Curriculum Vitae
2017

Bogdan Petre
Department of Psychology
University of Colorado Boulder
Campus Box: 345 UCB
Muenzinger D244
1905 Colorado Ave
Boulder, CO
Tel: 1 952 992 9876

Personal Information

Date of Birth:	July 18, 1988
Citizenship:	U.S.A.
	Romania/E.U.
Languages:	English (native)
	Romanian (native)
	Spanish (reading/writing)

Education

Doctor of Philosophy, Psychology — ***2016-current***
University of Colorado
Boulder, CO
Tor Wager (Principle Investigator)

Master of Science, Medical Sciences — ***2013-2015***
Boston University
Boston, MA
Thesis: Central Mechanisms of Offset Analgesia

Bachelor of the Arts, Integrated Sciences and Biological Sciences — ***2006-2010***
Northwestern University
Evanston, IL

University of Minnesota — ***2005-2006***
Minneapolis, MN
Post Secondary Enrollment Option

Edina High School — ***2002-2006***
Edina, MN

Professional Experience

Technical Researcher — ***2014-2016***
2010-2013

Student Internship ***Summer 2008, 2009***
Northwestern University
Chicago, IL
Department of Physiology
Dr. A. Vania Apkarian (Principle Investigator)

Student Internship ***Summer 2007***
Northwestern University
Chicago, IL
Department of Molecular Pharmacology and Biological Chemistry
Dr. Margarita Dubokovich (Principle Investigator)

Student Internship ***Summer 2005***
University of Minnesota
Minneapolis, MN
Department of Medicine; Hematology, Oncology and Transplantation Division
Dr. Kalpna Gupta (Principle Investigator)

Additional Professional Experience

Lime Design ***2008-2009***
Chicago, IL
Web application developer, security analyst and co-founder

Weinberg IT ***Summers 2008-09***
Northwestern University
Chicago, IL
Web Developer

Publications

Kutch JJ, Labus JS, Harris RE, Martucci KT, Farmer MA, Fenske S, Fling C, Ichesco E, Peltier S, **Petre B**, Guo W, Hou W, Stephens AJ, Mullins C, Clauw DJ, Mackey SC, Apkarian AV, Landis RJ, Mayer EA. (2017) Resting-state functional connectivity predicts longitudinal pain symptom change in urologic chronic pelvic pain syndrome: A MAPP Network Study. *Pain*. In Press.

Vachon-Presseau E, Tetreault P, **Petre B**, Huang L, Berger SE, Torbey S, Baria AT, Mansour AR, Hashmi JA, Griffith JW, Comasco E, Schnitzer TJ, Baliki MN, Apkarian AV. (2016) Corticolimbic anatomical characteristics predetermine risk for chronic pain. *Brain, 139,* 1958-70. doi: 10.1093/brain/aww100

Petre B, Baria AT, Apkarian AV. (2016) Reply. *Pain, 157(2),* 508-509. doi: 10.1097/j.pain.0000000000000419

Petre B*, Torbey S*, Griffith JW, De Oliveira G, Herrmann K, Mansour A, Baria AT, Baliki MN, Schnitzer TJ, Apkarian AV. (2015) Smoking increases risk of pain chronification through shared corticostriatal circuitry. *Human Brain Mapping, 36*(2), 683-694. doi: 10.1002/hbm.22656

Mutso AA*, **Petre B***, Huang L, Baliki MN, Torbey S, Herrmann K, Schnitzer TJ, Apkarian AV. (2014) Reorganization of Hippocampal Functional Connectivity with Transition to Chronic Back Pain. *J Neurophysiol*, 111(5), 1065-76. doi: 10.1152/jn.00611.2013

Baliki MN, **Petre B**, Torbey S, Herrmann KM, Huang L, Schnitzer TJ, Fields HL, Apkarian AV. (2012) Corticostriatal functional connectivity predicts transition to chronic back pain. *Nat Neurosci*, 15(8), 1117-9. doi: 10.1038/nn.3153.

*Authors contributed equally

Conference Talks

Petre B, Baliki M, Apkarian AV (2011). Morphological and functional reorganization of the limbic system predicts transition from acute to chronic back pain in humans. *Midwest Pain Interest Group* (PIG) annual meeting, Chicago, IL, July 2011.

Posters

Petre B, Apkarian AV (2016). A flexible model characterizing sub acute back pain trajectories and etiology. *Society for Neuroscience*, San Diego, CA, November 2016.

Petre B, Huang L, Apkarian AV (2015). Central mechanisms are sufficient to achieve temporal filtering of nociceptive information in offset analgesia. *9th Congress of the European Pain Federation EFIC*, Vienna, Austria, September 2015.

Petre B, Baliki M, Mansour A, Torbey S, Herrmann K, Schnitzer T, Apkarian AV (2013). Back pain intensity differentially engages nucleus accumbens core and shell in humans. *Society for Neuroscience*, San Diego, CA, November 2013.

Baria AT, **Petre B**, Baliki MN, Huang L, Apkarian AV (2013). Amygdala sub-nuclei differentially encode spontaneous pain and their functional connections are related to pain chronification. *Society for Neuroscience*, San Diego, CA, November 2013.

Mutso A, **Petre B**, Schnitzer TJ, Apkarian AV (2012). Increased hippocampal functional connectivity in sub-acute and chronic back pain. *Society for Neuroscience*, New Orleans, LA, October 2012.

Petre B, Baliki M, Schnitzer TJ, Apkarian AV (2011). Morphological and functional reorganization of the limbic system predicts transition from acute to chronic back pain in humans. *Society for Neuroscience*, Washington, DC, November 2011.

Parks E, **Petre B**, Apkarian AV (2010). Subacute and chronic low back pain differentially modulate the perceived value of reward. *International Association for the Study of Pain*, Montreal, QC, August 2010.