



The contribution of astrocyte large-conductance Ca^{2+} -activated potassium channels to the early vasoconstriction in response to spreading depolarization

Ákos Menyhárt, Attila E. Farkas, Dániel P. Varga, Rita Frank, Réka Tóth, Armand R. Bálint, Péter Makra, Jens P. Dreier, Ferenc Bari, István A. Krizbai, **Eszter Farkas**



Group of Cerebral Blood Flow and Metabolism
Department of Medical Physics and Informatics
Faculty of Medicine Faculty of Science and Informatics
University of Szeged

Physiology and Pathology
of the Blood Brain Barrier Research Group
Research Institute of Biophysics Molecular
Neurobiology Research Unit



PROGRAM

January 17 – Thursday

08.30 – 09.30 Registration

09.45 – 10.00 Opening ceremony

10.00 – 10.45 **Plenary lecture I.** (Buzsáki Lecture)
The agony of choice
Alex Pouget (*University of Geneva, Geneva, CH*)

10.45 – 11.00 Break

11.00 – 12.45 **Symposium I.**
Astrocytic regulation of neuronal functions
Organizer: Balázs Pál
(*University of Debrecen, Debrecen, Hungary*)

The functional consequences of tripartite synapses on cortical circuits

Gertrudis Perea

Neuron-glia Networks Lab, Functional and Systems

Neurobiology Department, Cajal Institute, Madrid, Spain

Do astrocytes conduct the neuronal symphony?

László Héja

Hungarian Academy of Sciences, Research Centre for Natural

Sciences, Functional Pharmacology Research Group, Budapest, Hungary

The contribution of astrocytes to the recovery from spreading depolarization

Ákos Menyhárt, Eszter Farkas

University of Szeged, Faculty of Medicine, Faculty of Science and Informatics, Department of Medical Physics and Informatics, Szeged, Hungary