

CHRISTIAN A. RODRIGUEZ

PERSONAL INFORMATION

Born in Puerto Rico, July 31st

Nationality: USA

email carodrig@stanford.edu

website <http://www.c-rodriguez.com>

phone (M) +1 (312) 316 3700

EDUCATION

2010–Present **Stanford University**

PhD in Psychology

GPA: 3.87 / 4 · *In Progress* · Division: Neuroscience

Thesis: *Cognitive and Neural Mechanisms of Value Based Choice*

Advanced to candidacy in January of 2014

Expected graduation in Summer of 2015

My graduate work investigates how reward value is represented in the brain and how value representations guide goal-directed behavior. I use multiple methods to obtain measures of behavior or neural activity and develop computational models to describe the mechanisms revealed by these measures. Advisors: Asst. Prof. Samuel McCLURE, Prof. James McCLELLAND & Rsrch. Prof. Anthony NORCIA

2007–2010 **University of Illinois at Chicago**

*Post-Baccalaureate
Studies*

GPA: 3.84 / 4 · *Psychology, Neuroscience, and Mathematics*

Completed courses: Social Cognition, Foundations of Neuroscience I (Cellular), Calculus I, II and III, Differential Equations, Applied Linear Algebra.

2001–2006 **University of Puerto Rico, San Juan**

BA in Psychology

GPA: 3.84 / 4 · *Minor in Philosophy*

During my undergraduate career I completed several philosophy courses, focusing on formal logic and epistemology. These courses developed my ability to approach problems critically and creatively.

WORK EXPERIENCE

2010–Present **Researcher, DECISION NEUROSCIENCE LAB**

*Stanford
University*

Select scientific problems, design experiments, develop analysis tools and prepare multimedia reports for talks, conferences and research journals.

Reference: Samuel McCLURE · +1 (650) 325 2452 · smcclure@stanford.edu

2008–2010 **Research Assistant, CENTER FOR COGNITIVE
MEDICINE**

*University of
Illinois at Chicago*

Collected and analyzed data from functional magnetic resonance imaging, electroencephalography, eye-tracking and other measures.

Reference: John SWEENEY +1 (214) 648 5146 · john.sweeney@utsouthwestern.edu

TEACHING EXPERIENCE

*Stanford
University*

2011-Present Instructor, COGNITIVE NEUROSCIENCE

I have been an instructor for this introductory course twice, once with an additional co-instructor and once with two other co-instructors. We design the curriculum, prepare assignments, lectures and evaluation criteria and are solely responsible for grading. The class is open to all levels and has been attended by a diverse student body, from upper-level high-schoolers to PhD trainees.
Reference: James GROSS · +1 (650) 723 1281 · gross@stanford.edu

2012-2013 Teaching Assistant, STATISTICS

Served as TA for the graduate level statistics course and co-head TA for the undergraduate statistics course. Responsible for guiding discussion sessions, holding office hours and overseeing special accommodation arrangements. Helped students with analytical and computational aspects of statistical analyses.
Reference: Ewart THOMAS +1 (650) 725 1876 · ethomas@stanford.edu

2012 Teaching Assistant, SENSATION AND PERCEPTION

Served as TA for the undergraduate level course in sensation and perception. Responsible for guiding discussion sessions and holding office hours. Facilitated students' understanding of the neurobiological and computational principles of sensory processing in the brain.
Reference: Kalanit GRILL-SPECTOR +1 (650) 269 9605 · kalanit@stanford.edu

*University of
Puerto Rico*

2005 Tutor, CAUCE PROGRAM

Prepared and provided reading lessons for adults as part of an urban development literacy program in San Juan.

SKILLS

*Computer
Research*

MATLAB, R, L^AT_EX, LINUX, PYTHON (in order of proficiency)

Magnetic Resonance Imaging (MRI), Electroencephalography (EEG), Computational Modeling, Statistical Analysis

OTHER INFORMATION

Awards

2014 · NIMH Summer Institute in Cognitive Neuroscience Fellow

2013 · Society for Neuroeconomics Kavli Fellow

2013 · Stanford University EDGE-SBE Research Funds

2012 · Stanford University Mind Brain and Computation Fellow

2010 · Stanford University EDGE-SBE Fellow

2010 · National Science Foundation GRFP Fellow

2010 · W. Burghardt Turner Fellowship (declined)

2010 · Emory Diversity Graduate Fellowship (declined)

*Professional
Affiliations*

2012-Present · Society for Neuroeconomics

2009-Present · Society for Neuroscience

Languages

SPANISH · Mother tongue

ENGLISH · Proficient

PUBLICATIONS

- Book Chapters* Miller, E.M., **Rodriguez, C.A.**, Kim, B., & McClure, S.M. (2013) *Delay discounting: A two-systems perspective*. In Handbook of Emotion Regulation, Second Edition (J.J. Gross, Ed.), Guilford Publishers: New York.
- Peer Reviewed Articles* **Rodriguez, C.A.**, Turner, B., & McClure, S.M. (2014) *Intertemporal Choice as Discounted Value Accumulation*. PlosOne
- van den Bos, W., **Rodriguez, C.A.**, Schweitzer, J., & McClure, S.M. (under review) *Connectivity strength of dissociable striatal tracts predict individual differences in temporal discounting*. Journal of Neuroscience
- Rodriguez, C.A.**, Turner, B., Norcia, A.M., Cohen, M.X., van Zandt, T., & McClure, S.M. (under review) *The neural basis of value integration in intertemporal choice*. Journal of Neuroscience
- Turner, B., **Rodriguez, C.A.**, Norcia, A.M., Cohen, M.X., & McClure, S.M. (in preparation) *Joint constraints from neural activity and behavior improve fits and interpretability of evidence integration models*.
- Poster Presentations* **Rodriguez, C.A.**, & McClure, S.M. (2013) *Value and context driven activity in fronto-parietal regions guide intertemporal decision-making*. Society for Neuroscience Annual Meeting., San Diego, CA
- Rodriguez, C.A.**, Turner, B., Norcia, A.M., Cohen, M.X., & McClure, S.M. (2013) *Discounted value accumulation in dorsomedial prefrontal cortex*. Society for Neuroeconomics Annual Meeting., Laussane, Switzerland
- McClure, S.M., van den Bos, W., & **Rodriguez, C.A.** (2013) *Connectivity-based segregation of striatum predicts developmental differences in temporal discounting*. Society for Neuroscience Annual Meeting., San Diego, CA
- Rodriguez, C.A.**, Norcia, A.M., Cohen, M.X., & McClure, S.M. (2012). *An integrated frontoparietal network underlying value accumulation in intertemporal choice*. Society for Neuroeconomics Annual Meeting, Miami, FL.
- van den Bos, W., **Rodriguez, C.A.**, & McClure, S.M. (2012). *Connectivity-based segregation of striatum predicts individual differences in temporal discounting*. Society for Neuroeconomics Annual Meeting., Miami, FL.
- Reilly, J., Frankovich, K., **Rodriguez, C.A.**, & Sweeney, J.A.. (2009) *Reduced executive control of attention as a candidate intermediate phenotype in schizophrenia and psychotic bipolar disorder*. American College of Neuropsychopharmacology Annual Meeting., Hollywood, FL.
- Keedy, S.K. **Rodriguez, C.A.**, Gur, O., Kern, B., Sweeney, J.A.. (2009) *Attentional Modulation of Sensory Information Processing: an fMRI Study*. UIC College of Medicine Research Conference, Chicago, IL

June 6, 2014