ALEXIS T. BARIA

Department of Physiology
Northwestern University
Email: abaria@northwestern.edu

303 E Chicago Ave
Chicago, IL 60611
(773) 332-1808

EDUCATION

Northwestern University, Chicago, IL
Doctor of Philosophy in Neuroscience, August 2012
Advisor: A. Vania Apkarian, Ph.D.

Purdue University, West Lafayette, IN
Bachelor of Arts in Health and Kinesiology, May 2003
Minor in Mathematics

ACADEMIC RESEARCH EXPERIENCE

Postdoctoral Researcher, Northwestern University, Physiology
July 2012 – Present, Chicago, IL

Graduate Research Assistant, Northwestern University, Physiology
September 2007 – July 2012, Chicago, IL

Research Technologist, The University of Chicago, Biochemistry and Molecular Biology
June 2005 – September 2007, Chicago, IL

Research Technologist, The University of Chicago, Pediatric Endocrinology
July 2004 – June 2005, Chicago, IL

Research Specialist, University of Illinois at Chicago, Medical-Surgical Nursing
October 2003 – July 2004, Chicago, IL

Research Assistant, Purdue University, Biomechanics
May 2003 – August 2003, West Lafayette, IN

TEACHING EXPERIENCE

Speaker, Northwestern University Science in Society
March 2011 – present, Evanston, IL

Mentor, Northwestern University Bioscientist Summer Research Program
March 2012 – August 2012, Evanston, IL

Teaching Assistant, Neuroscience Fundamentals, Northwestern University
January 2009 – March 2009, Chicago, IL

Teaching Assistant, Introduction to Neurobiology, Northwestern University
September 2008 – December 2008, Evanston, IL

PROFESSIONAL AFFILIATIONS

Society for Neuroscience
International Association for the Study of Pain
Union of Concerned Scientists
Environmental Working Group
Scientists and Engineers for America

AWARDS

Phillips travel stipend award, Biennial Conference on Resting State Brain Connectivity, Milwaukee, WI, 2010.

PUBLICATIONS

Baria AT, Mansour A, Huang L, Baliki MN, Cecchi GA, Mesulam MM, Apkarian AV. Linking human brain local oscillations to structural and functional network architectures. (in review)

Baliki MN, Mansour A, Baria AT, Huang L, Fields HL, Apkarian AV. Accumbens subdivisions differentially signal salience and valence and distinguish between rewarding and painful events. (in review)

Hashmi JA, Baria AT, Baliki MN, Huang L, Schnitzer TJ, Apkarian AV. Brain networks predicting placebo analgesia in a clinical trial for chronic back pain. Pain. 2012 Sep 14. pii: S0304-3959(12)00479-4. doi: 10.1016/j.pain.2012.08.008.

Baliki MN, Baria AT, Apkarian AV. The cortical rhythms of chronic back pain. J Neurosci. 2011 Sep;31(39): 13981 –90.

Baria AT, Baliki MN, Parrish T, Apkarian AV. Anatomical and functional assemblies of brain BOLD oscillations. J Neurosci. 2011 May; 31(21): 7910 – 9.

Cortes M, Baria AT, Schwartz NB. Sulfation of chondroitin sulfate proteoglycans is necessary for proper Indian hedgehog signaling in the developing growth plate. Development. 2009 May; 136(10): 1697 – 706.

Wolfe A, Divall S, Singh SP, Nikrodhanond AA, Baria AT, Le WW, Hoffman GE, Radovick S. Temporal and spatial regulation of CRE recombinase expression in gonadotrphin-releasing hormone neurons in the mouse. J Neuroendocrinol. 2008 Jul; 20(7): 909 – 16.

Domowicz MM, Wadlington NL, Henry JG, Bond A, Mueller MM, Baria AT, Schwartz NB. Response of glial precursors to penetrating brain injury. Dev Bio. 2006 Jul; 295(1): 357.

Zelaznik HN, Spencer RM, Ivry RB, Baria A, Bloom M, Dolansky L, Justice S, Patterson K, Whetter, E. Timing variability in circle drawing and tapping: probing the relationship between event and emergent timing. J Mot Behav. 2005 Sep; 37(5): 395 – 403.

Rietdyk S, McGlothlin JD, Williams J, Baria AT. Proactive stability control while carrying loads and negotiating an elevated surface. Exp Brain Res. 2005 Aug; 165(1): 44 – 53.