

**DEPARTMENT OF PHARMACOLOGY & THERAPEUTICS LIST OF PUBLICATIONS 2019**

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**BERNARD, DANIEL**

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- Ryan P.D. Alexander, John Mitry, Vasu Sareen, Anmar Khadra and Derek Bowie  
Cerebellar stellate cell excitability is coordinated by shifts in the gating behavior of voltage-gated Na<sup>+</sup> and A-type K<sup>+</sup> channels *eNeuro*. 2019 May 20.
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## **CLARKE, PAUL**

In press

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- Lamine, A., Poujol de Molliens, M., Létourneau, M., Hébert, T.E., Vaudry, D., Fournier, A., and Chatenet, D. (2019) The amidated PACAP1-23 fragment is a potent reduced-size neuroprotective agent. (accepted for publication, *Biochim. Biophys. Acta*) This article was recommended reading from the Faculty of 1000

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- Lukashova, V., Devost, D., Namkung, Y., Longpré, J.-M., Amirai, M., Shinjo, Y., Hogue, M., Lagacé, M., Breton, B., Aoki, J., Le Gouill, C., Laporte, S.A., Pineyro, G., Inoue, A., Bouvier, M and Hébert, T.E. (2019) Signal profiling of the  $\alpha 1$ AR reveals coupling to novel signalling pathways and distinct phenotypic responses mediated by  $\alpha 1$ AR and  $\alpha 2$ AR (in revision *Scientific Reports*)
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- Mercier, V., Devost, D., Bourque, K., Alikashani, A., Beauchamp, C., Boucher, G., Foisy, S., Goyette, Charron, G., Hébert, T.E., and Rioux, J.D. (2019) Compromised signalling of IBD-associated G Protein-Coupled Receptor 65 impairs key functions involved in resolution of inflammation (submitted to *Inflammatory Bowel Diseases*)

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- Martin, R.M., Bouzza, C. and Hébert, T.E. (2019) Organellar G $\alpha$  signalling- GPCR signalling beyond the cell surface (Chapter 13 in "Structure, Function, and Drug Discovery in G Protein-Coupled Receptors", Paul Park and Beat Jastrzebska, editors, Elsevier Press, pp. 257-267)

- Bourque, K., Frohlich, E. and Hébert, T.E. (2019) Approaching GPCR dimers and oligomers using biophysical, biochemical and proteomic methods (in "GPCRs as Therapeutic Targets", edited by A. Gilchrist, Wiley)

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- Stimuli-responsive chitosan as an advantageous platform for efficient delivery of bioactive agents. Sabourian P, Tavakolian M, Yazdani H, Frounchi M, van de Ven TGM, Maysinger D, Kakkar A.J Control Release. 2019 Nov 26;317:216-231. doi: 10.1016/j.jconrel.2019.11.029. Review.PMID:31778742
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## **MCKINNEY, ANNE**

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- Organotypic and primary neural cultures as models to assess effects of different gold nanostructures on glia and neurons. Ji J, Moquin A, Bertorelle F, Ky Chang P, Antoine R, Luo J, McKinney RA, Maysinger D. Nanotoxicology. 2019 Apr;13(3):285-304. doi: 10.1080/17435390.2018.1543468. Epub 2019 Jan 29. PMID: 30691378

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- JBC. Small molecule agonists of RET receptors induce biased trophic signals modulated by GFR $\alpha$ 1 co-receptor expression. Sean Jmaeff 1,2, Yulia Sidorova 3, Hinyu Nedev 1, Mart Saarma 3, H. Uri Saragovi 1,2,4,5
- Mol Pharm. Small molecule ligands that bind the RET receptor activate neuroprotective signals independent of but modulated by co-receptor GFR $\alpha$ 1. Sean Jmaeff, Yulia Sidorova, Pablo F. Barcelona, Hinyu Nedev, Lucia M. Saragovi, Mark A. Hancock, Mart Saarma, H. Uri Saragovi
- Cell Reports. Alternative splicing of a receptor intracellular domain yields different ectodomain conformations that enable isoform-selective ligands. Fouad Brahimy 1, Alba Galan 1, Sean Jmaeff 1,4, Pablo F. Barcelona 1, Nicolas De Jay 1,2, Kurt Dejgaard 3, Jason C. Young 3, Claudia Kleiman 1,2, David Y. Thomas 3, H. Uri Saragovi 1,4,5,6
- EMBO. Antagonism of p75NTR or the proNGF growth factor reverses remodelling and improves bladder function in a mice model of diabetic voiding dysfunction. Abubakr H Mossa1, Alba Galan1, Philippe G. Cammisotto1, Monica Velasquez Flores1, Samer Shamout1,4, Pablo Barcelona1, H. Uri Saragovi1,2,3, Lysanne Campeau1,4

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