

# FELICIA MIHAI

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## Medical Physicist

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### Professional Experience

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- Global Medical Health, Romania** **Dec 2025 - Present**  
**Medical Physicist**, Bucharest  
Working in the Radiology department, MRI and CT laboratories and also in the Nuclear Medicine department, PET-CT laboratory. Attributions: periodic quality assurance and control, setting up scanning protocols and scanning patients.
- NORD Hospital - CDT Provita, Romania** **Apr 2024 - Oct 2025**  
**Medical Physicist**, Bucharest  
Working in the Nuclear Medicine department, PET-CT and SPECT-CT laboratories. Attributions: radionuclide preparation and dosage per patient, nuclear waste management, periodic quality control of the SPECT-CT and PET-CT machines, setting up scanning protocols and scanning patients.
- Global Medical Health, Romania** **Jun 2023 - Mar 2024**  
**Medical Physicist**, Bucharest  
Working in the Radiology department, MRI and CT laboratories. Attributions: periodic quality assurance and control, setting up scanning protocols and scanning patients
- Affidea, Romania** **Sep 2018 - May 2023**  
**Medical Physicist**, Bucharest  
Working in the Nuclear Medicine department, SPECT-CT laboratory. Attributions: radionuclide preparation and dosage per patient, nuclear waste management, periodic quality control of the SPECT-CT machine, setting up scanning protocols and scanning patients.
- Mate-Fin Medical, Romania** **Sep 2017 - Aug 2018**  
**Medical Physicist**, Bucharest  
Working in the Nuclear Medicine department, SPECT-CT laboratory. Attributions: radionuclide preparation and dosage per patient, nuclear waste management, periodic quality control of the SPECT-CT machine, setting up scanning protocols and scanning patients.

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### Certificates & Skills

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**CNCAN** Level 2 in Radiodiagnosis - Nuclear Medicine  
**Medical devices** PET-CT, SPECT-CT, MRI, CT  
**Microsoft Office 365** Word, Power Point, Outlook, Excel  
**Languages** English

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### Education

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- Faculty of Physics, University of Bucharest**, Magurele, Romania, PhD in Biophysics and medical physics, 2019 - Present
- Faculty of Physics, University of Bucharest**, Magurele, Romania, Master's Degree in Medical Physics, 2017 - 2019
- Faculty of Physics, University of Bucharest**, Magurele, Romania, Bachelor's Degree in Medical Physics, 2014 - 2017
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### Projects

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- Faculty of Physics, University of Bucharest**, SymNet, Magurele, Romania, [Link](#) **2021 - 2024**
- The main goal of this proposal is to create the first atlas of brain networks associated with clinical effects evoked by high-frequency stimulation. During this project, I was tasked with data filtering and analysis.
- Faculty of Physics, University of Bucharest**, Causaltonics, Magurele, Romania, [Link](#) **2018 - 2021**
- The present project aims to shed new light upon the neurophysiological constraints governing the entrainment of oscillatory activity in the human brain and its distribution throughout structural brain networks. During this project, I was tasked with data filtering and analysis.

- The goal was to better define the spatio-temporal signature of the brain networks involved in simple cognitive tasks using simultaneous surface and depth recordings. During this project, I was tasked with data collection, filtering and analysis.

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## Publications

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**Multi-modal connectivity of the brain underlying visual hallucinations evoked by high-frequency intracranial stimulations**, Brain Stimulation, Elsevier **May 2025**  
<https://doi.org/10.1016/j.brs.2025.05.138>

**Studying memory processes at different levels with simultaneous depth and surface EEG recordings**, Frontiers in Neuroscience **Apr 2023**  
<https://doi.org/10.3389/fnhum.2023.1154038>

**Imaging the effective networks associated with cortical function through intercranial highfrequency stimulation**, Human Brain Mapping, Wiley Online Library **Dec 2021**  
<https://doi.org/10.1002/hbm.25749>

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## International and national conferences

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American Epilepsy Society, 02/12/2022 – 06/12/2022 Nashville, USA

- 'Intracranial Stimulations as ground truth for visibility of deep high-frequency EEG sources - A simultaneous Scalp-SEEG study', A. Barborica, I. Mindruta, C. G. Benar, V. Lopez-Madrona, I. Oane, [F. Mihai](#), C. Donos, C. Pistol
- Network of insular physiologic and epileptogenic signs and symptoms', I. Oane, A. Barborica, [F. Mihai](#), A. Daneasa, F. Bratu, C. Lentoiu, C. Donos, C. Pistol, I. Mindruta

SNN-SRF Symposium, 29/09/2022 – 01/10/2022 Bucharest, Romania

- 'Validation of EEG source localization algorithms through simultaneous scalp-intracranial EEG recordings in patients with drug-resistant epilepsy', A. Barborica, I. Mindruta, I. Oane, C. Donos, [F. Mihai](#), C. Pistol
- 'Invasive presurgical exploration of visual system epilepsy', L. Tofan, [F. Mihai](#), I. Oane, A. Barborica, I. Mindruta

International Congress of Clinical Neurophysiology, 04/09/2022 – 08/09/2022 Geneva, Switzerland

- Gray matter heterotopias - is there something more than meets the eye on scalp EEG traces? - a simultaneous scalp EEG-stereo-EEG study', I. F. Bratu, A. Barborica, I. Oane, C. Lentoiu, [F. Mihai](#), C. Donos, C. Pistol, I. Mindruta

Romanian Society of electrodiagnosis neurophysiology, 2022 Bucharest, Romania

- Simultaneous scalp-intracranial EEG recordings in patients with drug-resistant epilepsy as a means to validate source localization algorithms', A. Barborica, I. Mindruta, I. Oane, C. Donos, [F. Mihai](#), C. Pistol

American Epilepsy Society, 03/12/2021 – 07/12/2021 Chicago, USA

- Insular-Cingulate Resting State and Symptom Related Connectivity Interplay in Patients with Drug-Resistant Epilepsy', I. Mindruta, I. Oane, F. Bratu, C. Lentoiu, [F. Mihai](#), C. Donos, A. Barborica
- What scalp recordings tell us about stimulations? A simultaneous Scalp-SEEG study', A. Barborica, I. Mindruta, C. G. Benar, S. Vulliemoz, I. Oane, [F. Mihai](#), C. Donos, C. Pistol

European Congress of Clinical Neurophysiology, 05/06/2019 – 08/06/2019 Warsaw, Poland

- 'Brain networks activated while performing high-frequency intracranial stimulation for functional cortical mapping', A. Barborică, I. Mîndruță, C. Donos, I. Popa, [F. Mihai](#), M.D. Mălîia, A. Daneasa, A. Arbune, C. Pistol
- 'Brain networks activated while performing intracranial stimulation for functional cortical mapping', A. Barborică, I. Mîndruță, C. Donos, I. Popa, [F. Mihai](#), M.D. Mălîia, A. Daneasa, A. Arbune, C. Pistol
- 'Intracerebral high frequency stimulation for mapping brain functions and connectivity', I. Mîndruță, A. Barborică, J. Ciurea, I. Popa, [F. Mihai](#), M.D. Mălîia, A. Daneasa, A. Arbune, C. Donos, O. Băjenaru
- 'Networks of ictal symptoms evoked by intracranial stimulation in drug-resistant epilepsy patients explored through stereo-EEG', I. Popa, A. Barborică, M.D. Mălîia, A. Daneasa, A. Arbune, C. Donos, [F. Mihai](#), J. Ciurea, O. Băjenaru, I. Mîndruță

Academia Română, 20/06/2019 – 20/06/2019 Bucharest, Romania

- 'A Bayesian framework for non-invasive interference of effective brain connectivity', C. Donos, A. Barborică, I. Popa, C. Pistol, M.D. Mălîia, A. Daneasa, A. Arbune, [F. Mihai](#), I. Mîndruță