



## **JUSTIN ORTIZ, M.D., RESEARCH**

**M.D.:** Harvard Medical School, Boston, Mass.

**Internship/Residency:** Stanford University, Stanford, Calif.

**Current Research/Area of Interest:** Molecular neuropharmacology and electrophysiology of descending pain modulation

### **Publications/Presentations/Poster Sessions:**

Noradrenergic Agonist Administration into the Central Nucleus of the Amygdala Increases the Tail-flick Latency in Lightly Anesthetized Rats. Ortiz, J.P.; Heinricher, M.M.; Selden, N.R. *Neuroscience*, Sep; 148(3):737-743, (2007).

Management Pitfalls in the Use of Embolization for the Treatment of Severe Epistaxis. Ortiz, J.P.; Bhattacharyya, N. *Ear Nose Throat J*, Mar; 81(3):178-83, (2002).

Molecular Basis of NMDA Receptor-coupled Ion Channel Modulation by S-Nitrosylation. Choi, Y.B.; Tennetti, L.; Lee, D.A.; Ortiz, J.P.; Bai, G.; Chen, H.S.; Lipton, S. A. *Nature Neuroscience*, 3:15-21, (2000).

Preparation of [<sup>14</sup>C]G2.5 and [<sup>14</sup>C]G5.5 Starburst® PAMAM Dendrimers: The First Example of Dendrimer Radiosynthesis. Maxwell, B.D.; Fujiwara, H.; Habibi-Goudarzi, S.; Ortiz, J.P.; Logusch, S.J. *Journal of Labeled Compounds and Radiopharmaceuticals*, XLI: 935-939, (1998).

"Novel MON 21200 Seed treatment Methods Using Dense Star Polymers (Dendrimers) for Encapsulating Small Molecules." Logusch, S.J.; Mouzi, T.S.; Ortiz, J.P. *Monsanto Patent Disclosure*, (1998).

"Novel Cross-Linked Dense Star Polymers (Dendrimers) for Encapsulating Small Molecules." Logusch, S.J.; Ortiz, J.P. *Monsanto Patent Disclosure*, (1998).

### **Medical Illustrations:**

100 Q&A about Sinusitis and Other Sinus Diseases. Wynn, R.; Jones and Bartlett Publishers, Inc.; 1st Edition (Dec. 25, 2007)

Treatment of Failed Frontal Sinus Obliteration. Wynn, R.; Vaughan, W.C.; *Operative Techniques in Otolaryngology*, 17:13-23, (2006)

A Cephalometric Comparison of Two Treatment Modalities for Class II Malocclusion: Cervical Headgear vs. Maxillary First Premolar Extraction. Cruikshank, D.; Shapiro, P.; Greenlee, G.; Little, R.; Huang, G.; *American Journal of Orthodontics & Dentofacial Orthopedics*, Submitted

Distal Parotid Duct Pseudocyst as a Result of Blunt Facial Trauma. Monfared, A.; Ortiz, J.; Roller, C.; ENT, Submitted

**Hobbies/Interests:** Illustration, sculpture, ice/roller hockey, tennis, poker

I chose the Oregon Scholars Program because it represents a unique opportunity to combine outstanding clinical and research training. Within this fully integrated program I have found the intellectual environment as well as the support and encouragement I need to advance toward an academic career in anesthesiology. I am now looking forward to my upcoming research block when I will be able to continue my exciting work in the neuropharmacology of acute pain. I would strongly recommend this program to anyone with a serious interest in medical research and a

desire for comprehensive clinical training.