

Mauricio R. Delgado

Department of Psychology
101 Warren Street
Smith Hall – Room 340
Newark, NJ 07102
Phone: (973)353-3949
Fax: (973)353-1171

E-mail: delgado@psychology.rutgers.edu
<http://nwkpsych.rutgers.edu/neuroscience>

EDUCATION

Wesleyan University, <i>Middletown, CT</i>	Neuroscience	B.A.	1993-1997
University of Pittsburgh, <i>Pittsburgh, PA</i>	Neuroscience	Ph.D.	1997-2002
New York University, <i>New York, NY</i>	Psychology	Postdoctoral training	2002-2006

ACADEMIC APPOINTMENT

2006-2012	Rutgers University, <i>Newark, NJ</i>	Assistant Professor, Department of Psychology
2011-present	Rutgers University, <i>Newark, NJ</i>	Associate Director, Rutgers Univ. Brain Imaging Center
2012-present	Rutgers University, <i>Newark, NJ</i>	Associate Professor, Department of Psychology

HONORS & AWARDS

1995-1997	Ronald E. McNair Postbaccalaureate Achievement Fellowship, Wesleyan Univ.
1996	Letter of Commendation. National Institutes of Neurological Disorders & Stroke.
1997	High Honors in Neuroscience & Behavior Thesis. Wesleyan University.
1998-2001	National Science Foundation Graduate Research Fellowship, Univ. of Pittsburgh.
2000	Travel Award: Wisconsin Symposium on Emotion. The University of Wisconsin-Madison Dept. of Psychiatry's Health Emotions Research Institute, Madison, WI.
2001-2002	National Institute of Mental Health Research Education Grant Fellowship, Center for the Neural Basis of Cognition, University of Pittsburgh.
2002	Travel Award: Motivational Neuronal Network. Noordwijkerhout, Netherlands
2002	Travel Award: Frontiers in Addiction Research National Institute on Drug Abuse.
2002	Travel Award: Wisconsin Symposium on Emotion. The University of Wisconsin-Madison Dept. of Psychiatry's Health Emotions Research Institute, Madison, WI.
2007-2009	Academic Excellence Fund, Rutgers University.
2009-2011	Charles and Johanna Busch Memorial Fund Award, Rutgers University
2010	Presidential Early Career Award for Scientists and Engineers (PECASE), Office of Science and Technology Policy, the White House.
2012	Board of Trustees Research Fellowship for Scholarly Excellence, Rutgers Univ.

JOURNAL ARTICLES (Selected from over 70 published peer-reviewed articles)

1. **Delgado, M.R.**, Nystrom, L.E., Fissell, K., Noll, D.C., Fiez, J.A. (2000) Tracking the hemodynamic responses to reward and punishment in the striatum. *Journal of Neurophysiology*, 84 (6): 3072-3077.
2. **Delgado, M.R.**, Frank, R.H., Phelps, E.A. (2005) Perception of moral character modulate the neural systems of reward during the trust game. *Nature Neuroscience*, 8 (11): 1611-1618.

3. **Delgado, M.R.** (2007) Reward-related responses in the human striatum. *Annals of the New York Academy of Science*, 1104: 70-88.
4. **Delgado, M.R.**, Gillis, M.M., Phelps, E.A. (2008) Regulating the expectation of reward via cognitive strategies. *Nature Neuroscience*, 11(8):880-1.
5. **Delgado, M.R.**, Schotter, A., Ozbay, E., Phelps, E.A. (2008) Understanding overbidding: Using the neural circuitry of reward to design economic auctions. *Science*, 321(5897): 1849-1852.
6. Fareri, D.S., Martin, L.N., **Delgado, M.R.** (2008) Reward-related processing in the human brain: Developmental considerations. *Development & Psychopathology*, 20(4): 1191-1211.
7. Porcelli, A.J. & **Delgado, M.R.** (2009) Acute stress modulates risk taking in financial decision-making. *Psychological Science*, 20(3): 278-283.
8. Wu, S., **Delgado, M.R.**, Maloney, L.T. (2009) Economic decision-making compared to an equivalent motor task. *Proceedings of the National Academy of Science* 106(15):6088-93.
9. Schiller, D., & **Delgado, M.R.** (2010) Overlapping neural systems mediating extinction, reversal and regulation of fear. *Trends in Cognitive Sciences*. 14(6): 268-276.
10. Dickerson, K.C., Li, J., **Delgado, M.R.** (2011) Parallel contributions of distinct human memory systems during probabilistic learning. *NeuroImage*. 55(1):266-76.
11. Martin, L.N & **Delgado, M.R.** (2011) The influence of emotion regulation on decision-making under risk. *Journal of Cognitive Neuroscience*, 23(9):2569-81.
12. Leotti, L.A. & **Delgado, M.R.** (2011) The inherent reward of choice. *Psychological Science*, 22:1310-1318.
13. **Delgado, M.R.** & Dickerson, K.C. (2012). Reward-related learning via multiple memory systems. *Biological Psychiatry*. 72(2):134-41.
14. Fareri, D.M.*, Niznikiewicz, M.*, Lee, V., **Delgado, M.R.** (2012). Social network modulation of reward-related signals. *Journal of Neuroscience*. 32(26):9045-9052.
15. Porcelli, A.J., Lewis, A.H., & **Delgado, M.R.** (2012). Acute stress influences neural circuits of reward processing. *Frontiers in Decision Neuroscience*, 6:157.
16. Lewis, A.H., Niznikiewicz, M.A., Delamater, A.R., **Delgado, M.R.** (2013). Avoidance-based human Pavlovian-to-Instrumental Transfer. *European Journal of Neuroscience*. 38(12):3740-8.
17. Ravizza, S.M. & **Delgado, M.R.** (2014). Motivational enhancement of cognitive control depends on depressive symptoms. *Emotion*. 14(4):646-50.
18. Fareri, D.S. & **Delgado, M.R.** (2014). Differential reward responses during competition against in- and out-of-network others. *Social Cognitive and Affective Neuroscience*. 9(4):412-20.
19. Leotti, L.A. & **Delgado, M.R.** (2014). The value of exercising control over monetary gains and losses. *Psychological Science*. 25(2):596-604.
20. Bhanji, J.P. & **Delgado, M.R.** (2014). Perceived control influences neural responses to setbacks and promotes persistence. *Neuron*. 83(6):1369-1375.
21. Speer, M.E., Bhanji, J.P., **Delgado, M.R.** (2014). Savoring the past: Positive memories evoke value representations in the striatum. *Neuron*. 84(4):847-56.
22. Smith, D.V.*, Sip, K.S.*, **Delgado, M.R.** (2015). Functional connectivity with distinct neural networks tracks fluctuations in gain/loss framing susceptibility. *Human Brain Mapping*. 36(7):2743-55.
23. Fareri, D.S.*, Chang*, L.J., **Delgado, M.R.** (2015). Computational substrates of social value in interpersonal collaboration. *Journal of Neuroscience*. 32(26):9045-9052.

24. Pessiglione, M. & **Delgado, M.R.** (2015). The good, the bad and the brain: Neural correlates of appetitive and aversive values underlying decision making. *Current Opinion in Behavioral Sciences*. 5:78-84.
25. Bhanji, J.P., Kim, E.S., **Delgado, M.R.** (2016). Perceived control alters the effect of acute stress on persistence. *Journal of Experimental Psychology: General*. 145(3): 356-65.
26. Wang, K.S., Smith, D.V., **Delgado, M.R.** (2016). Using fMRI to study reward processing in humans: Past, present and future. *Journal of Neurophysiology*. 115(3):1664-78.
27. Smith, D.V., Rigney, A.E., **Delgado, M.R.** (2016). Distinct reward properties are encoded via corticostriatal interactions. *Scientific Reports*. 6:20093.
28. Smith, D.V., Gseir, M., Speer, M.E., **Delgado, M.R.** (2016). Toward a cumulative science of functional integration: a meta-analysis of psychophysiological interactions. *Human Brain Mapping*. 37(8):2904-17.
29. Porcelli A.J. & **Delgado M.R.** (2017). Stress and Decision Making: Effects on valuation, learning and risk-taking. *Current Opinion in Behavioral Sciences*. 14:33-39.
30. Speer, M.E. & **Delgado, M.R.** (in press). Recalling the positive past dampens the physiological response to acute stress. *Nature Human Behaviour*.

Selected Commentaries

1. **Delgado, M.R.** (2008). Fool me once, shame on you; fool me twice, shame on oxytocin. *Neuron*, 58(4): 470-471.
2. **Delgado, M.R.** (2012). A brain bug's life. *Trends in Neuroscience* 35(4): 209-210.
3. Lewis, A.H. & **Delgado, M.R.** (2013). Between abstinence and dependency: Understanding the brain and behavioral correlates of reward learning in occasional stimulant users. *Biological Psychiatry*. 73(3):209-10.
4. Bhanji, J.P. & **Delgado, M.R.** (2013) Should I buy this book? How we construct prospective value. *Nature Neuroscience*. 16(10):1357-9.
5. Smith, D.V. & **Delgado, M.R.** (2015) Social nudges: How the brain computes utility conferred from others. *Nature Neuroscience*. 16(10):1357-9.

Edited Book

1. **Delgado, M.R.**, Phelps, E.A., & Robbins, T.W., E.A., Eds. (2011). Decision Making, Affect, and Learning: Attention and Performance XXIII. Oxford University Press

Complete List of Published Work in MyBibliography:

<http://www.ncbi.nlm.nih.gov/sites/myncbi/mauricio.delgado.1/bibliography/40646173/public/?sort=date&direction=ascending>.

RESEARCH SUPPORT

Active

- R01 DA 027764-01 NIH/NIDA Role: PI 2009–2017
 Title: “Neural mechanisms of avoidance learning and active coping via emotion regulation”.

Active Training Grants (Mentor Role)

- NIH F32MH107175 NIH/NIMH Role: Mentor; Trainee: Smith, D. 2015-2017
Title: "Parsing reward: Identifying distinct neural pathways for specific reward properties".
- NSF Proposal No. 1305994 NSF/SBE Role: Mentor; Trainee: Bhanji, J. 2013-2017
Title: "Persistence after failure: Understanding neural and behavioural responses to negative outcomes".

Previously Sponsored Research Projects

- R01 MH 084081 NIH/NIMH Role: PI, Delgado; (Co-PI, Harber, K) 2009-2015
Title: "Modulation of human reward circuitry by social factors".
- R03DA022998 NIH/NIDA Role: PI 2007–2009
Title: "The Influence of Emotion Regulation on the Neural Systems of Reward Processing".
- NSF Proposal No. 0718153 NSF Role: Co-PI (Gluck, M., PI) 2007-2011
Title: "Interdisciplinary Study of the Striatum in Human Learning and Decision-Making".
- NSF Proposal No. 1039505 Role: Co-PI (Hanson, S., PI; Krekelberg, B., Co-PI) 2010-2011
Title: "Major Research Instrumentation (MRI): Rutgers University Acquisition of a Siemens 3T TRIO".

PROFESSIONAL EXPERIENCE & SERVICES

Editorial Board

Associate/Action Editor

- Associate/Action Editor: *Cognitive, Affective & Behavioral Neuroscience* (2011-2015)
- Associate/Action Editor: *Frontiers in Decision Neuroscience* (2014-present)
- Associate/Action Editor: *Social, Cognitive and Affective Neuroscience* (2016-present)
- Guest Action Editor: *Journal of Experimental Psychology: General* (2013)
- Guest Action Editor: *Proceedings of the National Academy of Sciences* (2014, 2016)
- Consulting Editor: *NeuroImage* (2009-2012); *Psychological Science* (2012-present); *Cognitive, Affective & Behav. Neuroscience* (2015-present); *The Journal of Neuroscience* (2016-present)

Selected Other Service

- Grant Reviewer: Member, Cognition and Perception Study Section. Center for Scientific Review – National Institutes of Health (2015- present).
- Conference Organizer (with Dr. Jay Van Bavel) – *9th Annual Social and Affective Neuroscience Meeting*. NY (2016)
- NIMH Council Workgroup Member – *The National Advisory Mental Health Council Workgroup on Tasks and Measures for RDoC* (2016).
- Member of the Program Committee – *Society for Neuroscience* – 2014-2017
- Faculty & Mentor – *Summer Program in Neuroscience Ethics & Survival (SPINES)* – 2012-2016
- Executive Committee Member – *Social and Affective Neuroscience Society* – 2012-2015
- F1000Prime Faculty Member – *Cognitive Neuroscience Section* (2016-present)
- President – *Social and Affective Neuroscience Society* – 2017