

PERSONAL INFORMATION

Michael-Bogdan Mărgineanu

-  Splaiul Tudor Vladimirescu nr. 14, Timișoara, 300173, România
-  +40 740 117 707
-  [bogdan.margineanu@umft.ro](mailto:bogdan.margineanu@umft.ro)
-  [https://www.researchgate.net/profile/Michael\\_Margineanu2](https://www.researchgate.net/profile/Michael_Margineanu2)

WORK EXPERIENCE

09/2020–present

Lecturer, Department of Physiology

“Victor Babeș” University of Medicine and Pharmacy, Timișoara, Romania

- Teaching courses and practical sessions in Physiology for 1st year students across General Medicine, Dental Medicine, Nutrition and Dietetics, Dental Technology, Dental Prophylaxis, and General Nursing programmes, in Romanian and English.

**Business or sector** Higher Education / Medical University

10/2025–present  
10/2022–10/2025

Affiliated Researcher in Cancer Neuroscience  
Postdoctoral Researcher in Cancer Neuroscience

Francis Crick Institute, London, United Kingdom

- Studying the neuronal characteristics of small cell lung cancer carcinoma cells and the role of their electrical activity in promoting tumour aggressiveness.

**Business or sector** Biomedical Research

EDUCATION AND TRAINING

06/2015–07/2019

Doctor of Philosophy (PhD) in Molecular and Cell Biology

King Abdullah University of Science and Technology (KAUST), Thuwal, Saudi Arabia. Partial training at EPFL, Lausanne, Switzerland. Supervisor: Prof. Pierre Magistretti.

08/2013–06/2015

Master of Science in Molecular and Cell Biology

King Abdullah University of Science and Technology (KAUST), Thuwal, Saudi Arabia

08/2010–06/2013

Bachelor of Science in Biochemistry and Cell Biology

Jacobs University Bremen, Bremen, Germany

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
	TOEFL iBT				
French	B2	B2	B2	B2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

Communication skills

Good communication skills gained through experience in transdisciplinary, international and

multicultural teams across institutions in Germany, Saudi Arabia, Ireland, UK, and Romania.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Proficient user

Levels: Basic user - Independent user - Proficient user  
[Digital competences - Self-assessment grid](#)

ADDITIONAL INFORMATION

Publications

1. Beckett R, Archer L, Barrable A, Margineanu MB, Bradley S, Hawes S, Herr C, Housen M, Lacatusu A, Laitinen O, Roslund M, Rumble H, Scott W, Sinkkonen A, Sun X, Robinson JM. 0. Priority research questions in microbiome-integrated urban design. *mSphere* 2025
2. Peinado P, Stazi M, Ballabio C, Margineanu MB, et al. Intrinsic electrical activity drives small-cell lung cancer progression. *Nature* 2025.
3. Yu DMT, Dauth S, Margineanu MB, Snetkova V, Rehders M, Jordans S, Brix K. Characterization of Cysteine Cathepsin Expression in the Central Nervous System of Aged Wild-Type and Cathepsin-Deficient Mice. *Applied Sciences*. 2022, 12, 2608
4. Margineanu MB et al. Gut Microbiota Modulates Expression of Genes Involved in the Astrocyte-Neuron Lactate Shuttle in the Hippocampus. *Eur Neuropsychopharmacol* 2020;41:152-159.
5. Margineanu MB et al. L-lactate regulates the expression of synaptic plasticity and neuroprotection genes in cortical neurons: a transcriptome analysis. *Front Mol Neurosci* 2018;11:375.
6. Carrard A, Elsayed M, Margineanu M, et al. Peripheral administration of lactate produces antidepressant-like effects. *Mol Psychiatry* 2018;23:392-399.
7. Margineanu MB et al. Semi-automated quantification of living cells with internalized nanostructures. *J Nanobiotechnol* 2016;14:4.
8. Perez JE, Contreras MF, Vilanova E, Felix LP, Margineanu MB, Luongo G, Porter AE, Dunlop IE, Ravasi T, Kosel J: Cytotoxicity and intracellular dissolution of nickel nanowires. *Nanotoxicology*. 2016, Feb 5:1-10

Citations

- Web of Science: 236 citations, h-index 6
- Google Scholar: 454 citations, h-index 6

Books

1. Panaitescu C, Tănăsie G, Tatu C, Nistor D, Haidar L, Georgescu M, Pătrașcu R, Mărgineanu B, Calma C, Goția L, Cotarcă M, Tamaș P, Zimbru E, Zimbru R, Tîrziu A. *Fiziologie umană, vol. II*. Editura Eurostampa Timișoara, 2025, ISBN 978-606-32-1504-9
2. Mercer, T. G., & Margineanu, M. B. (2025). *Mentoring early career researchers*. In U. A. K. Betz (Ed.), *Science for a better tomorrow* (pp. 21-31). Springer. ISBN: 978-3-031-93623-4

Membership

Romanian National Neuroscience Society (SNN).

2.03.2026

