

Ray Lopez, Ph.D.

Lecturer

Department of Psychology

Research area: Behavioral neuroscience, artificial intelligence, ethics

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Bio

Dr. Lopez earned his bachelor's degree in psychology from The University of Texas, where he worked for 4 years in the research laboratory of Abram Amsel, one of the leading theorists in behaviorism. He completed an honors project in Dr. Amsel's lab studying the Pavlovian conditioning of the orienting response in very young rats.

Dr. Lopez earned a master of science and doctoral degree in experimental physiological psychology from the University of Texas at Arlington, under the guidance of Verne C. Cox. His graduate research studied the role of supraspinal neural pathways in mediating analgesia for tonic pain. The work that Dr. Lopez did at UT Arlington has served as the foundation for several prolific programs of research investigating the nature of pain, work which continues to this day. Following his graduate studies, Dr. Lopez worked as a postdoctoral researcher at the University of Texas Health Science Center at San Antonio, working in the area of pharmacology. His work there was concerned with understanding the role of serotonin in mediating depression and anxiety.

Dr Lopez left academia in 1997 to pursue other opportunities. Currently, he is a Data Scientist with the IBM Data & Artificial Intelligence group. His primary job is to manage the creation of certification programs and curriculum development for data scientists. Prior to working at IBM, Dr. Lopez worked in the non-profit sector, was a managing consultant with IBM Global Services, a consultant with EDS, and technology director for a couple of dotcoms. While working for these companies, Dr. Lopez worked on a very wide variety of projects with many different clients throughout the world.

He is happily married and has two great kids.

Degrees

- Ph.D. in Experimental Psychology, University of Texas at Arlington (1993)
- M.S. in Experimental Psychology, University of Texas at Arlington (1992)
- B.A. in Psychology, The University of Texas at Austin (1986)

Recent Courses

- 1013 *Introduction to Psychology*
- 3403 *Experimental Psychology*
- 3153 *Sensation and Perception*
- 3103 *Cognition*

Research in Progress

- Behavioral neuroscience
- Computer-mediated interactions
- Virtual communities
- Artificial intelligence
- Ethics

Recent Publications

- Daws, L., Lopez, R., Frazer, A. (1998). Effects of antidepressant treatment on inhibitory avoidance behavior and amygdaloid beta-adrenoceptors in rats. *Neuropsychopharmacology*, 19, 300-313.
- Lopez, R., Cox, V.C. (1992). Analgesia for tonic pain by self-administered lateral hypothalamic stimulation. *Neuroreport*, 3, 311-314.
- Lopez, R., Young, S.L., Cox, V.C. (1991). Analgesia for formalin-induced pain by lateral hypothalamic stimulation. *Brain Research*, 511, 1-6.
- Lopez, R., Frazer, A., (1996). Modulation of ultrasonic vocalizations by serotonin-1A agonists and antagonists in young male Wistar rats. Paper presented at the Annual Meeting of the Society for Neuroscience, Washington, DC, November 17, 1996.
- Lopez, S.G., Lopez, R. (2007). Inferential accuracy and interaction quality in dyadic, online interactions. Paper presented at the 2007 Annual Conference of the Association for Psychological Science, May 25, 2007.

Additional Information

Affiliations

- Association for Computing Machinery
- Association for Psychological Science (Charter Member)
- Society for Neuroscience
- Society of Catholic Scientists

- Philosophy of Science Association
- American Catholic Philosophical Association
- International Society for MacIntyrean Enquiry

Links

- [Dr. Ray's Class Resources Gopher](#): Yes, I still use [gopher](#) to host content for my courses, cuz that's how I roll.
- [IBM Data & Artificial Intelligence](#): Where I spend my days when not teaching or researching.
- [My Academic Lineage](#): I'm a direct descendant of [Wilhelm Wundt](#)!
- [Dr. Lopez at RateMyProfessors.com](#)