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A method for bidirectional solution exchange – “Liquid bullet” applications of acetylcholine to  $\alpha 7$  nicotinic receptors

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**Published in:** Journal of Neuroscience Methods, In Press

Alternatively spliced domains interact to regulate BK potassium channel gating

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Arrangement of Kv1 alpha subunits dictates sensitivity to tetraethylammonium

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Novel Alpha-7 Nicotinic Acetylcholine Receptor Agonists Containing a Urea Moiety: Identification and Characterization of the Potent, Selective, and Orally Efficacious Agonist 1-[6-(4-Fluorophenyl)pyridin-3-yl]-3-(4-piperidin-1-ylbutyl) Urea (SEN34625/WYE-103914)

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**Published in:** J. Med. Chem., 2010, 53 (11), pp 4379–4389 DOI: 10.1021/jm901692q

Telithromycin blocks neuromuscular transmission and inhibits nAChR currents in vitro

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**Published in:** Toxicol Lett. 2010 May 4;194(3):66-9. Epub 2010 Feb 12.

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MEC-2 and MEC-6 in the *Caenorhabditis elegans* Sensory Mechanotransduction Complex: Auxiliary Subunits that Enable Channel Activity

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**Published in:** J. Gen. Physiol., Jun 2008; 131: 605 - 616.

Differential Structure of Atrial and Ventricular KATP Atrial KATP Channels Require SUR1

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**Published in:** Circulation Research. 2008 Published online before print October 30, 2008, doi: 10.1161/CIRCRESAHA.108.17818

Role of cAMP sensor Epac as a determinant of K-ATP channel ATP-sensitivity in human pancreatic beta cells and rat INS-1 cells

**Author(s):** Guoxin Kang, Colin A Leech, Oleg G Chepurny, William A Coetzee, and **George G Holz**

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**Published in:** Kang et al. J Physiol.2008; 0: jphysiol.2007.143818v1

Gain-of-Function Mutations in the MEC-4 DEG/ENaC Sensory Mechanotransduction Channel Alter Gating and Drug Blockade

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**Published in:** J. Gen. Physiol., Jan 2007; 129: 161 - 173.

Controlling Desensitized States in Ligand-Receptor Interaction Studies with Cyclic Scanning Patch-Clamp Protocols

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A Biohybrid Dynamic Random Access Memory

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**Published in:** J. Am. Chem. Soc.; 128(15),5109-5113 (doi:10.1021/ja0580993), (2006)

An isoflurane- and alcohol-insensitive mutant GABAA receptor 1 subunit with near normal apparent affinity for GABA: characterization in heterologous systems and production of knock-in mice.

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**Published in:** J. Pharmacol. Exp. Ther. 2006: jpet.106.104406v1

Blocking Characteristics of hERG, hNav1.5, and hKvLQT1/ hminK after Administration of the Novel Anti-Arrhythmic Compound AZD7009

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