

**Rebecca E. Martin, Ph.D.**  
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## Education

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**Ph.D. (2017) Columbia University, Psychology**

*Advisor: Kevin Ochsner*

*NRSA Cosponsors: Daphna Shohamy, Nim Tottenham*

*Dissertation: Influencing emotions: how brain development and social factors shape affective responses*

**M.Phil. (2015) Columbia University, Psychology**

**M.A. (2013) Columbia University, Psychology**

**M.Ed. (2009) Harvard Graduate School of Education, Mind, Brain, and Education**

**M.A. (2006) University of California Santa Cruz, Secondary School Social Science Education**

**B.A. (2003) New York University, History**

## Publications

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Martin, R.E., Silvers, J.A., Hardi, F., Stephano, T., Helion, C., Insel, K., Franz, P.J., Ninova, E., Weber, J., Mischel, W., Casey, B.J., & Ochsner, K.N. (in prep). Longitudinal changes in brain function and structure associated with emotion regulation and reactivity across development.

Martin, R.E., Silvers, J.A., Hardi, F., Stephano, T., Helion, C., Insel, K., Franz, P.J., Ninova, E., Lander, J.P., Weber, J., Mischel, W., Casey, B.J., & Ochsner, K.N. (in prep). Longitudinal structural changes in appetitive reactivity and regulation across development.

Martin, R.E., Weber, J., Kosciak, T.R., Cunningham, W.A., & Ochsner, K.N. (in prep). Social influence modulates neural and behavioral reactions to emotional scenes.

Martin, R.E., Villanueva, Y., Stephano, T., Franz, P.J., & Ochsner, K.N. (under review). Social influence and valuation of appetitive cues in early adolescence and adulthood.

Silvers, J. A., Insel, C., Powers, A., Franz, P., Helion, C., Martin, R.E, Weber, J., Mischel, W., Casey, B.J., Ochsner, K. N. (2016). The transition from childhood to adolescence is marked by a general decrease in amygdala reactivity and an affect-specific ventral-to-dorsal shift in medial prefrontal recruitment. *Developmental Cognitive Neuroscience, 10, 128-137.*

Martin, R.E., & Ochsner, K.N. (2016). The neuroscience of emotion regulation development: implications for education. *Current Opinion in Behavioral Sciences, 142-148.*

Silvers, J. A., Insel, C., Powers, A., Franz, P., Helion, C., Martin, R. E., Weber, J., Casey, B.J., Mischel, W., & Ochsner, K. N. (2016). vIPFC–vmPFC–amygdala interactions underlie age-related differences in cognitive regulation of emotion. *Cerebral Cortex, 1-13.*

West, M. R., Kraft, M. A., Finn, A. S., Martin, R. E., Duckworth, A. L., Gabrieli, C. F. O., & Gabrieli, J. D. E. (2015). Promise and paradox: measuring students' non-cognitive skills and the impact of schooling. *Educational Evaluation and Policy Analysis, 38 (1), 148-170.*

Saygin, Z. M., Osher, D. E., Koldewyn, K., Martin, R. E., Finn, A., Saxe, R., Gabrieli, J. D. E., & Sheridan, M. (2015). Structural connectivity of the developing human amygdala. *PLoS ONE*, *10*(4).

Finn, A. S., Kraft, M. A., West, M. R., Leonard, J. A., Bish, C. E., Martin, R. E., Sheridan, M.A., & Gabrieli, J. D. E. (2014). Cognitive skills, student achievement tests, and schools. *Psychological Science*, *25*(3), 736–744.

Sheridan, M.A., Kharitonova, M., Martin, R. E., Chatterjee, A., & Gabrieli, J. D. E. (2014). Neural substrates of the development of cognitive control in children ages 5–10 years. *Journal of Cognitive Neuroscience*, *1–11*.

Kharitonova, M., Martin, R. E., Gabrieli, J. D. E., & Sheridan, M. A. (2013). Cortical gray-matter thinning is associated with age-related improvements on executive function tasks. *Developmental Cognitive Neuroscience*, *6*, 61–71.

Martin, R. E., & Groff, J. S. (2011). Collaborations in mind, brain, and education: an analysis of researcher–practitioner partnerships in three elementary school intervention studies. *Mind, Brain, and Education*, *5*(3), 115–120.

## **Invited Talks and Conference Presentations**

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Martin, R.E. (October, 2016). *Neural Structures Supporting Regulation of Craving Across Development*. Talk presented at the New York Social and Affective Neuroscience Meeting, New York, NY.

Martin, R.E. (June, 2016). *Social Influence on Emotion in Adolescence and Adulthood*. Talk presented at the Sackler Institute for Developmental Neurobiology at Cornell Weill Medical College, New York, NY.

Martin, R.E., Weber, J., & Ochsner, K.N. (September, 2015). *Social Influence Shapes Neural and Behavioral Reactions to Emotional Scenes*. Talk presented at the New York Social and Affective Neuroscience Meeting, New York, NY.

Martin, R.E., & Ochsner, K.N. (September, 2014). *Peer feedback enhances food craving more for adolescents than adults*. Talk presented at the Flux Congress Annual Meeting, Los Angeles, CA.

Martin, R.E. (March, 2014). *I want what you want: social influence on food craving in adolescence*. Paper presented at the Society for Research on Adolescence Biennial Meeting, Austin, Tx.

## **Posters**

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Martin, R.E., Weber, J., & Ochsner, K.N. (2016, November). *Social influence shapes neural and behavioral responses to emotional scenes*. Poster session presented at the Society for Neuroscience 42<sup>nd</sup> Annual Meeting, San Diego, CA.

Martin, R.E., Silvers, J.A., Insel, C. Powers, A., Casey, B.J., Mischel, W., & Ochsner, K.N. (2016, September). *Lateral prefrontal cortex supports the relationship between age and regulation of craving*. Poster session presented at the Flux Congress Annual Meeting, St. Louis, MO.

Martin, R.E., & Ochsner, K.N. (2016, April). *Social influence shapes neural and behavioral reactions to emotional scenes*. Poster Session presented at the Cognitive Neuroscience Society 23<sup>rd</sup> Annual Meeting, New York, NY.

Martin, R.E., & Ochsner, K.N. (2015, May). *Social influence shapes neural and behavioral reactions to emotional scenes*. Poster Session presented at the Association for Psychological Science 27th Annual Convention, New York, NY.

Martin, R.E., & Ochsner, K.N. (2015, April). *I feel the same way: neural mechanisms underlying social influences on emotion*. Poster Session presented at the 8<sup>th</sup> Annual Social and Affective Neuroscience Meeting, Boston, MA.

Martin, R.E., Villanueva, Y., Goraya, S., Franz, P.J., & Ochsner, K.N. (2014, April). *The effect of social influence on emotional reactivity*. Poster Session presented at the Cognitive Neuroscience Society 21<sup>st</sup> Annual Meeting, Boston, MA.

Martin, R.E., Goraya, S., Villanueva, Y., & Ochsner, K.N. (2013, September). *Social regulation of craving for food in adolescence and adulthood*. Poster session presented at the inaugural Flux Congress Annual Meeting, Pittsburgh, PA.

Martin, R.E., Franz, P.J., & Ochsner, K.N. (2013, April). *Social influence regulates emotional reactivity*. Poster session presented at the Social and Affective Neuroscience Annual Meeting, San Francisco, CA.

Martin, R.E., Silvers, J.A., Insel, C. Powers, A., Mehta, N., Casey, B.J., Mischel, W., & Ochsner, K.N. (2012, October). *Development of ventral lateral and medial prefrontal cortex predicts emotional reactivity and regulation of appetitive food cues*. Poster session presented at the Society for Neuroscience 42<sup>nd</sup> Annual Meeting, New Orleans, LA.

Martin, R.E., Chatterjee, A.M., Gabrieli, J.D.E., & Sheridan, M.A. (2011, November). *The development of executive function in young children: an fMRI study*. Poster session presented at the Society for Neuroscience 41<sup>st</sup> Annual Meeting, Washington D.C.

Martin, R.E., Ofen, N., Chai, J. & Gabrieli, J.D.E. (2010, April). *Relationships between development, cortical thickness and source memory*. Poster Session presented at the Cognitive Neuroscience Society 18<sup>th</sup> Annual Meeting, San Francisco, CA.

## **Awards**

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Predocctoral NRSA Fellowship (F31 MH107119-01A1), *Social Influence on Emotion in Adolescence*, 2015-2017

Edward E. Smith Memorial Award in Cognitive Neuroscience, 2014

Faculty Fellowship, Columbia University, 2011-2012, 2013-2014

Leo Rubinstein Endowed Fellowship, 2012-2013

Columbia Psychology Department Travel Award 2011, 2013

Sackler Summer Institute at Cornell University Fellow, 2013

University of Maryland Summer Institute on Developmental Neuroscience Fellow, 2012

Harvard Graduate School of Education Class Commencement Marshal

Harvard Graduate School of Education Student Government Association Senator

UC Santa Cruz - only master's student to attain teaching assistant position in Evolution of Education course

New York University - Deans List and Scholarship five out of six terms

## **Professional Affiliations**

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Society for Neuroscience

Social and Affective Neuroscience Society

Cognitive Neuroscience Society

Society for Research in Child Development  
Society for Research in Adolescence  
Association for Psychological Science  
International Mind, Brain and Education Society

## **Research Experience**

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**Gabrieli Laboratory for Cognitive and Affective Neuroscience, MIT, Cambridge, MA (2008 - 2011)**

*Research Assistant*

**Bunge Cognitive Control & Development Lab, UC Berkeley, Berkeley, CA (Summer 2008)**

*Research Assistant*

## **Teaching Experience**

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**Columbia University, New York, NY (2011-2016)**

*Teaching Fellow, Department of Psychology*

Developmental Psychology, Tottenham (2015)

Experimental Psychology: Social Cognition and Emotion, Ochsner (2013)

Experimental Psychology: Social Cognition and Emotion, Ochsner (2014)

Memory and Stress, Metcalfe (2012)

Mind, Brain, and Behavior, Nautiyal (2011)

**Columbia University, New York, NY (2014, 2015, 2016)**

*Lead Instructor, Summer Programs for High School Students*

Science of Psychology

**Harvard University, Cambridge, MA (2009)**

*Senior Thesis Advisor, Mind, Brain, and Behavior Program*

**Berkeley High School, Berkeley, CA (2006-2008)**

*Teacher, Department of Humanities and Social Sciences*

Courses: United States History, Women's Studies, Sociology and Anthropology, Human Geography, World History, Ancient Civilizations

**University of California Santa Cruz, Santa Cruz, CA (2006)**

*Teaching Fellow, Department of Education*

Course: Evolution of Education.

**San Lorenzo Valley High School, Felton, CA (2006)**

**Aptos Junior High, Aptos, CA (2005)**

*Student Teacher*

Courses: United States History, World History, World History/Language Arts

**International School of the Peninsula, Palo Alto, CA (2005)**

*Substitute Teacher*

**Santa Clara Synchronized Swim Club, Santa Clara, CA (2003-2005)**

*Head Coach, Junior Age Group Team*

## **Public Outreach & Press Coverage**

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**Martin, R.E.** (2015, June). From molding minds to dissecting brains: Three lessons I have taken from the history classroom to the neuroscience lab.

*Bright – a Medium publication about innovation in education.* Retrieved from <https://medium.com/bright/from-molding-minds-to-dissecting-brains-b67413677510#.k0o25jqwq>

**Columbia University Neuroscience Outreach Group, New York, NY (2011-2016)**

*Volunteer Lecturer (Introduction to Neuroanatomy, Drugs and the Brain, Brain Imaging Methods), Middle and High School Curriculum Designer, World Science Festival Volunteer*

**The School at Columbia University Science Expo, New York, NY, (2012, 2014, 2016)**

*Designed cognitive neuroscience exhibits and presentations, volunteer*

## **Other Work Experience**

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**Google, Mountain View, CA (2004)**

*Advertising Operations Representative*

**DRAGONE Productions, San Francisco, CA (2004)**

*Talent Scout, Casting Assistant for Le Reve*

**Saturday Night Live, New York, NY (2002-2003)**

*Research and Production Intern*

**PR Consulting, New York, NY (2002-2003)**

*Public Relations and Production Intern*

**Olympic Synchronized Swimming Training Squad (2000)**

**United States National Team (1996-2001)**

*Athlete*