P. H. Torkkeli - publications

A) Refereed Journals (60)

Saari P., Immonen E.-V., French A.S., **Torkkeli P.H.**, Liu H., Heimonen K. & Frolov R. 2017: Knock-down of *Periplaneta americana* opsins reveals anomalous spectral sensitivity of green-sensitive photoreceptors and ephaptic interactions in bright light. *Submitted J. Neurophysiol.*

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Torkkeli P.H., Liu H. & French A.S. 2015: Transcriptome analysis of the central and peripheral nervous systems of the spider *Cupiennius salei* reveals multiple putative Cys-loop ligand gated ion channel subunits and an acetylcholine binding protein. *Plos One 10(9): e0138068. DOI: 10.1371/journal.pone.0138068*

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C) Abstracts (76)

Torkkeli P.H., Liu H., Johnson J.A.G., DePalma A. & French A.S. 2017: Transcriptome-based investigation of transmitters and receptors involved in synaptic modulation of spider mechanotransduction. The 16th International Meeting of Invertebrate Sound and Vibration.

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D) GenBank Accession numbers:

23. KT183364 *Cupiennius salei* Glutamate-gated Cl^- channel
22. KT183363 *Cupiennius salei* ACh bindin protein
21. KT183362 *Cupiennius salei* Nicotinic ACh receptor α
20. KY074556 *Cupiennius salei* Vesicular amine transporter
19. KX892709 *Cupiennius salei* Choline acetyltransferase
18. KY074555 *Cupiennius salei* FMRF-amide
17. KY074554 *Cupiennius salei* FMRF-amide
16. KX966397 *Cupiennius salei* Vesicular ACh transporter
15. KX892708 *Cupiennius salei* Carnitine O-palmitoyltransferase
14. KX892707 *Cupiennius salei* Carnitine O-acetyltransferase
13. KT183361 *Cupiennius salei* Nicotinic ACh receptor non-α
12. KT363688 *Cupiennius salei* Histamine-gated Cl^- channel
11. KX714078 *Periplaneta americana* K^+ KCNQ channel
10. KF010813 *Periplaneta americana* K^+ EAG channel
9. KP981367 *Periplaneta americana* green opsin
8. KP941115 *Periplaneta americana* UV opsin
7. KP861985 *Periplaneta americana* green opsin
6. GBFC01000001 to GBFC01000102 *Cupiennius salei* leg hypodermis transcriptome (Next 102 sequences)
5. GAKT01000001 to GAKT01000155 *Cupiennius salei* leg hypodermis transcriptome (First 155 sequences)
4. KF010814 *Periplaneta americana* antennal EAG ion channel
3. KF010813 *Periplaneta americana* retinal EAG ion channel
2. KC329816 *Periplaneta americana* retinal TRP ion channel
1. KC292630 *Periplaneta americana* retinal TRPL ion channel

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