

Ágnes Szabó

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RESEARCH EXPERIENCE

2020-present	R&D fellow <i>Research Group for Implantable Microsystems, Pázmány Péter Catholic University, Faculty of Information Technology and Bionics, Budapest</i> <ul style="list-style-type: none">• Participating in research to introduce novel materials in neural applications and to construct multimodal microdevices facilitating simultaneous use of various functionalities like electrical recording, and optical stimulation.• Supporting bachelor and master students.• Collaborating with interprofessional colleagues.
13.09.2021- 13.12.2021	Erasmus trainee <i>Neurobiology of executive functions team at Stem cell and Brain Research Institute (SBRI), Lyon</i> Evaluation of long-term chronic recordings in terms of physiological content, preprocessing the data and performing computations

EDUCATION

2018-2023	PhD in information technology <i>Pázmány Péter Catholic University, Roska Tamás Doctoral School of Sciences and Technology</i> Topic: Characterization of polymer microstructures for in vitro and in vivo applications
2016-2018	Info-Bionics Engineer (MSc) <i>Pázmány Péter Catholic University, Faculty of Information Technology and Bionics</i> Topic: Characterization of in vitro cell cultures by automated image processing algorithms
2012 - 2016	Molecular Bionics Engineer (BSc) <i>Pázmány Péter Catholic University, Faculty of Information Technology and Bionics</i>

PUBLICATIONS



MTMT

<https://scholar.google.com/citations?hl=hu&user=zaIfnPEAAAAJ>

<https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10065203>

AWARDS, RECOGNITIONS

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| 2024 | Winner at EKÖP-24-4 University Research Scholarship Program as a postdoc |
| 2023 | Oral presenter selected from abstracts at the Joint Meeting of the Hungarian Neuroscience Society (MITT) and the Austrian Neuroscience Association (ANA) |
| 2021 | Winner at ÚNKP-21-3 New National Excellence Program of The Ministry for Innovation and Technology as a PhD student |
| 2020 | Winner at ÚNKP-20-3 New National Excellence Program of The Ministry for Innovation and Technology as a PhD student and as a supervisor |

OTHER RELEVANT EXPERIENCES

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| <i>Teaching</i> | <ul style="list-style-type: none">• Matlab Basics• Bionics in practice (English)• Basics of electrophysiology corresponding laboratory practice• Application of neural microsystems (English) |
| <i>Supervisor</i> | <ul style="list-style-type: none">• Bachelor thesis: 1• Master thesis: 4• Student's Scientific Research Conference: 1 |
| <i>Other scientific activity</i> | <ul style="list-style-type: none">• FENS member (2024)• Hungarian Neuroscience Society member (2023)• Brain Awareness week volunteer (2023,2024) |

LANGUAGES

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| <i>Hungarian</i> | Native |
| <i>English</i> | Intermediate level certificate (B2) |
| <i>German</i> | Advanced level certificate (C1) - passive |

Budapest, 2025. 03. 12.

Szabó Ágnes