

**René San Martín, Ph.D.****EDUCATION**

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- Ph.D., Duke University, May 2014  
Department of Psychology and Neuroscience  
Co-mentored by: Scott A. Huettel and Marty G. Woldorff.
- M.Sc., Universidad de Chile, December 2009  
Centro de Estudios Cognitivos  
Co-mentored by: Ricardo García and Agustín Ibáñez.
- B.A., Universidad de Valparaíso, March 2006  
Psychology

**ACADEMIC POSITIONS**

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- 2016-now Visiting researcher, Instituto de Sistemas Complejos en Ingeniería, Universidad de Chile
- 2012-now Director, Centro de Neuroeconomía, Facultad de Economía y Empresa, Universidad Diego Portales
- 2012-now Assistant professor, Facultad de Economía y Empresa, Universidad Diego Portales

**HONORS AND AWARDS**

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- 2015 Emerald/CLADEA Best Management Research Award
- 2011 NIMH Summer Institute in Cognitive Neuroscience Fellow, UC Santa Barbara – UC Davis
- 2010-2014 Fulbright-CONICYT PhD Fellowship, US State Department-Chilean Ministry of Education
- 2008 Summer Schools on Complex Systems Fellow, Valparaíso Complex Systems Institute.
- 2008 Visiting Trainee Award, Center UCM-ISCIH for Human Evolution and Behavior.
- 2001-2005 Juan Araya Villarroel Scholarship, Universidad de Valparaíso.
- 2001-2005 Juan Gomez Millas Program Scholarship, Department of Education , Chilean Ministry of Education.
- 2001 First selected (Honor Fellowship), School of Psychology, Universidad de Valparaíso.
- 2001 Regional maximum scores in mathematics and language tests for university selection, Regional (Valparaíso) Congress representative.

**GRANTS**

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- 2016-2018 FONDECYT (regular) N°1161715 ‘Identificación e intervención de mecanismos neurocognitivos asociados a la compra impulsiva en jóvenes universitarios’. Investigador responsable.

**MANUSCRIPTS/CHAPTERS PUBLISHED**

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- (13) San Martín, R., Kwak, Y., Pearson, J.M., Woldorff, M.G., Huettel, S.A (2016). Altruistic traits are predicted by neural responses to monetary outcomes for self versus charity. *Social Cognitive And Affective Neuroscience*. doi: 10.1093/scan/nsw026.
- (12) San Martín, R., Appelbaum, L.G., Huettel, S.A, Woldorff, M.G. (2014). Cortical brain activity reflecting attentional biasing toward reward-predicting cues covaries with economic decision-making performance. *Cerebral Cortex*. doi:10.1093/cercor/bhu160.
- (11) San Martín, R., Appelbaum, L.G., Pearson, J.M., Huettel, S.A, Woldorff, M.G. (2013). Rapid brain responses independently predict gain-maximization and loss-minimization during economic decision-making. *The Journal of Neuroscience*, 33(6), 7011-7019.
- (10) Lavín, C., San Martín, R., Rosales, E. (2013). Pupil dilation signals uncertainty and surprise in a learning gambling task. *Frontiers in Behavioral Neuroscience*, 7:218. doi: 10.3389/fnbeh.2013.00218.
- (9) San Martín, R. & Huettel, S. A. (2013). Cognitive Functions as Revealed by Imaging of the Human Brain. In: *Neuroscience in the 21st Century* (Pfaff, D. W., editor). Springer Verlag.
- (8) San Martín, R. (2012). Event-related potential studies of outcome processing and feedback-guided learning.

- (7) San Martín, R., Isla, P., Melis, C. (2012). Preferencia temporal en el cerebro: Una revisión crítica de las contribuciones de la neuroeconomía al estudio de la elección inter-temporal. *El trimestre económico*, 79(2) 449-473.
- (6) Lavín, C., San Martín, R., Bravo, D., Contreras, S., Isla, P. (2011). Potenciales cerebrales relacionados a feedback en el estudio del aprendizaje y la toma de decisiones económicas. *Revista Latinoamericana de Psicología*, 43(3), 455 – 471.
- (5) San Martín, R., Manes, F., Hurtado, E., Isla, P., Ibañez, A. (2010). Size and probability of rewards modulate the feedback error-related negativity associated with wins but not losses in a monetarily rewarded gambling task. *NeuroImage*, 51(3), 1194 – 1204.
- (4) Lobos, A., Hurtado, E., San Martín, R., Riveros, R., Trujillo, N., Escobar, M., Dufey, M., Fernández, A., Ibañez, A. (2009). Neurociencia Social en Sudamérica: La cognición sujeta a claves emocionales, sesgos raciales, procesos empáticos, efectos contextuales y toma de decisiones (Chapter 4, pp. 89-145). In: Ibañez, A., Escobar, M., Riveros, R. & Barutta, J. (eds.), *La Neurociencia social en Sudamérica: Una aproximación multinivel a perspectivas biológicas y sociales*. Juan Carlos Sáez Editor, Chile.
- (3) Ibañez, A., San Martín, R., Hurtado, E. & López, V. (2009). ERPs studies of Cognitive Processing During Sleep. *International Journal of Psychology*, 44 (4), 290 - 304.
- (2) Ibañez, A., San Martín, R., Hurtado, E. & López, V. (2008). Methodological considerations related to sleep paradigm using cognitive event related potentials. *Biological Research*, 41, 271 - 275.
- (1) San Martín, R. (2006). El significado de las categorías «Izquierda» y «Derecha»: Información, contraste y participación política juvenil. *Ultima década*, 24, 125-149.

#### **CONFERENCE PRESENTATIONS**

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- (8) Van den Berg, B., Geib, B.R., San Martín, R., Woldorff, M.G. (2016). Learning and updating of stimulus, reward associations. *Cognitive Neuroscience Society*, New York, NY.
- (7) San Martín, Stivers, J., Woldorff, M.G. (2015). The temporal dynamics of attentional shifting and feedback processing after partial feedback on the probability of reward. *Cognitive Neuroscience Society*, San Francisco CA.
- (6) San Martín, R., Kwak, Y., Pearson, J.M., Woldorff, M.G., Huettel, S.A (2014). Charitable Giving is Associated with Differential Neural Responses to Monetary Outcomes for Self Versus the Charity. *4th Annual Interdisciplinary Symposium on Decision Neuroscience*, Stanford University, Palo Alto, CA.
- (5) San Martín, R., Kwak, Y., Pearson, J.M., Woldorff, M.G., Huettel, S.A (2014). Differential neural responses to reward feedback for self versus others predicts pro-social economic behavior. *Cognitive Neuroscience Society*, Boston MA.
- (4) San Martín, R., Appelbaum, L.G., Huettel, S.A, Woldorff, M.G. (2013). Neural signatures of value-driven attentional capture predict individual differences in economic choice. *Cognitive Neuroscience Society*, San Francisco CA.
- (3) San Martín, R., Appelbaum, L.G., Pearson, J.M., Huettel, S.A, Woldorff, M.G. (2012). Neuroelectric responses predict economic biases in gain maximization and loss minimization. *First Regional Conference: Decision Making Across the Disciplines*, Duke University, Durham, N.C.
- (2) San Martín, R., Appelbaum, L.G., Pearson, J.M., Huettel, S.A, Woldorff, M.G. (2011). Feedback-related activity predicts individual differences in gain maximizing and loss minimizing in a probabilistic decision-making task. *Society for Neuroscience*, Washington D.C.
- (1) San Martín, R., Hurtado, E., Isla, P., Manes, F., Ibañez, A. (2009). Expected value modulates the feedback correct-related positivity: An ERP study on cognitive processing of monetary gains and losses. *Society for Psychophysiological Research*, Berlin.

#### **SERVICE: DISCIPLINARY**

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- Peer Reviewer, *Frontiers in Human Neuroscience*, *Brain Research*, *Human Brain Mapping*, *NeuroImage*, *Neuropsychologia*, *Journal of Marketing Research*, *Revista Latinoamericana de Psicología*.
- Review Editor, *Frontiers in Human Neuroscience*.
- Grant Reviewer, CONICYT: Attraction and Insertion of Advanced Human Capital Program (2014).
- Grant Reviewer, CONICYT: FONDECYT Program (2014 to date).
- Scholarship committee, Fulbright Chile: Ph.D. scholarship program (2015 to date).

## SERVICE: INSTITUTIONAL

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*Director*, Centro de Neuroeconomía, Universidad Diego Portales (since 2012)

## TEACHING EXPERIENCE

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- 2015 – to date Instructor. *Introduction to neuromarketing and consumer neuroscience*. Universidad Diego Portales, Facultad de Economía y Empresa
- 2014 – to date Instructor. *Neuroeconomics*. Universidad Diego Portales, Facultad de Economía y Empresa
- 2014 – 2016 Instructor. *Organizational Behavior*. Universidad Diego Portales, Facultad de Economía y Empresa
- 2014 Teaching assistant. *Cognitive Psychology*. Duke University, Department of Psychology and Neuroscience.
- 2013 Teaching assistant. *Brainwaves and Cognition*. Duke University, Department of Psychology and Neuroscience.
- 2012 Teaching assistant. *Introduction to Psychology*. Duke University, Department of Psychology and Neuroscience.
- 2012 Teaching assistant. *Introduction to Statistical Methods in Psychology*. Duke University, Department of Psychology and Neuroscience.
- 2009 Lecturer. *Psychobiology of Economic Decision Making*. Universidad Técnica Federico Santa María, Department of Civil Industrial Engineering.
- 2009 Lecturer. *Problem Solving*. Universidad Católica Silva Henríquez, School of Psychology.
- 2002-2005 Teaching assistant. *Philosophical & Epistemological Foundations of Psychological Theories*. Universidad de Valparaíso, School of Psychology.