarian Cancer", Role: Coordinator Contact, [Amount: €4,000,000](#)
- 2024 – 2027 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](#)
- 2026 – 2027 Ernst Mach Grant from OeAD (No. MPC-2026-02288), "AI-powered computational approaches for enhanced skin lesion image analysis", Role: Supervisor, 9-month scholarship

- 2025 – 2026 Ernst Mach Grant from OeAD (No. MPC-2025-00754), “Tumor Classification using Histological-Radiological Imaging and Pre-trained Foundation Models”, Role: Supervisor, 9-month scholarship
- 2022 – 2026 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

- **Fulbright Grant to visit Stanford University**, Aug 2025
- **Travel Grant** to participate in the MIUA conference (Leeds, UK) from MDPI, May 2025
- **Ranked 1st and 2nd** in Track 1 and Track 2 of the “Panoptic segmentation of nuclei and tissue in advanced melanoma” challenge, March 2025
- **Ranked among** the top 2.66% across all fields, top 3.87% in computer science, and top 0.12% in the skin condition specialty, according to ScholarGPS ranks over the past 5 years, March 2025
- **Travel Grant** to participate in the ICML conference (Vienna, Austria) from MDPI, 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. Dorfner), 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 Skłodowska-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 563rd** among more than 500,000 Mathematics and Physics participants in national university entrance exam, 2004

Supervision

Oct 2027 – Oct 2030	Main supervisor , PhD student (Atousa Khakbaz), Danube Private University, Title: "Deep Learning-Based Methods for Improved Nuclei and Tissue Segmentation in Histopathology"
September 2026 – June 2027	Main supervisor , Graduate visiting student (Saeed SHakurimoghaddam), Danube Private University, Title: "AI-powered computational approaches for enhanced skin aesion image anaaysis"
Jan 2026 – Aug 2026	Main supervisor , Graduate visiting student (Atousa Khakbaz), Danube Private University, Title: "Tumor Classificaton using Histological-Radiological Imaging and Pre-trained Foundaton Models"
Sep 2024 – Sep 2026	Main supervisor , Postdoc (Nima Torbati), Danube Private University, 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), Medical University of Vienna, 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), Medical University of Vienna, 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), Danube Private University, Title: "Histopathological Image Classification by Nuclei-based Graph Convolutional Network"
Sep 2023 – Sep 2024	Co technical supervisor , Master Thesis (Bianca Flatschart), University of Applied Sciences Krems, Title: "Quantitative comparison of automated and manual segmentations of breast cancer on MRI"
Sep 2023 – May 2024	Main supervisor , PhD visiting student (Nematollah Saeidi), Danube Private University, 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 (WS 2025, WS 2024, SS and WS 2023 and WS 2022 at DPU)
- Creative und Critical Journal Club (SS 2026, SS and WS 2025, SS and WS 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)

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 on [LinkedIn](#) in the "Licenses & Certifications" section.

Outreach 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

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

Scientific Editor

- Editorial Board Member of Nature Scientific Data Journal (Since Jan 2025) ([Link](#))
- Guest editor of Bioengineering Journal (Special Issue: Machine Learning-Aided Medical Image Analysis: Second Edition, June 2026 - Feb 2027) ([Link](#))
- Guest editor of Bioengineering Journal (Special Issue: Machine Learning-Aided Medical Image Analysis, Apr 2024 - Dec 2025) ([Link](#))
- Guest editor of Diagnostics Journal (Special Issue: Advances in Skin Lesion Image Analysis Using Machine Learning Approaches, Oct 2020 - Jan 2022) ([Link](#))

Scientific Reviewer

Grant

- European Research Council (ERC) Starting Grant

PhD thesis

- Université Libre de Bruxelles (ULB), Brussels, Belgium

Journals (selected)

- Medical Image Analysis
- IEEE Transaction on Medical Imaging
- npj Digital Medicine
- Information Fusion
- IEEE Journal of Biomedical and Health Informatics
- Expert Systems with Applications
- Nature Scientific Data
- GigaScience
- Computer Methods and Programs in Biomedicine
- Artificial Intelligence in Medicine
- Engineering Applications of Artificial Intelligence

Conferences (selected)

- NeurIPs 2026
- MICCAI 2020, 2021, 2026
- ISBI 2023
- ECCV 2022 (ISIC Skin Image Analysis Workshop)
- MIDL 2021, 2022
- CVPR 2020, 2021 (ISIC Skin Image Analysis Workshop)

Membership

- Fulbright Alumni Association
- Marie Curie Alumni Association
- Association for Computing Machinery (ACM)
- European Society of Digital and Integrative Pathology (ESDIP)
- Digital Pathology Association

References

- Associate Professor Dr. Jeanne Shen (jeannes@stanford.edu)
Department of Pathology & Center for Artificial Intelligence in Medicine & Imaging (AIMI)
Stanford University, California, USA
- Associate Professor Dr. Isabella Ellinger (isabella.ellinger@meduniwien.ac.at)
Institute for Pathophysiology and Allergy Research
Medical University of Vienna, Vienna, Austria