

Catherine Insel

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EDUCATION

- 2015—2019 Ph.D. Psychology, Harvard University
- 2013—2015 M.A. Psychology, Harvard University
- 2006—2010 B.A. Psychology, Columbia University

RESEARCH TRAINING

- 2019—present Postdoctoral research scientist, Columbia University
Advisor: Professor Daphna Shohamy
- 2013—2019 Graduate student research fellow, Harvard University
Advisor: Professor Leah Somerville
- 2015 Visiting research fellow, Leiden University
Advisor: Professor Eveline Crone
- 2010—2013 Lab manager and research assistant, Columbia University
Advisors: Professor Kevin Ochsner and Professor Edward Smith

FELLOWSHIPS & AWARDS

- 2020—2023 SBE Postdoctoral Research Fellowship, National Science Foundation
- 2019 Dissertation Award, Flux Society
- 2019 Travel Award, Flux Society
- 2016—2017 Stipend Award, Sackler Scholar Programme in Psychobiology
- 2013—2016 Graduate Research Fellowship, National Science Foundation
- 2015 Graduate Research Opportunities Worldwide (GROW) Fellowship, National Science Foundation
- 2015 Fellow, Summer Institute in Cognitive Neuroscience, UCSB
- 2013 Fellow, Summer Institute for Developmental Neuroscience, WCMC
- 2012 Poster Award, Social and Affective Neuroscience Society

RESEARCH FUNDING

- 2019—2021 Pershing Square Fund for Research on the Foundations of Human Behavior Research Award, Harvard University
Charting the computational foundations of goal-directed learning across adolescence
Role: Principal Investigator
Amount awarded: \$5,000
- 2018 Sackler Scholar Programme in Psychobiology Research Award
Neurodevelopmental markers of self control vulnerabilities during adolescence
Role: Principal Investigator
Amount awarded: \$12,800
- 2018 Talley Fund Research Award, Harvard University
Role: Principal Investigator
Amount awarded: \$3,500
- 2017 Norman Anderson Fund Research Award, Harvard University
Role: Principal Investigator
Amount awarded: \$3,500
- 2015—2016 Harvard Catalyst: Addressing Mental Health in the Second Decade of Life Through Translational Lifecourse Research Pilot Grant
Quantifying reinforcement learning deficits in adolescent depression: A computational imaging study
Role: Co-Principal Investigator (with Leah Somerville)
Amount awarded: \$72,549
- 2013—2014 Stimson Fund Research Grant, Harvard University
Role: Principal Investigator
Amount awarded: \$1,000

PUBLICATIONS

* *denotes equal contribution*

Rodman, A., Powers, K., Insel, C., Kastman, E., Kabotyanski, K., Stark, A., Worthington, S., & Somerville, L. (in press). How adolescents and adults translate value to action: Age-related shifts in strategic physical effort exertion for monetary rewards. *Journal of Experimental Psychology: General*.

Insel, C., Davidow, J. Y., & Somerville, L. H. (2020). Neurodevelopmental processes that shape the emergence of value-guided goal directed behavior. *The Cognitive Neurosciences VI* (Poeppe, Mangun, & Gazzaniga Eds.).

Insel, C., Charifson, M., & Somerville, L. H. (2019). Neurodevelopmental shifts in learned value transfer on cognitive control during adolescence. *Developmental Cognitive Neuroscience*, 100730.

Martin, R.E., Silvers, J.A., Hardi, F., Stephano, T., Helion, C., Insel, C., Franz, P.J., Ninova, E., Lander, J.P., Mischel, W., Casey, B.J., & Ochsner, K.N. (2019). Longitudinal changes in brain structures related to appetitive reactivity and regulation across development. *Developmental Cognitive Neuroscience*, 38, 100675.

Insel, C.*, Glenn, C. R.*, Nock, M. K., & Somerville, L. H. (2019). Aberrant striatal tracking of reward magnitude in youth with current or past-year depression. *Journal of abnormal psychology*, 128(1), 44.

Kearns, J. C.*, Coppersmith, D. D. L.*, Santee, A. C., Insel, C., Pigeon, W. R., & Glenn, C. R. (2018). Sleep problems and suicide risk in youth: A systematic review, developmental framework, and implications for hospital treatment. *General Hospital Psychiatry*.

Insel, C. & Somerville, L. H. (2018). Asymmetric neural tracking of gain and loss magnitude during adolescence. *Social cognitive and affective neuroscience*, 13(8), 785-796.

Davidow, J.*, Insel, C.*, & Somerville, L. H. (2018). Adolescent development of value-guided goal pursuit. *Trends in Cognitive Sciences*, 22(8), 725-736.

Lee, N. C.*, Weeda, W. D.*, Insel, C., Krabbendam, L., Somerville, L. H., & Huizinga, M. (2018). The influence of emotional cues on cognitive control in high and low risk-taking adolescents. *Developmental Cognitive Neuroscience*, 31, 20-34.

Insel C., Kastman E. K., Glenn C. R., & Somerville, L. H. (2017). Development of corticostriatal connectivity constrains goal directed behavior during adolescence. *Nature Communications*, 8, 1605.

Somerville, L. H., Sasse, S. F., Garrad, M. C., Drysdale, A. T., Akar, N. A., Insel, C., & Wilson, R. C. (2017). Charting the expansion of strategic exploratory behavior during adolescence. *Journal of Experimental Psychology: General*, 146(2), 155.

Silvers, J. A., Insel, C., Powers, A., Franz, P., Helion, C., Weber, J., Casey, B. J., Mischel, W., & 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, 25, 128-137.

Silvers, J. A., Insel, C., Powers, A., Franz, P., Helion, C., Weber, J., Casey, B. J., Mischel, W., & Ochsner, K. N. (2016). vIPFC-vmPFC-amygdala circuit underlies age-related differences in cognitive regulation of emotion. *Cerebral Cortex* 27(7), 3502-3514.

Silvers, J. A., Insel, C., Powers, A., Franz, P., Weber, J., Casey, B. J., Mischel, W., & Ochsner, K. N. (2014). Curbing craving: Behavioral and brain evidence that children regulate craving when instructed to do so but have higher baseline craving than adults. *Psychological Science*, 25(10), 1932-1942.

Insel, C., Reinen, J., Weber, J., Wager, T. D., Jarskog, L. F., Shohamy, D., & Smith, E. E. (2014). Antipsychotic dose modulates behavioral and neural responses to feedback during reinforcement learning in schizophrenia. *Cognitive, Affective, & Behavioral Neuroscience*, 14(1), 189-201.

Reinen, J., Smith, E. E., Insel, C., Kribs, R., Shohamy, D., Wager, T. D., & Jarskog, L. F. (2014). Patients with schizophrenia are impaired when learning in the context of pursuing rewards. *Schizophrenia Research*, 152(1), 309.

Eich, T. S., Nee, D. E., Insel, C., Malapani, C., & Smith, E. E. (2013). Neural correlates of impaired cognitive control over working memory in schizophrenia. *Biological Psychiatry*, 76(2), 146-153.

MANUSCRIPTS UNDER REVIEW & IN PREPARATION

Helion, C., Silvers, J. A., Powers, A., Dreyfuss, M., Jacoby, N., Insel, C., Martin, R., Weber, J., Mischel, W., Casey, B. J., & Ochsner, K. N. (under revision). Comparing strategies for regulating negative emotions across development.

Insel, C. & Somerville, L. H. (in preparation) Value-based prioritization of reinforcement learning during adolescence: brain and behavioral asymmetries emerge with age for gain and loss learning

Davidow, J. Y., Bhui, R., Brandt, A. M., Insel, C., & Somerville, L. H. (in preparation). Attenuated Pavlovian learning biases in adolescence promote better instrumental learning and future flexibility.

INVITED ACADEMIC TALKS

2020 Tottenham Lab, Columbia University, New York, NY

2019 Special Lecture Series, Columbia University School of Professional Studies, New York, NY

- 2019 Center for Cognitive and Behavioral Brain Imaging, The Ohio State University, Columbus, Ohio
- 2018 Harvard Women in Psychology, Harvard University, Cambridge, MA
- 2018 Learning Lab, Columbia University, New York, NY
- 2018 Hartley Lab, NYU, New York, NY
- 2017 Saxe Lab and Schulz Lab, MIT, Cambridge, MA
- 2017 Cognition, Brain and Behavior Seminar, Harvard University, Cambridge, MA
- 2016 Youth Risk and Resilience Lab, University of Rochester, Rochester, NY
- 2016 Center for Law, Brain, and Behavior, New York, NY
- 2016 Cognition, Brain and Behavior Seminar, Harvard University, Cambridge, MA
- 2016 Morality Lab, Boston College, Boston, MA
- 2015 Brain and Development Lab, Leiden University, Leiden, NL
- 2015 Nock Lab, Harvard University, Cambridge, MA

CONFERENCE TALKS

Insel, C., Prater Fahey, M., & Somerville, L. H. (2019). Brain and behavioral asymmetries for gain and loss learning emerge with age during adolescence. Flux Developmental Neuroscience Society (New York, NY).

Insel, C. & Somerville, L. H. (2018) Adolescents shifts in high stakes reinforcement learning. New England Researchers in Decision Making: Cambridge, MA.

Insel, C. & Somerville, L. H. (2018) Development of corticostriatal connectivity constrains goal directed behavior during adolescence. *Symposium Chair*. Association for Psychological Science: San Francisco, CA.

Insel, C. & Somerville, L. H. (2017) Developmental Emergence of Corticostriatal Connectivity Mediates Selective Improvements in Cognitive Control Under High Stakes. Society for Research in Child Development: Austin, TX.

Insel, C., Glenn, C. R., Kastman, E. K., Sasse, S. F., Garrad, M. C., Nock, M., & Somerville, L. H. (2015). High stakes rewards and punishments induce "choking" behavior in adolescent reactive cognitive control: Behavioral evidence and frontostriatal mechanisms. VNOP-ISED-CAS Research Days Conference: Leiden, The

Netherlands.

CONFERENCE PRESENTATIONS & POSTERS

Insel, C., Prater Fahey, M., & Somerville, L. H. (2019). Brain and behavioral asymmetries for gain and loss learning emerge with age during adolescence. Flux Developmental Neuroscience Society (New York, NY).

Davidow, J. Y., Bhui, R. B., Insel, C., Brandt, A. M., & Somerville L. H. (2019). Individual differences in Pavlovian interference on reinforcement learning relates to better subsequent inhibitory control. Social & Affective Neuroscience Society (Miami, FL).

Insel, C., Charifson, M., Falcone, G., & Somerville, L. H. (2019). High value reward associations selectively improve subsequent cognitive control: Adolescent emergence of value-based transfer and neurodevelopmental mechanisms. Social & Affective Neuroscience Society (Miami, FL).

Insel, C., Prater Fahey, M., Charifson, M., Falcone, G., & Somerville, L. H. (2018). Asymmetric effects of high stakes on reinforcement learning across adolescence. Flux Developmental Neuroscience Society (Berlin, Germany).

Davidow, J. Y., Bhui, R. B., Insel, C., Brandt, A. M., Stark, A. M., Kabotyanski, K. E., & Somerville L. H. (2018). Attenuated Pavlovian learning biases in adolescence. Talk at Flux Developmental Neuroscience Society (Berlin, Germany).

Insel C., Charifson M., Prater Fahey M., Falcone G. & Somerville L. H. (2018). When high stakes help: developmental shifts in reinforcement learning from gains and losses. Social & Affective Neuroscience Society (Brooklyn, NY).

Prater Fahey M., Insel C., Charifson M., Falcone G. & Somerville L. H. (2018). High stakes enhance reinforcement learning. Social & Affective Neuroscience Society (Brooklyn, NY).

Davidow J. Y., Bhui R. B., Insel C., Brandt A. M., Stark A M., Kabotyanski K. E., & Somerville L. H. (2018). Attenuated pavlovian learning bias in adolescence. Social & Affective Neuroscience Society (Brooklyn, NY).

Insel C., Kastman E. K., Glenn C. R., & Somerville L. H. (2017). Corticostriatal circuit development constrains goal directed behavior through adolescence. Flux Developmental Neuroscience Society (Portland, OR).

Davidow J. Y., Insel C., Romero M., Zhang J., & Somerville L. H. (2017). Twice as nice: Learning benefits from valence and action during adolescence. Flux Developmental Neuroscience Society (Portland, OR).

Lee, N. C., Weeda, W. D., Insel, C., Somerville, L. H., Krabbendam, L., & Huizinga, M. (2017). Neural substrates of the influence of emotional cues on cognitive control in risk-taking adolescents. Organization for Human Brain Mapping Society: Vancouver, Canada.

Insel, C., Charifson, M., Falcone, G., Somerville, L. H. (2017). High stakes accelerate reinforcement learning. Social and Affective Neuroscience Society: Los Angeles, CA.

Helion, C., Silvers, J. A., Powers, A., Dreyfuss, M., Insel, C., Weber, J., Mischel, W., Casey, B. J., & Ochsner, K. N. (2016). The development of cognitive control when regulating and inhibiting responses to negative social stimuli. New York Affective and Social Neuroscience Meeting: New York, NY.

Insel C., Kastman E. K., Glenn C. R., Sasse S. F., Garrad M. C., & Somerville L. H. (2016). Developmental emergence of frontostriatal connectivity mediates flexible upregulation of cognitive control under high stakes. Society for Neuroscience: San Diego, CA.

Insel C., Glenn C. R., Kastman E. K., Garrad M. C., Sasse S. F., & Somerville L. H. (2016). Developmental emergence of frontostriatal connectivity mediates flexible upregulation of cognitive control under high stakes. Flux Developmental Neuroscience Society: St. Louis, Missouri.

Garrad, M., Sasse, S. F., Drysdale, A., Abi Akar, N., Insel, C., Wilson, R., Somerville, L. H. (2016). Exploratory decision making becomes more strategic through adolescence. Flux Developmental Neuroscience Society: St. Louis, Missouri.

Kastman, E. K., Skwara, A. C., Insel, C., Rodman, A. M., Sasse, S. F., Somerville, L. H. (2016) The effects of uncertainty on concurrent information processing from late childhood to adulthood. Flux Developmental Neuroscience Society: St. Louis, Missouri.

Martin, R. E., Silvers, J. A., Stephano, T., Insel, C., Powers, A., Franz, P., Mischel, W., Casey, B. J., Ochsner, K. N. (2016). Lateral prefrontal cortical thickness mediates the relationship between age and regulation of craving. Flux Developmental Neuroscience Society: St. Louis, Missouri.

Insel C., Glenn C. R., Kastman E. K., Sasse S. F., Garrad M. C., Nock M., & Somerville L. H. (2016). Recruitment of prefrontal control regions during high stakes incentives predicts persistent improvements in cognitive control. Social and Affective Neuroscience Society Conference: New York, NY.

Insel C., Glenn C. R., Kastman E. K., Sasse S. F., Garrad M. C., Nock M., & Somerville L. H. (2015). High stakes rewards and punishments induce "choking" behavior in adolescent reactive cognitive control: Behavioral evidence and frontostriatal mechanisms. Flux Developmental Neuroscience Society: Leiden, The Netherlands.

Rodman A. M., Insel C., Skwara A. C., Kastman E. K., Sasse S. F., & Somerville L. H. (2015). Adolescents show reduced cognitive interference in response to unpredictable cues. Flux Developmental Neuroscience Society: Leiden, The Netherlands.

Insel C., Glenn, C. R., Kastman, E. K., Garrad, M. C., Sasse, S. F., Nock, M. K., & Somerville, L. H. (2015). Immediate and lasting affects of high reward prospects on cognitive control. Association for Psychological Science: New York, NY.

Rodman A. M., Insel C., Skwara A. C., Kastman E. K., Sasse S. F., & Somerville L. H. (2015). Reduced cognitive interference by temporal uncertainty in adolescence. Association for Psychological Science: New York, NY.

Insel C., Glenn, C. R., Kastman, E. K., Garrad, M. C., Sasse, S. F., Nock, M. K., & Somerville, L. H. (2015). Immediate and lasting affects of high reward prospects on cognitive control. Social and Affective Neuroscience Society: Boston, MA.

Rodman A. M., Insel C., Skwara A. C., Kastman E. K., Sasse S. F., & Somerville L. H. (2015). Reduced cognitive interference by temporal uncertainty in adolescence. Social and Affective Neuroscience Society: Boston, MA.

Franz P., Silvers J., Insel C., Ninova E. M., Shah I., Casey B. J., Mischel W., Ochsner K. (2015). Family income predicts neural correlates of uninstructed emotional responding. Social and Affective Neuroscience Society: Boston, MA.

Franz P., Silvers J., Insel C., Powers A., Casey B. J., Mischel W., Ochsner, K. (2014). Socioeconomic status predicts the neural bases of cognitive regulation of emotion. Society for Neuroscience: Washington, D. C.

Insel C., Rodman A. M., Skwara A. C., Kastman E. K., Sasse S. F., & Somerville L. H. (2014). Adolescents show unique behavioral and neural responses to unpredictable positive cues. Flux Developmental Neuroscience Society: Hollywood, CA.

Franz P., Silvers J., Insel C., Dolan T., Powers A., Pedersen G., Dellarco D., Casey B. J., Mischel W., Ochsner, K. (2014). Fundamental competencies predict the neural bases of emotion regulation in youth. Flux Developmental Neuroscience Society: Hollywood, CA.

Lee N. C., Weeda W. D., Insel, C., Versteeg, M., Somerville, L. H., Krabbendam, L., Huizinga, M. (2014). Approach or avoid? The role of emotional information on cognitive control during adolescence. Flux Developmental Neuroscience Society: Hollywood, CA.

Rodman A. M., Insel C., Skwara A. C., Kastman E. K., Sasse S. F., & Somerville L. H. (2014). Temporal uncertainty differentially impacts concurrent task performance across development. Flux Developmental Neuroscience Society: Hollywood, CA.

Silvers J. A., Insel C., Powers A., Franz P., Weber J., Mischel W., Casey B. J., Ochsner K. N. (2014) Different prefrontal-subcortical circuits support chronic and strategic emotion regulation across development. Flux Developmental Neuroscience Society: Hollywood, CA.

Somerville L. H., Insel C., Kastman E. K., Rodman A., Sasse S. F., Swkara A. C. (2014) Sustained affective processes: Neural mechanisms and developmental trajectories. Society for Research and Psychopathology: Chicago, IL.

Silvers J. A., Insel C., Powers A., Franz P., Helion C., Woo T. T., Pedersen G., Dellarco D., Weber J., Casey B. J., Mischel W., & Ochsner K. N. (2014) Cognitive regulation of negative affect in childhood, adolescence, and young adulthood. Society for Affective Science's Inaugural Conference: Washington, D. C.

Insel C., Skwara, A. C., Sasse, S. F., Kastman, E., Somerville, L. (2014). Heightened influence of unpredictability on emotional interference and striatal response to positive stimuli in adolescents. Social and Affective Neuroscience Society: Denver, CO.

Silvers J. A., Insel C., Powers A., Franz P., Helion C., Teslovich Woo T., Pedersen G., Dellarco D., Weber J., Casey B. J., Mischel W., Ochsner K. (2014) Cognitive regulation of negative affect across childhood, adolescence and young adulthood. Cognitive Neuroscience Society: Boston, MA.

Teslovich Woo, T., Powers, A., Helion, C., Insel, C., Silvers, J. A., Ochsner, K. N., Mischel, W., Casey, B. J. (2014). Behavioral and neural substrates of self-control. Cognitive Neuroscience Society: Boston, MA.

Insel, C., Silvers, J. A., Powers, A., Helion, C., Teslovich, T., Weber, J., Casey, B. J., Mischel, W., Ochsner, K. N. (2013). Neural correlates underlying dynamic changes in food craving and the cognitive reappraisal of appetitive cues in children and adolescents. Society for Neuroscience: San Diego, CA.

Silvers, J. A., Insel, C., Powers, A., Teslovich, T., Helion, C., Weber, J., Casey, B. J., Mischel, W., Ochsner, K. N. (2013). Neural links between the ability to delay gratification and regulation of craving in childhood. Society for Neuroscience: San Diego, CA.

Teslovich T., Powers A., Helion C., Insel C., Silvers J. A., Ochsner K. N., Mischel W., Casey, B. J. (2013). Behavioral and neural substrates of self-control. Society for Neuroscience: San Diego, CA.

Reinen, J. M., Insel, C., Wager, T. D., Shohamy, D., Smith, E. E. (2013). Dissociations in reward-related activation during informative and affective feedback. Reinforcement Learning and Decision Making: Princeton, NJ.

Silvers J. A., Insel C., Powers A., Casey B. J., Mischel W., & Ochsner K. N. (2013). Brain and behavior underlying regulation of craving in childhood development. Association for Psychological Science: Washington, DC.

Silvers JA, Insel C, Powers A, Casey BJ, Mischel W, Ochsner KN (2013). Behavioral and neural bases of regulation of craving for food in childhood and adolescence. Society for Research in Child Development: Seattle, WA.

Reinen J, Insel C, Zenisek S, Wager TD, Shohamy D (2013). Dissociations in reward network activation while learning from cognitive versus hedonic feedback. Cognitive Neuroscience Society: San Francisco, CA.

Insel C, Silvers JA, Powers A, Casey BJ, Mischel W, Ochsner KN (2013). Neural bases of cognitive regulation of food craving during childhood and adolescence. Social and Affective Neuroscience Society: San Francisco, CA.

Reinen J, Insel C, Wager TD, Shohamy D (2013). Dissociations in reward network activation while learning from cognitive versus affective feedback. Social and Affective Neuroscience Society: San Francisco, CA.

Insel C, Silvers JA, Powers A, Mehta N, Casey BJ, Mischel W, Ochsner KN (2012). Neural correlates underlying cognitive regulation of appetitive responses to food during childhood and adolescence. Society for Neuroscience: New Orleans, LA.

Martin RE, Silvers JA, Insel C, Powers A, Mehta N, Casey BJ, Mischel W, Ochsner KN (2012). Development of ventral lateral and medial prefrontal cortex predicts emotional reactivity and regulation of appetitive food cues. Society for Neuroscience: New Orleans, LA.

Reinen JM, Wager T, Shohamy D, Insel C, Daw N, Jarskog LF, Smith EE (2012). Blunted learning signals in the brain's reward network is related to affective and motivational deficits in patients with schizophrenia. Society for Neuroscience: New Orleans, LA.

Insel C, Reinen JM, Shohamy D, Wager TD, Jarskog LF, Weber J, Smith EE (2012). Neural correlates underlying the effects of atypical antipsychotic treatment on reinforcement learning in schizophrenia. Society of Biological Psychiatry: Philadelphia, PA.

Reinen JM, Insel C, Zenisek SFM, Close MS, Shohamy D, Jarskog LF, Wager T, Smith EE (2012). Brain responses during reward anticipation versus receipt in gain and loss learning in Schizophrenia. Society of Biological Psychiatry : Philadelphia, PA.

Insel C, Silvers JA, Porter N, Shu J, Powers A, Mehta N, Casey BJ, Mischel W, Ochsner KN (2012). Neural correlates of appetitive regulation of food craving across

development. Social and Affective Neuroscience Society: New York, NY.
Recipient of SANS poster prize.

Insel C, Reinen JM, Shohamy D, Wager TD, Jarskog LF, Weber J, Zenisek SFM, Smith EE (2012). Effects of atypical antipsychotic medication on reward learning in schizophrenia. Cognitive Neuroscience Society: Chicago, IL.

Reinen JM, Insel C, Zenisek SFM, Close MS, Shohamy D, Jarskog LF, Wager T, Smith EE (2012). Brain responses during anticipation versus outcome in gain and loss learning in schizophrenia. Cognitive Neuroscience Society: Chicago, IL.

Eich TS, Nee DN, Insel C, Malapani C, Smith EE (2012). Neural correlates of impaired control over working memory in schizophrenia. Cognitive Neuroscience Society: Chicago, IL.

Reinen JM, Shohamy D, Jarskog LF, Wager TD, Insel C, Kribs RJ, Lee A, Smith EE (2011). Neural responses to reward anticipation and reward receipt during learning in schizophrenia. Society for Neuroscience: Washington, DC.

Reinen J. M., Jarskog L. F., Kribs R. J., Insel C., Rosenfeld A., Wager T., Shohamy D., Smith, E. E. (2011). Anticipation and hedonic reaction to rewards versus losses in schizophrenia. University of Colorado at Boulder Executive Function and Emotion Conference: Boulder, CO.

Smith E. E., Reinen J. M., Kribs R. J., Insel C., Rosenfeld A., Wager T., Shohamy D., Jarskog L. F. (2011). Anticipation and hedonic reaction to rewards versus losses in schizophrenia. World Congress of Psychiatry: Buenos Aires, Argentina.

Reinen J. M., Jarskog L. F., Kribs R. J., Insel C., Rosenfeld A., Wager T., Shohamy D., Smith E. E. (2011). Anticipation and hedonic reaction to rewards versus losses in schizophrenia. Cognitive Neuroscience Society: San Diego, CA.

PEER REVIEW

Ad Hoc

- Biological Psychiatry
- Biological Psychiatry: Cognitive Neuroscience and Neuroimaging
- Brain Imaging and Behavior
- Cognitive Affective and Behavioral Neuroscience
- Developmental Cognitive Neuroscience
- Social Cognitive and Affective Neuroscience

With Leah Somerville

- Current Directions in Psychological Science
- Developmental Science
- Neuroimage
- PNAS

PROFESSIONAL MEMBERSHIPS

- Association for Psychological Science
- Cognitive Neuroscience Society
- Flux Congress for Integrative Developmental Cognitive Neuroscience
- Social and Affective Neuroscience Society
- Society for Neuroscience
- Society for Research in Child Development

SKILLS

- Data analysis and scripting with Excel, SPSS, Matlab, R, Python
- Experimental design in E-prime, Matlab/PsychToolbox, and Psychopy
- Neuroimaging analysis with Freesurfer, FSL, NeuroElf, Nipype (Lyman), SPM
- Cognitive testing and scoring (WASI, WISC)
- Clinical interviewing (SCID, K-SADS, MINI-KID, SANS, SAPS, BPRS)

TEACHING AND MENTORING

2019	Instructor, Columbia School of Professional Studies Science of Psychology
2019	Guest Lecturer, Columbia School of Professional Studies Mind and Markets: Finance, Economics, and Psychology
2018	Teaching Fellow, Harvard University Introduction to Statistics for the Behavioral Sciences
2016—2018	Statistics Consultant Teaching Fellow, Harvard University Senior Tutorial: Honors Thesis in Psychology
2017—2018	Guest Lecturer, Harvard Law School Law and Neuroscience
2016	Teaching Fellow, Harvard University Social Psychology
2013—present	Undergraduate and graduate research assistant advisor Students supervised: Kristen Osborne*, Chiemeka Ezie, Mia Charifson*, Cony Vidal Bustamante*, Gina Falcone * <i>thesis student</i>

SCIENTIFIC OUTREACH AND VOLUNTEER ACTIVITIES

2020	Scientist Q&A, Teacher-Scholar Program, Columbia University
2010—present	Middle and high school student education: Developed curriculum and led educational workshops for middle and high school

students on neuroanatomy and cognitive and affective neuroscience. Conducted multiple workshops with outreach to >300 students across many schools in New York City and Boston.

- 2013—present Teacher education and professional development: Conducted presentations and seminars about adolescent development with >100 teachers from 25 different schools through professional development workshops in Boston.
- 2013 Mentor and 2nd grade science teacher, Science Club for Girls
- 2010—2013 Team leader and mentor for undergraduate students pursuing careers in scientific research, Columbia College Women
- 2010—2012 Volunteer, Neural Connections program on the Neurology unit at New York Presbyterian Hospital/ Weill Cornell Medical Center
- 2009—2010 Health teacher for middle school students, Health Education Awareness League at Columbia University
- 2007—2010 Tutor and mentor for middle and high school students, Double Discovery Center at Columbia University