

Victor J. Hruby - Publications

Selected Publications

1181. [Novel \$\mu\$ Agonist, \$\delta\$ Antagonist, and NK1 Antagonist Peptide Chimeras.](#) ^[1] Isuru R. Kumarasinghe, Victor J. Hruby, **S. Tumati**, Shou-Wu Ma, Eva Varga, Josephine Lai, and Frank Porreca Breaking Away: Proceedings of the 21st American Peptide Symposium, M. Lebl, Ed., Am. Peptide Soc., San Diego, 179-180 (2009).
1182. [Studies of Energy Balance and Cancer](#) ^[1]. Joel Nyberg, Alexander Mayorov, Minying Cai, Morgan Zingsheim, and Victor J. Hruby. Breaking Away: Proceedings of the 21st American Peptide Symposium, M. Lebl, Ed., Am. Peptide Soc., San Diego, 310-311 (2009).
1183. [Functional Studies of AT1 Antagonist SII Analogues Reveal Selective Cell Signaling and Inhibition of Ang-II Mediated NHE3 Activation](#) ^[1]. Minying Cai, **H. Xu**, Zhihua Liu, Hongchang Qu, **J. Li**, **F.K. Ghishan**, and Victor J. Hruby. Breaking Away: Proceedings of the 21st American Peptide Symposium, M. Lebl, Ed., Am. Peptide Soc., San Diego, 300-301 (2009).
1184. [Synthesis of Optically Active Anti- \$\alpha\$ -Substituted \$\alpha,\beta\$ -Unsaturated Amino Acids via Asymmetric Thio-Claisen Rearrangement](#) ^[1]. Zhihua Liu, Hongchang Qu, Xuyuan Gu, KuangSu Lee, Bryan Grossman, Vlad K. Kumirov, and Victor J. Hruby. Breaking Away: Proceedings of the 21st American Peptide Symposium, M. Lebl, Ed., Am. Peptide Soc., San Diego, 11-12 (2009).
1185. Sex-Specific Mediation of Opioid-Induced Hyperalgesia by the Melanocortin-1 Receptor. **A. Juni**, Minying Cai, Magda Stankova, **A.R. Waxman**, **C. Arout**, **G. Klein**, **A. Dahan**, Victor J. Hruby, **J.S. Mogil**, and **B. Kest**. *Anesthesiology*, 112, 181-188 (2010).
1186. [New Insight into the Binding Mode of Cyclic Melanocortin Ligands at the MC4 Receptor.](#) ^[1] D. Brancaccio, A. Carotenuto, P. Grieco, V.J. Hruby, and E. Novellino. Breaking Away: Proceedings of the 21st American Peptide Symposium, M. Lebl, Ed., Am. Peptide Soc., San Diego, 117-118 (2009).
1187. Melanotropins as Drugs for the Treatment of Obesity and Other Feeding Disorders: Potential and Problems. Minying Cai, Joel Nyberg, and Victor J. Hruby. *Curr. Topics Med. Chem.*, 9, 554-563 (2009).
1188. Organic Chemistry and Biology: Chemical Biology Through the Eyes of Collaboration (A

Perspective). Victor J. Hruby. J. Org. Chem., 74, 9245-9264 (2009).NIHMSID# 261930

1189. Optimization of Time-Resolved Fluorescence Assay for Detection of Europium-Tetraazacyclododecyltetraacetic Acid-Labeled Ligand-Receptor Interactions. Channa R. De Silva, Josef Vagner, Ronald Lynch, Richard J. Gillies, and Victor J. Hruby. Analytical Biochemistry, 398, 15-23 (2010). NIHMSID 163449

1190. [Chemical Synthesis of Peptides and Peptide Libraries](#).^[2] Victor J. Hruby. D. Austin, Ed., Chemical Biology: The Role of Chemistry in Our Fundamental Understanding of Biology, The Biomedical & Life Sciences Collection, Henry Stewart Talks Ltd., London (2009).

1191. Novel Binding Motif of ACTH Analogues at the Melanocortin Receptors. **Y. Yang**, Victor J. Hruby, **M. Chen**, **C. Crasto**, Mingying Cai and **C.M. Harmon**. Biochemistry, 48, 9775-9784 (2009).

1192. [Delta Opioid Receptor Function](#) ^[3]. Edita Navratilova, Victor J. Hruby and Frank Porreca. The Opiate Receptors. Chapter 12. G. Pasternak, Ed., 2nd ed. Vol. 23. Humana Press. 307-340 (2011).

1193. Spinal or Systemic TY005, A Peptidic Opioid Agonist/Neurokinin 1 Antagonist, Attenuates Pain with Reduced Tolerance. Tally M. Largent-Milnes, Takashi Yamamoto, Padma Nair, J.W. Moulton, Victor J. Hruby, Josephine Lai, Frank Porreca and Todd W. Vanderah. Brit. J. Pharmacol., 161, 986-1001 (2010).

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1196. Multiple N-Methylation of MT-II Backbone Amide Bonds Leads to Melanocortin Receptor Subtype hMC1R Selectivity: Pharmacological and Conformational Studies. L. Doedens, F. Opperer, Ming Cai, J.G. Beck, Matthew Dedek, Erin Palmer, Victor J. Hruby, and Horst Kessler. J. Amer. Chem. Soc., 132, 8115-8128 (2010). NIHMSID 208710.

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1199. Novel Anti- α -Functionalized α,β -Unsaturated Amino Acids Via a Thio-Claisen Rearrangement. Zhihua Liu, Hongchang Qu, Xuyuan Gu, Kuang-Su Lee, Bryan Grossman, Vlad K. Kumirov, and Victor J. Hruby. Tetrahedron Letters, 51, 3518-3520 (2010).

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