

LABORATORY OF NEUROPHYSIOLOGY OF LSMU NEUROSCIENCE INSTITUTE

2017-2011 Main publications indexed in databases

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1. **Bytautienė, Juntautė; Baranauskas, Gytis.** Rat superior colliculus neurons respond to large visual stimuli flashed outside the classical receptive field // PLoS One. San Francisco: Public Library of Science. eISSN 1932-6203. 2017, vol. 12, no. 4, p. 1-18. DOI: 10.1371/journal.pone.0174409. [Scopus; DOAJ; MEDLINE; AGRICOLA; Science Citation Index Expanded (Web of Science)] [Citav. rod.: 2,806 (2016, SCIE)] [M.kr.: 06B, 02B]
2. **Baginskas, Armuntas; Kuras, Antanas.** Retinal co-mediator acetylcholine evokes muscarinic inhibition of recurrent excitation in frog tectum column // Neuroscience letters. East Park Shannon: Elsevier. ISSN: 03043940, eISSN: 1872-7972. 2016, vol. 629, p. 137-142. DOI: 10.1016/j.neulet.2016.07.005. [Scopus; MEDLINE; Chemical abstracts; Science Citation Index Expanded (Web of Science)] [Citav. rod.: 2,107 (2015, SCIE)] [M.kr.: 04P]
3. **Baranauskas, Gytis; Svirskis, Gytis; Tkatch, Tatiana.** Spatial synchronization of visual stimulus-evoked gamma frequency oscillations in the rat superior colliculus // Neuroreport. London, England: Lippincott Williams & Wilkins. ISSN: 0959-4965. 2016, vol. 27, no. 3, p. 203-209. DOI: 10.1097/WNR.0000000000000525. [MEDLINE; Science Citation Index Expanded (Web of Science)] [Citav. rod.: 1,343 (2015, SCIE)] [M.kr.: 06B]
4. **Angotzi, Giannicola N; Baranauskas, Gytis; Vato, Alessandro; Bonfanti, Andrea; Zambra, Guido; Maggiolini, Emma; Semprini, Marianna; Ricci, Davide; Ansaldo, Alberto; Castagnola, Elisa; Ius, Tamara; Skrap, Miran; Fadiga, Luciano.** A Compact and autoclavable system for acute extracellular neural recording and brain pressure monitoring for humans // IEEE transactions on biomedical circuits and systems. New York, NY: IEEE. ISSN 1932-4545. 2015, vol. 9, no. 1, p. 50-59. Prieiga per internetą: <<http://www.ncbi.nlm.nih.gov/pubmed/25486648>>. [Science Citation Index Expanded (Web of Science); MEDLINE]. IF: 2.482 (2014) (M).
5. **Baginskas, Armuntas; Kuraitė, Vilija; Kuras, Antanas.** Nicotinic potentiation of frog retinotectal transmission in tectum layer F by $\alpha 3\beta 2$, $\alpha 4\beta 2$, $\alpha 2\beta 4$, $\alpha 6\beta 2$, or $\alpha 7$ acetylcholine receptor subtypes // Medicina. Amsterdam: Elsevier. (Original research article). ISSN 1010-660X. 2015, vol. 51, no. 2, p. 117-125. Prieiga per internetą: <<http://www.ncbi.nlm.nih.gov/pubmed/25975881>>. [Science Citation Index Expanded (Web of Science); MEDLINE; Index Copernicus; Scopus]. IF: 0.494 (2014) (M).
6. **Svirskis, Gytis; Baranauskas, Gytis; Svirskienė, Nataša; Tkatch, Tatiana.** Visual stimuli evoked action potentials trigger rapidly propagating dendritic calcium transients in the frog optic tectum layer 6 neurons // PloS One [electronic resource]. San Francisco: Public Library of Science. (Research article). ISSN 1932-6203. 2015, vol. 10, no. 9, p. 1-13 : pav. Prieiga per internetą: <<http://www.plosone.org/article/fetchObject.action?uri=info:doi/10.1371/journal.pone.0139472&representation=PDF>>. [Science Citation Index Expanded (Web of Science); MEDLINE; PyscINFO; EMBASE; AGRICOLA; Scopus]. IF: 3.234 (2014) (M).
7. **Baginskas, Armuntas; Kuras, Antanas.** Mechanisms of suprathreshold excitation of a frog tectal neuron column by discharge of a single moving edge or darkness detector and their relation to a frog's escape reactions / A. Baginskas, A. Kuras // Frogs : genetic diversity, neural development and ecological implications (Series: Animal Science, Issues and Professions) / Editor: Henry Lambert. New York : Nova Science Pub Inc, 2014. ISBN 9781631176272. p. 89-137 : pav. Prieiga per internetą: <https://www.novapublishers.com/catalog/product_info.php?products_id=48888&osCsid=>.
8. **Baginskas, Armuntas; Kuraitė, Vilija; Kuras, Antanas.** Phasic nicotinic potentiation of frog retinotectal transmission facilitates eliciting of higher activity level of the tectum column // Neuroscience Letters. Limerick: Elsevier Scientific Publishers Ireland. ISSN 0304-3940. 2013, vol. 554, p. 1-5 : pav. Prieiga per internetą: <<http://www.ncbi.nlm.nih.gov/pubmed/24012815>>. [Science Citation Index Expanded (Web of Science); MEDLINE]. IF: 2.026 (2012) (M).
9. **Baginskas, Armuntas; Kuraitė, Vilija; Kuras, Antanas.** Frog retinal ganglion cells projecting to the tectum layer F release acetylcholine as co-mediator // Neuroscience Letters. Limerick : Elsevier Scientific Publishers Ireland. ISSN 0304-3940. 2012, vol. 522, iss. 1, p. 145-150 : pav. Prieiga per internetą: <<http://www.ncbi.nlm.nih.gov/pubmed/22728061>>. [Science Citation Index Expanded (Web of Science); MEDLINE; ScienceDirect; BIOSIS; Chemical Abstracts; Current Contents/Life Sciences; EMBASE; Elsevier BIOBASE; Pascal M; Reference Update; SCOPUS]. [Citav. rod.: 2,105 (2011)][Indėlis: 0,333; indeksas: 0,701]
10. **Baginskas, Armuntas; Kuraitė, Vilija; Kuras, Antanas.** Phasic nicotinic potentiation of frog retinotectal transmission enhances intrinsic activity of tectum column // Neuroscience research. Limerick : Elsevier. ISSN 0168-0102. 2012,

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11. Baranauskas, Gytis; Svirskienė, Nataša; Svirskis, Gytis. 20 Hz membrane potential oscillations are driven by synaptic inputs in collision-detecting neurons in the frog optic tectum // *Neuroscience letters*. Limerick : Elsevier Scientific Publishers Ireland. ISSN 0304-3940. 2012, vol. 528, no. 2, p. 196-200 : pav. Prieiga per internetą: <<http://www.ncbi.nlm.nih.gov/pubmed/22995176>>. [Science Citation Index Expanded (Web of Science); MEDLINE; ScienceDirect; BIOSIS; Chemical Abstracts; Current Contents/Life Sciences; EMBASE; Elsevier BIOBASE; Pascal M; Reference Update; SCOPUS]. [Citav. rod.: 2,105 (2011)][Indėlis: 0,333; indeksas: 0,701]
 12. Baginskis, Armutas; Kuraitė, Vilija; Kuras, Antanas. Presynaptic nicotinic potentiation of a frog retinotectal transmission evoked by discharge of a single retina ganglion cell // *Neuroscience research*. Limerick : Elsevier. ISSN 0168-0102. 2011, vol. 70, no. 4, p. 391-400. Prieiga per internetą: <<http://www.sciencedirect.com/science/article/pii/S0168010211001337>>. [Science Citation Index Expanded (Web of Science); MEDLINE; ScienceDirect; PsycINFO Psychological Abstracts; Chemical Abstracts; BIOSIS; Cambridge Scientific Abstracts (CSA); EMBASE; Elsevier BIOBASE/Current awareness; Reference Update; SCOPUS]. [Citav. rod.: 2,25][Indėlis: 0,333; indeksas: 0,749]
 13. Baginskis, Armutas; Kuras, Antanas. Muscarinic inhibition of recurrent glutamatergic excitation in frog tectum column prevents NMDA receptor activation on eVerent neuron // *Experimental brain research*. Experimentelle Hirnforschung. Expérimentation cérébrale. Berlin : Springer. ISSN 0014-4819. 2011, vol. 208, iss. 3, p. 323-334. Prieiga per internetą: <<http://www.springerlink.com/content/e83535t375655448/>>. [ISI Web of Science; MEDLINE; Abstracts in Anthropology; Academic OneFile; Academic Search; AGRICOLA; Biological Abstracts; BIOSIS; CAB Abstracts; CAB International; Chemical Abstracts Service; Elsevier Biobase; EMBASE; ERIH; Gale; Global Health; Google Scholar; Health Reference Center Academic; IBIDS; Index Copernicus; INIS Atomindex; International Bibliography of Periodical Literature (IBZ); PSYCLINE; SCOPUS]. [Citav. rod.: 2,395][Indėlis: 0,5; indeksas: 1,198]
 14. Gabrielaitis, Mantas; Buisas, Rokas; Guzulaitis, Robertas; Svirskis, Gytis; Alaburda, Aidas. Persistent sodium current decreases transient gain in turtle motoneurons // *Brain research*. Amsterdam : Elsevier. (Research Report). ISSN 0006-8993. 2011, vol. 1373, p. 11-16. Prieiga per internetą: <<http://www.sciencedirect.com/science/article/pii/S0006899310026508>>. [ISI Web of Science; MEDLINE]. [Citav. rod.: 2,728][Indėlis: 0,1; indeksas: 0,273]