

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 Mg^{2+} 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 Ca^{2+} Stores in Regulation of the Sarcoplasmic Reticulum Ca^{2+} 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>