



PERSONAL INFORMATION

Zsuzsanna Édua Magyar

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Date of birth 1. June 1993



WORK EXPERIENCE

Junior research associate 2022 -

University of Debrecen, Faculty of Medicine, Department of Physiology Eötvös Loránd Research Network - Cell Physiology Research Group

FDUCATION AND TRAINING

2018 - 2022PhD student

University of Debrecen, Doctoral School of Molecular Medicine

Physiology and neurobiology doctoral program

Supervisor: Dr. János Almássy, topic: Investigation of the molecular pathomechanisms of ryanopathies

2016 - 2018Master's degree, Molecular biology

University of Debrecen, Faculty of Medicine Medical biology - pharmacology specialization

2012 - 2016Bachelor's degree, Medical Laboratory and Diagnostic Imaging **Analytical Expert**

University of Debrecen, Faculty of Medicine Medical diagnostic laboratory analytical expert specialization

2008 - 2012Graduate

Kossuth Lajos High School, Tiszafüred (Hungary)

PERSONAL SKILLS

Mother tongue(s)

Hungarian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2
A2	A2	A2	A2	A2

English German

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user

Computer skills ECDL exam, Microsoft Office, OriginLab

Common European Framework of Reference for Languages



EDUCATIONAL ACTIVITIES

Teaching experience

Medical physiology practice (in Hungarian and English) for students of general medicine and dentistry since 2018.

Human physiology practice for molecular biologist students since 2018.

Human physiology seminar for medical laboratory and diagnostic imaging analytical expert students since 2018.

Problem based learning in physiology (in Hungarian and English) for general medicine students since 2018.

PUBLIC ACTIVITIES

Awards

Highlighted Trainee Author award, issued by Molecular Pharmacology journal for the "Dantrolene Requires Mg²⁺ and ATP to Inhibit the Ryanodine Receptor" titled article (2019).

New National Excellence Program of the Ministry of Human Capacities – Research topic: Role of the Intracellular Ca²⁺ Stores in Regulation of the Sarcoplasmic Reticulum Ca²⁺ Channels (2020).

New National Excellence Program of the Ministry of Human Capacities – Research topic: Investigation of Toxin-Derived Peptides as Ryanodine Receptor Inhibitors (2021).

New National Excellence Program of the Ministry of Human Capacities – Research topic: Functional and Pharmacological Characterization of the T4709M Mutant Ryanodine Receptor at Single-Channel Level (2022).

Poster award, 51. Membrane transport conference, Sümeg, Hungary (2022).

SCIENTIFIC ACTIVITIES

Research interests

Electro-mechanical coupling of striated muscles. Optical detection of intracellular calcium concentration changes, investigation of calcium homeostasis in excitable and non-excitable cells.

Research groups

Member of Eötvös Loránd Research Network, Cell physiology research group from 2022. Member of UD-SPACE physiology research group from 2019.

Member of UD Physiology Department, Membrane physiology research group from 2016 to 2022.

Research publications

https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10068101