

A Computational Model of Interactions Between Neuronal and Astrocytic Networks: The Role of Astrocytes in the Stability of the Neuronal Firing Rate

Lenk, K., Satuvuori, E., Lallouette, J., Ladrón-de-Guevara, A., Berry, H. & Hyttinen, J. A. K., 22 Jan 2020, In : *Frontiers in Computational Neuroscience*. 13, 19 p., 92.

Research output: Contribution to journal > Article > Scientific > peer-review

A constrained HMM-based approach to the estimation of perceptual switching dynamics in pigeons

Otterpohl, J. R., Emmert-Streib, F. & Pawelzik, K., Jun 2001, In : *Neurocomputing*. 38-40, p. 1495-1501 7 p.

Research output: Contribution to journal > Article > Scientific > peer-review

Advanced boundary electrode modeling for tES and parallel tES/EEG

Pursiainen, S., Agsten, B., Wagner, S. & Wolters, C. H., 2017, In : *IEEE Transactions on Neural Systems and Rehabilitation Engineering*. 26, 1, p. 37-44

Research output: Contribution to journal > Article > Scientific > peer-review

Advances in Human Stem Cell-Derived Neuronal Cell Culturing and Analysis

Ylä-Outinen, L., Tanskanen, J. M. A., Kapucu, F. E., Hyysalo, A., Hyttinen, J. A. K. & Narkilahti, S., 2019, In : *In Vitro Neuronal Networks: From Culturing Methods to Neuro-Technological Applications*. Springer New York LLC, p. 299-329 31 p. (Advances in Neurobiology; vol. 22).

Research output: Chapter in Book/Report/Conference proceeding > Chapter > Scientific > peer-review

Analysis of apoptosis-related genes in patients with clinically isolated syndrome and their association with conversion to multiple sclerosis

Hagman, S., Kolasa, M., Basnyat, P., Helminen, M., Kähönen, M., Dastidar, P., Lehtimäki, T. & Elovaara, I., 15 Mar 2015, In : *JOURNAL OF NEUROIMMUNOLOGY*. 280, p. 43-48 6 p.

Research output: Contribution to journal > Article > Scientific > peer-review

A Primal Neural Network for Online Equality-Constrained Quadratic Programming

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Research output: Contribution to journal > Article > Scientific > peer-review

A realistic, accurate and fast source modeling approach for the EEG forward problem

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Research output: Contribution to journal > Article > Scientific > peer-review

Assessment of mutation probabilities of KRAS G12 missense mutants and their long-timescale dynamics by atomistic molecular simulations and Markov state modeling

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Research output: Contribution to journal > Article > Scientific > peer-review

Assessment of PIV performance in validating CFD models from nasal cavity CBCT scans

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Research output: Contribution to journal > Article > Scientific > peer-review

Assessment of respiratory effort during sleep with noninvasive techniques

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Research output: Contribution to journal > Article > Scientific

Association between soluble L-selectin and anti-JCV antibodies in natalizumab-treated relapsing-remitting MS patients

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Research output: Contribution to journal > Article > Scientific > peer-review

Astrocyte lineage cells are essential for functional neuronal differentiation and synapse maturation in human iPSC-derived neural networks

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Research output: Contribution to journal > Article > Scientific > peer-review

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Research output: Contribution to journal > Article > Scientific > peer-review

Autoimmunity-related immunological serum markers and survival in a tertiary care cohort of adult patients with epilepsy

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Research output: Contribution to journal > Article > Scientific > peer-review

Automatic assessment of the myoclonus severity from videos recorded according to standardized Unified Myoclonus Rating Scale protocol and using human pose and body movement analysis

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Research output: Contribution to journal > Article > Scientific > peer-review

Automatic objective thresholding to detect neuronal action potentials

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Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

Building new computational models to support health behavior change and maintenance: new opportunities in behavioral research

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Research output: Contribution to journal > Article > Scientific > peer-review

Calcium Assists Dopamine Release by Preventing Aggregation on the Inner Leaflet of Presynaptic Vesicles

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Research output: Contribution to journal > Article > Scientific > peer-review

Cell culture chamber with gas supply for prolonged recording of human neuronal cells on microelectrode array

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Research output: Contribution to journal > Article > Scientific > peer-review

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Research output: Contribution to journal > Article > Scientific > peer-review

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Research output: Contribution to journal › Article › Scientific › peer-review

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Concerted regulation of npc2 binding to endosomal/lysosomal membranes by bis(monoacylglycerophosphate and sphingomyelin)

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Data-driven study of synchronous population activity in generic spiking neuronal networks: How much do we capture using the minimal model for the considered phenomena?

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Research output: Other conference contribution › Paper, poster or abstract › Scientific

Data-driven study of synchronous population activity in generic spiking neuronal networks: How much do we capture using the minimal model for the considered phenomena?

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Research output: Contribution to journal › Meeting Abstract › Scientific › peer-review

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Elevated levels of soluble CD26 and CD30 in multiple sclerosis

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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Research output: Contribution to journal › Article › Scientific › peer-review

Erratum: Extracting the dynamics of perceptual switching from 'noisy' behaviour: An application of hidden Markov

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Extracting the dynamics of perceptual switching from 'noisy' behaviour: An application of hidden Markov modelling to pecking data from pigeons

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Immediate effects of deep brain stimulation of anterior thalamic nuclei on executive functions and emotion-attention interaction in humans

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Research output: Contribution to journal > Article > Scientific > peer-review

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MetrlntMeas a novel metric for measuring the intelligence of a swarm of cooperating agents

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Research output: Contribution to journal > Article > Scientific > peer-review

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Research output: Contribution to journal > Article > Scientific > peer-review

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Research output: Contribution to journal > Article > Scientific > peer-review

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Research output: Contribution to journal > Article > Scientific > peer-review

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Research output: Contribution to journal > Article > Scientific > peer-review

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Research output: Contribution to journal > Article > Scientific > peer-review

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Research output: Chapter in Book/Report/Conference proceeding > Conference contribution > Scientific > peer-review

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Research output: Contribution to journal > Article > Scientific > peer-review

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