

Rebecca Saxe

Academic Positions

2011 - present	MIT, Brain and Cognitive Sciences	Associate Professor
2006 - 2011	MIT, Brain and Cognitive Sciences	Assistant Professor
2003 - 2006	Harvard University, Society of Fellows	Junior Fellow

Degrees and Education

2000 - 2003	MIT, Cambridge MA PhD in Cognitive Science, Best Thesis Award
1997 - 2000	Oriel College, Oxford University, Oxford, UK BA in Psychology and Philosophy, Congratulatory First

Awards

2014	National Academy of Sciences Troland Award
2012	Chosen as a World Economic Forum Young Global Leader
2011	Doc Edgerton Junior Faculty Achievement award, MIT
2010	Young Investigator Award, Society for Experimental Psychology
2010	School of Science Prize for Undergraduate Teaching, MIT
2009	American Psychological Association Robert L. Fantz Award for Young Psychologists
2009	BCS Award for Excellence in Undergraduate Teaching, MIT
2008	Cognitive Neuroscience Society Young Investigator Award
2008	Popular Science "Brilliant 10" scientists under 40.
2006	Kavli Fellow, National Academy of Sciences, Frontiers of Science
2004	MIT Department of Brain and Cognitive Sciences Outstanding Thesis award
2002	Angus MacDonald Award for Excellence in Undergraduate Teaching, BCS, MIT
2000	Best performance, Honour School of Psychology, Philosophy and Physiology, Oxford

Impact

http://en.wikipedia.org/wiki/Rebecca_Saxe

2012 Scientific American profile: <http://www.nature.com/scientificamerican/journal/v307/n6/full/scientificamerican1212-74.html>

2009 TED talk (currently 2.1 million views, translated into 31 languages)

Total: Citations: 6754; h-index: 39, i10-index: 68; Research Support: >\$5.8 million

Since 2009: Citations: 5483; h-index: 38; i10-index: 67; New Research Support: >\$2.9 million

Publications - Edited Book

Saxe R, Baron-Cohen S (2007) *Theory of Mind*. Psychology Press.

Publications — Journal Articles

1. Koster-Hale J, Bedny M, Saxe R (in press) Thinking about Seeing: perceptual sources of knowledge are encoded similarly in the theory of mind brain regions of sighted and blind adults. *Cognition*.
2. Cikara M, Jenkins A, Dufour N, Saxe R (in press) Reduced self-referential neural response during intergroup competition predicts competitor harm. *Neuroimage*.
3. Koldewyn K, Yendiki A, Weigelt S, Gweon H, Julian J, Richardson H, Mallow C, Saxe R, Fischl B, & Kanwisher, N. (in press). Differences in the right inferior longitudinal fasciculus but no general disruption of white matter tracts in children with autism spectrum disorder. *PNAS*
4. Andrews-Hanna JR., Saxe R, Yarkoni T. (in press). Contributions of episodic retrieval and mentalizing to autobiographical thought: Evidence from functional neuroimaging, resting-state connectivity, and fMRI meta-analyses. *NeuroImage*.
5. Koster-Hale J, Saxe R (2013) Theory of Mind: a neural prediction problem. *Neuron*. 79:836-848
6. Dufour N, Redcay E, Young L, Mavros PL, Moran JM, Triantafyllou C, Gabrieli JDE, Saxe R (2013) Similar brain activation during false belief tasks in a large sample of adults with and without Autism. *PLoSOne* 8(9): e75468.
7. Bedny M, Dravida S, Saxe R (in press) Shindigs, Brunches, and Rodeos: The Neural Basis of Event Words. *Cognitive, Affective, and Behavioral Neuroscience*
8. Dravida S, Saxe R, Bedny M (2013) People can understand descriptions of motion without activating visual motion brain regions. *Frontiers in language sciences*. 4:537
9. Koster-Hale J, Saxe R, Dungan J, Young LY (2013). Decoding moral judgements from neural representations of intentions. *PNAS*. 110(14): 5648–5653
10. Bruneau E, Dufour N, Saxe R (2013) How We Know It Hurts: Item Analysis of Written Narratives Reveals Distinct Neural Responses to Others' Physical Pain and Emotional Suffering. *PLoSOne*. 8(4): e63085. doi:10.1371/journal.pone.0063085
11. Gibson E, Piantadosi S, Brink K, Bergen L, Lim E, Saxe R (2013) A noisy-channel account of cross-linguistic word order variation. *Psychological Science*. 24:1079-1088
12. Redcay E, Kleiner M, Saxe R (2012) Look at this: the neural correlates of initiating and responding to bids for joint attention. *Frontiers in Neuroscience* 6:1-14
13. Bruneau E, Saxe R (2012) The power of being heard: the benefits of 'perspective-giving' in the context of intergroup conflict. *Journal of Experimental Social Psychology* 48(4): 855–866
14. Redcay E, Dodell-Feder D, Mavros PL, Kleiner M, Pearrow M, Triantafyllou C, Gabrieli J, Saxe R (2013) Atypical brain activation patterns during a face-to-face joint attention game in adults with autism spectrum disorder. *Human Brain Mapping*. 34(10):2511-23

15. Bedny M, Pascual-Leone A, Dravida S, Saxe R (2012) A sensitive period for language in the visual cortex: Distinct patterns of plasticity in congenitally versus late blind adults. *Brain and Language*. 122(3):162-70.
16. Bedny M, Saxe R (2012) Insights into the origins of knowledge from the cognitive neuroscience of blindness. *Cognitive Neuropsychology*. 29(1-2):56-84.
17. Dungan J, Saxe R (2012) Matched False-Belief Performance During Verbal and Nonverbal Interference. *Cognitive Science*. 36(6):1148-56
18. Gweon H, Dodell-Feder D, Bedny M, Saxe R (2012) Theory of Mind performance in children correlates with functional specialization of brain regions recruited for thinking about thoughts. *Child Development*. 83(6):1853-68
19. Frank MC, Vul E, Saxe R. (2012). Measuring the Development of Social Attention Using Free-Viewing. *Infancy*. 17(4):355-75
20. Balas, B., Kanwisher, N., Saxe, R.(2012) Thin-slice perception develops slowly. *Journal of Experimental Child Psychology*. 112(2):257-264
21. Bruneau E, Dufour N, Saxe R (2012) Social cognition in members of conflict groups: behavioural and neural responses in Arabs, Israelis and South Americans to each other's misfortunes. *Philos Trans R Soc Lond B Biol Sci*. 367(1589):717-30
22. Frank M, Fedorenko E, Lai P, Saxe R, Gibson E (2012) Verbal interference suppresses exact numerical representation. *Cognitive Psychology* 64(1-2):74-92
23. Bruneau E, Pluta A, Saxe R (2012) Distinct roles of the 'Shared Pain' and 'Theory of Mind' networks in processing others' emotional suffering. *Neuropsychologia* 50(2): 219-31
24. Bedny M, Caramazza A, Pascual-Leone A, Saxe R. (2012) Typical neural representations of action verbs develop without vision. *Cerebral Cortex*. 22(2): 286-293
25. Saygin Z, Osher DE, Koldewyn K, Reynolds G, Gabrieli JDE, Saxe R (2011) Anatomical connectivity patterns predict face-selectivity in the fusiform gyrus. *Nature Neuroscience*. 15(2):321-7
26. Pitcher D, Dilks D, Saxe R, Triantafyllou C, Kanwisher N (2011) Differential selectivity for dynamic versus static information in face-selective cortical regions. *Neuroimage*. 56(4):2356-63
27. Cikara M, Bruneau E, Saxe R (2011) Us and Them: Intergroup failures of empathy. *Current Directions in Psychological Science*. 20(3):149-53
28. Young, L., Saxe, R. (2011). When ignorance is no excuse: Different roles for intent across moral domains. *Cognition*. 120(2) 149-298.
29. Bedny M, Pascual-Leone A, Dodell-Feder D, Fedorenko E, Saxe R. (2011) Language processing in the occipital cortex of congenitally blind adults. *PNAS*. 108(11): 4429-4434
30. Dodell-Feder D, Koster-Hale J, Bedny M, Saxe R (2011) fMRI item analysis in a theory of mind task. *Neuroimage*. 55(2), 705-12

31. Moran JM, Young L, Saxe R., Lee SM, O'Young D, Mavros P, Gabrieli J (2011). Impaired theory of mind for moral judgement in high-functioning autism. *PNAS*. 108(7) 2688-2692
32. Whitfield-Gabrieli S, Moran JM, Nieto-Castanon A, Triantafyllou C, Saxe R, Gabrieli J (2011) Associations and dissociations between default and self-reference networks in the human brain. *Neuroimage*. 55(1) 225-32
33. Young L, Scholz J, Saxe R (2011) Neural evidence for “intuitive prosecution”: the use of mental state information for negative moral verdicts. *Social Neuroscience*.
34. Bedny M, Konkle T, Pelphrey K, Saxe R, Pascual-Leone A (2010) Sensitive period for a multi-modal response in human MT/MST. *Current Biology*. 20(21), 1900-6
35. Bruneau E, Saxe R (2010) Attitudes towards the outgroup are predicted by activity in the precuneus in Arabs and Israelis. *Neuroimage*. 52(4), 1704-11
36. Young L, Dodell-Feder D, Saxe R. (2010). What gets the attention of the temporo-parietal junction? An fMRI investigation of attention and theory of mind. *Neuropsychologia* 48, 2658–64
37. Young L, Camprodon JA, Hauser M, Pascual-Leone A, Saxe R (2010) Disruption of the right temporo-parietal junction with transcranial magnetic stimulation reduces the role of beliefs in moral judgments. *PNAS*, 107(15), 6753-8
38. Redcay E, Dodell-Feder D, PEARROW MJ, Mavros PL, Kleiner M, Gabrieli JDE, Saxe R (2010) Live face-to-face interaction during fMRI: A new tool for social cognitive neuroscience. *NeuroImage*. 50(4), 1639-1647
39. Young L, Nichols S, Saxe R (2010) Investigating the neural and cognitive basis of moral luck: It's not what you do but what you know. *Review of Philosophy and Psychology*.
40. Baraff-Bonawitz E, Ferranti D, Saxe R, Gopnik A, Meltzoff AN, Woodward J, Schulz LE (2010) Just do it? Investigating the gap between prediction and action in children's causal inferences. *Cognition*. 115, 104-117
41. Baker CI, Saxe R, Tenenbaum JB (2009) Action understanding as inverse planning. *Cognition* 113(3):329-49
42. Saxe R, Whitfield-Gabrieli S, Scholz J, Pelphrey K. (2009). Brain Regions for Perceiving and Reasoning about Other People in School-aged Children. *Child Development* 80(4): 1197-1209
43. Bedny M, Pascual-Leone A, Saxe R. (2009) Growing up blind does not change the neural bases of Theory of Mind. *PNAS*. 106(27): 11312-7.
44. Young L, Saxe R. (2009) Innocent Intentions: A correlation between forgiveness for accidental harm and neural activity. *Journal of Cognitive Neuroscience*. 47(10):2065-72
45. Young L, Saxe R. (2009). An fMRI investigation of spontaneous mental state inference for moral judgement. *Journal of Cognitive Neuroscience*. 21(7):1396-1405.
46. Scholz J, Triantafyllou C, Whitfield-Gabrieli S, Brown EN, Saxe R. (2009). Distinct regions of right temporo-parietal junction are selective for theory of mind and exogenous attention. *PloS One* 4(3)

47. Bedny M, Caramazza A, Grossman E, Pascual-Leone A, Saxe R (2008). Concepts are more than percepts: the case of action verbs. *Journal of Neuroscience* 28(44):11347-53.
48. Kliemann D, Young L, Scholz J, Saxe R (2008) The influence of prior record on moral judgment. *Neuropsychologia*. 46: 2949–2957
49. Young L, Saxe R (2008). The neural basis of belief encoding and integration in moral judgment. *Neuroimage*.40(4): 1912-1920
50. Young L, Cuhsmann F, Hauser M, Saxe R (2007) The neural basis of the interaction between theory of mind and moral judgment. *PNAS* 104(20):8235-40.
51. Saxe R (2007) What was I thinking? Developmental and neural connections between Theory of Mind, Memory and the Self. *Attention and Performance*. XXII. Ed. Y. Rossetti, P. Haggard, M. Kawato.
52. Saxe R, Tzelnic T, Carey S (2007) Knowing who-dunnit: infants infer the agent of an unseen causal interaction. *Developmental Psychology* 43(1):149-58
53. Saxe R, Schulz LE, Jiang YV (2006) Reading Minds versus Following Rules: Dissociating Theory of Mind and Executive Control in the Brain. *Social Neuroscience*. 1(3-4):284-98
54. Saxe R, Moran JE, Scholz J, Gabrieli J (2006) Overlapping and non-overlapping brain regions for theory of mind and self reflection in individual subjects. *Social Cognitive and Affective Neuroscience*. 1(3):229-34
55. Saxe R, Carey S (2006) The perception of causality in infancy. *Acta Psychologica* 123(1-2): 144-65
56. Saxe, R. & Powell L. (2006) It's the thought that counts: specific brain regions for one component of Theory of Mind. *Psychological Science* 17(8):692-9
57. Saxe R (2006) Why and how to use fMRI to study Theory of Mind. *Brain Research*. 1079(1):57-65
58. Saxe R (2006) Uniquely Human Social Cognition. *Current Opinion Neurobiology* 16(2): 235-9
59. Saxe R, Brett M, Kanwisher N (2006) Divide and conquer: a defense of functional localisers. *Neuroimage*. 30(4):1088-96
60. Saxe R, Tzelnic T, Carey S. (2006) Five-month-old infants know that humans are solid, like inanimate objects. *Cognition* 101(1):B1-8
61. Saxe R, Jamal N, Powell L (2006) My body or yours? The effect of visual perspective on cortical body representation. *Cerebral Cortex* 16(2):178-82
62. Saxe R, Tenenbaum J, Carey S. (2005) Secret Agents: 10- and 12-month-old infants' inferences about hidden causes. *Psychological Science* 16(12):995-1001
63. Saxe R. (2005) Against Simulation: the Argument from Error. *Trends in Cognitive Science* 9(4):174-9; and Saxe R. (2005) Tuning forks in the mind: Reply to Goldman & Sebanz. *Trends in Cognitive Science*; and Saxe R. (2005) On ignorance and being wrong: Reply to Gordon. *Trends in Cognitive Science*, and Saxe, R (2005) Hybrid Vigour: Reply to Mitchell. *Trends in Cognitive Science*.

64. Heberlein A, Saxe R. (2005) Dissociation between Emotion and Personality Judgements: Convergent evidence from functional neuroimaging. *NeuroImage* 28(4):770-7
65. Saxe R, Wexler A (2005) Making sense of another mind: the role of the right temporo-parietal junction *Neuropsychologia* 43(10):1391-9
66. Howard IP, Hu G, Saxe R, James EZ. (2005) Visual orientation in a mirror world tilted 90 degrees. *Perception* 34(1):7-15.
67. Saxe R, Xiao DK, Kovacs G, Perrett DI, Kanwisher N (2004) A region of right posterior superior temporal sulcus responds to observed intentional actions. *Neuropsychologia* 42(11):1435-46
68. Jiang Y, Saxe R, Kanwisher N (2004) Functional magnetic resonance imaging provides new constraints on theories of the psychological refractory period *Psychological Science* 15(6):390-6
69. Saxe R, Carey S, Kanwisher N (2004) Understanding other minds: linking developmental psychology and functional neuroimaging *Annual Review of Psychology* 55:87-124
70. Saxe R, Kanwisher N (2003) People thinking about thinking people: fMRI studies of Theory of Mind. *Neuroimage*. 19(4):1835-42; reprinted in (Ed J Cacioppo & G. Bernston) *Social Neuroscience*. New York: Psychology Press

Publications — Peer-Reviewed Conference Papers

71. Deen, B. & Saxe, R. (CogSci 2012). Neural correlates of social perception: The posterior superior temporal sulcus is modulated by action rationality, but not animacy.
72. Koster-Hale, J., Dungan, J., Saxe, R., & Young, L. (CogSci 2012). Thinking in Patterns: using multi-voxel pattern analyses to find neural correlates of moral judgment in neurotypical and ASD populations.
73. Dufour, N., Redcay, R., Young, L., Mavros, P., Moran, J., Triantafyllou, C., Gabrieli, J., & Saxe, R. (CogSci 2012). What explains variability in brain regions associate with Theory of Mind in a large sample of neurotypical adults and adults with ASD?
74. Richardson, H., Baker, C., Tenenbaum, J., & Saxe, R. (Cog Sci 2012). The Development of Joint Belief-Desire Inferences.
75. Ichinco, D., Frank, M. C., & Saxe, R. (CogSci 2009). Cross-situational word learning respects mutual exclusivity.
76. Baker C., Tenenbaum J., & Saxe R. (CogSci 2007) Goal inference as inverse planning.
77. Baker C., Tenenbaum J., & Saxe R. (NIPS 2006) Bayesian models of perceiving intentional action

Publications — Chapters and Editorials

78. Saxe R, Young L (2014) Theory of Mind: How brains think about thoughts. In the *Handbook of cognitive neuroscience*.
79. Koster-Hale J, Saxe R (2013) Functional Neuroimaging of Theory of Mind. In Baron-Cohen, Lombardo & Tager-Flusberg (Ed) *Understanding Other Minds*, 3rd Ed.
80. Saxe R (2013) The new puzzle of Theory of Mind development. In *Navigating the Social World: What Infants, Children, and Other Species Can Teach Us*. Ed: M Banaji & S Gelman.
81. Redcay E & Saxe R (2013) Do you see what I see? The neural bases of joint attention *Agency and Joint Attention*. Ed: J Metcalfe & H Terrace. Oxford University Press.
82. Frank M, Saxe R (2012) Teaching replication. *Perspectives in Psychological Science* 7:600-604
83. Saxe R (2012) How should we manage peer review and why? Commentary on Nosek & Bar-Anan (2012) *Psychological Inquiry* 23(3):301-302
84. Gweon H & Saxe R (2012) Developmental cognitive neuroscience of ToM: when everything we thought we knew is wrong. In *Developmental Neuroscience* Ed: P Rakic & J Rubenstein, Academic Press
85. Saxe R (in press) The right temporo-parietal junction: a specific brain region for thinking about thoughts. *Handbook of Theory of Mind*. Ed: A Leslie & T German
86. Saxe R & Pelphrey K (2009) Introduction to a Special Section of Developmental Social Cognitive Neuroscience. *Child Development* 80(4):946-51.
87. Saxe R & Offen S (2009) Seeing ourselves: what vision can teach us about metacognition. In Ed (G Dimaggio, PH Lysaker). *Metacognition and Severe Adult Mental Disorders: From basic research to treatment*.
88. Saxe R (2009) The happiness of the fish: evidence for a common theory of one's own and others' actions. In Ed (K Markman, B Klein, J Suhr). *The Handbook of Imagination and Mental Simulation*.
89. Saxe R (2009) Theory of Mind (Neural Basis). *Encyclopedia of Consciousness*.
90. Saxe R (2005) Four brain regions for one theory of mind? In (Ed. J Cacioppo) *People thinking about People*. Cambridge: MIT Press.

Publications — Public Essays and Book Reviews

91. Saxe R (2013) Learning from Students. *MIT Faculty Newsletter* XXV(5)
92. Young L, Saxe R (2010) It's not just what you do, but what's on your mind: a review of Kwame Anthony Appiah's 'Experiments in Ethics'. *Neuroethics*.
93. Saxe R (2009) The neural evidence for Simulation is weaker than I think you think it is. *Book Symposium on 'Simulating Minds' in Philosophical Studies*.
94. Saxe R (2008) If a brain breaks, can it be fixed? Review of Normal Doidge's *The brain that changes itself*. *Literary review of Canada*
95. Saxe R (2008) Commentary on 1985 paper on Theory of Mind. *Simons Foundation*

96. Saxe R, Haushofer J (2008) For love or Money: a common neural currency for Social and Monetary Reward. *Neuron*. 58, 164-5.
97. Saxe R (2007) Fantasies that Coincide with Reality. Review of C Frith's 'Making up the Mind.' *Trends in Cognitive Sciences*
98. Saxe R (2007) How to fill a jury box: race matters. *Mind Matters Scientific American blog*.
99. Saxe R, Schulz LE (2006) Why we read literary criticism: review of L Zunshine's 'Why we read fiction: Theory of Mind and the novel'. *Trends in Cognitive Sciences*
100. Saxe R (2006) The Forbidden Experiment. *Boston Review*
101. Saxe R (2006) The Forbidden Experiment. *Literary Review of Canada*
102. Saxe R (2005) But we were feeling happy: review of K Oatley's 'Emotions: A Brief History'. *Literary Review of Canada*
103. Saxe R (2005) Do the right thing. *Boston Review*
104. Saxe R (2004) Reading your mind. *Boston Review*.

Major Research Support

2012-2017	PI	"Impairments of Theory of Mind disrupt patterns of brain activity"	
		<i>NIH RO1</i>	\$629,160
2012-2014	PI	"Neurobiology of Narrative Influence in Inter-group Conflict"	
		<i>DARPA</i>	\$831,191
2011-2012	PI	"Development of cross modal plasticity in occipital cortex of blind children"	
		<i>Harvard NeuroDiscovery Center</i>	\$75,000
2010-2015	PI	"Typical and atypical development of brain regions for Theory of Mind"	
		<i>NSF CAREER</i>	\$446,067
2009-2013	PI	"Neural measures of inter-group conflict"	
		<i>Office of Naval Research</i>	\$666,807
2008-2013	PI	"Neural mechanisms of human social cognition"	
		<i>Packard Foundation</i>	\$875,000
2008 -2011	PI	"Neural Basis of Social Cognition in ASD"	
		<i>Simons Foundation</i>	\$684,505.
2008-2009	PI	"Neural mechanisms of de-radicalisation: pilot studies"	
		<i>Alliance of Civilizations Media Fund</i>	\$100,000
2008-	PI	F&C Middleton Career Development Chair	\$133,314
2007-2012	Co-PI	"Autism and Dylexia Project"	
		<i>Ellison Medical Foundation</i>	\$650,097
2007 - 2011	PI	"Neural Basis of Theory of Mind in Typical Development and Autism"	
		<i>John Merck Scholars Program</i>	\$300,000.
2004-	PI	Start-up funds	\$178,138

Project support

2014	PI	“Elucidating the neural underpinnings of intergroup conflict” <i>Draper University Research and Development Program</i>	\$110,000
2014	PI	“The social neuroscience of autism: a joint multi-modal approach of the MIT and the Freie Universität Berlin” <i>MISTI: MIT-Germany Fund</i>	\$27,240
2013	PI	“Online tools for evaluating cultural dialogue programs” <i>MINT Funds, McGovern Institute</i>	\$15,805
2013	Co-PI	“Combined TMS and NIRS” <i>MINT Funds, McGovern Institute</i>	\$15,805
2010-2011	PI	“Speaking with the Enemy: Experimental investigations of inter-group dialogue for conflict resolution” <i>J.H. and E.V. Wade Fund, MIT Research Support Committee</i>	\$45,000
2004	PI	“Infants’ concept of an agent” <i>Harvard Milton Fund</i>	\$35,000

Editorial Roles

Social Neuroscience Associate Editor 2005 –
Guest Editor, Special Issue on Theory of Mind, Fall 2006

Brain and Behavioral Sciences Associate Editor 2009 -
Child Development
Guest Editor, Section on Social Cognitive Developmental Neuroscience, 2009

Social Cognitive and Affective Neuroscience Associate Editor 2005 – 2007

Journal of Experimental Psychology: General Associate Editor 2010 - 2011

Ad hoc manuscript reviewer for *Science, Nature, Nature Neuroscience, Nature Neuroscience Reviews, Psychological Science, Cognition, Emotion, Trends in Cognitive Science, Neuropsychologia, Neuron, Journal of Neuroscience, Journal of Cognitive Neuroscience, Child Development, Brain and Language, Perception and Psychophysics, Cognitive Affective and Behavioral Neuroscience, Social Neuroscience*. Ad Hoc grant reviewer for *Economic and Social Research Council (UK), NSF Social Psychology Program (USA)*

Professional Memberships

Society for Philosophy and Psychology	Executive Board Member	2007-2010
Cognitive Science Society	Member	2011-
Cognitive Neuroscience Society	Member	2007-
Society for Research in Child Development	Member	2007-

American Psychological Association
Society for Neuroscience

Member
Member

2007-
2002-

MIT Service and committees

MIT BCS Department Head Search Committee (2008, 2011); MIT President's Distinguished Fellowships Committee (2008, 2009, 2011, 2012); Cognitive Science Search Committee (2006, 2007, 2008, 2009, 2011, Director 2012); MIT Tech Day lecture to Alumni, 'The Mind's Eye' (2009); MIT delegation to the World Economic Forum, Davos Switzerland (2010); MIT Committee on Academic Performance (2012-); BCS Education Committee (2012-); BCS Council (2012-); Chancellor's Committee on Student Life (2013 -); Dean of the School of Science, Search Advisory Committee, Chair (2014).

Psychology / Neuroscience Invited talks

Rutgers University, Jan 22, 2002

NMR imaging centre, MGH, Feb 5, 2003

Harvard University, Social Neuroscience series, June 9, 2003

McGovern Institute Retreat, Sep 8, 2003

Yale University, Sep 29, 2003

McGovern Institute Symposium, Oct 14, 2003

Cognitive Neuroscience Center, U.Penn, Nov 3, 2003

Lab for Developmental Studies, Harvard University, Feb 17, 2004

Princeton University, May 11, 2004

University of Chicago, Social Neuroscience conference, May 14, 2004

Harvard University, Cognition, Brain and Behaviour Seminar, October 21, 2004

CSHD Colloquium, Brown University, Nov 4, 2004

Brain and Cognitive Sciences, MIT, Nov 10, 2004

Department of Psychology, University of Washington, Nov 16, 2004

I-LABS, University of Washington, Nov 17, 2004

Stanford University, Dec 8 2004

Department of Psychology, UC Berkeley, Dec 10, 2004

Department of Psychology, UC Berkeley, Feb 5 2005

Rutgers University, Feb 8, 2005

Harvard University Feb 16, 2005

Psychology Department, University of Toronto Feb 23, 2005

University College London, UK, March 4, 2005

Cognitive Neuroscience, University of Birmingham, Birmingham UK March 7, 2005

Developmental Psychology, University of Birmingham, Birmingham UK March 8, 2005

Social-Cognitive-Affective Neuroscience, Princeton, May 17 2006

Action Paris Conference, France, May 19 2005

Psychology Department, Queen's University, Canada, Oct 10 2005
Psychology Department, Wesleyan University, October 19, 2005
Psychology Department, UMass Boston, November 17 2005
Psychology Department, NYU, Dec 1, 2005
Simulation Conference, Paris, Dec 10 2005
Embodied Simulation conference, Germany, Feb 10 2006
Attention and Performance XXII Conference, Macon, France, July 7 2006
Cold Spring Harbor Laboratory, Summer course on Social Neuroscience, July 17 2006
Department of Brain and Cognitive Sciences Colloquium, MIT, Sep 8, 2006.
Psychology Department, Yale University, March 7, 2007.
BU Medical School, October 2007
Center for Human Growth & Development, University of Michigan, November 2007
Psychology Department, Stanford, January 2008
Psychology Department, Boston College, January 2008
Social Psychology Colloquium, Arizona State University, March 2008
Summer Institute on Social Cognition, UQAM, Montreal, Canada; July 2008
Center for Theoretical Neuroscience, Columbia University, November 2008
Psychology Department, UCSB, February 2009
Neural Decision Making group, Princeton University, March 2009
Psychology Department, St Andrews University, March 2009
Functional Imaging Lab, University College London, March 2009
Behavioural and Cognitive Neuroscience Seminar, Columbia University, October 2009
Cognition, Brain & Behaviour Seminar, Harvard University, October 2009
Psychology Department Colloquium, Brandeis University, January 2010
Allen Edwards Memorial Public Lecture, University of Washington, February 2010
Department of Psychology Colloquium, University of British Columbia, March 2010
Developmental Psychology Colloquium, Boston University, April 2010
Religion & Science Distinguished Lecture in Life Sciences, Penn State U, April 2010
McDonnell Meeting on Morality and Norms, University of Michigan, May 2010
ICBS colloquium, UC Berkeley, Sep 2010
Brain, Mind & Society seminar, CalTech, October 2010
Distinguished Speaker Series, Institute of Cognitive Science, February 2011
Psychological and Brain Sciences Colloquium, Johns Hopkins University, March 2011
Center for Human Development, University of Maryland, March 2011
Cognitive Science Colloquium, University of Maryland, March 2011
Psychology department colloquium, University of California San Diego, April 2011
Implications of Research on the Neuroscience of Affect, Attachment, and Social Cognition,
Psychoanalysis Unit, UCL, London, May 2011
MIT 150, Brains Minds and Machines, Cambridge MA, May 2011
Social Cognitive Development Pre-conference, Child Development Society, October 2011

Children's Hospital Boston, October 2011
Psychiatric Genetics and Translational Research Seminar, Mass General Hospital,
November 2011
Social Brain Symposium, Royal Academy of Sciences, Brussels, Belgium, November 2011
Social Neuroscience Workshop, Ghent, Belgium, November 2011
Mind Perception pre-conference, Society for Personality and Social Psychology, San Diego
CA, January 2012
Symposium, Society for Personality and Social Psychology, San Diego CA, January 2012
Dean's Lectureship, LSU Medical School, New Orleans, LA, January 2012
Social Lunch, Yale University, October 2012
Cognitive Science colloquium, York University, January 2013
American Psychological Society annual meeting, May 2013
Social Lunch, Harvard University, February 2014

Interdisciplinary Invited Talks

Harvard University Humanities Centre, March 2, 2005.
Georgetown Law School, March 13, 2006
NIL workshop on Theory of Mind and Education. Munich, Germany. October 18 2006.
Psychology, Morality and Other Minds, Philosophy & Linguistics, MIT. Nov 17, 2006.
Society for Philosophy and Psychology, St Louis, June 4 2006
Centre for Humanities, Rutgers University Feb 27, 2006
AHRC Culture and the Mind workshop, Sheffield University, April 2007
Center for Humanities, Rutgers University, November 2007
Symposium on Neuroscience and the Law, Santa Barbara, May 2008.
Symposium on Epistemology, Philosophy Department, University of Toronto, May 2008.
Society for Philosophy and Psychology, Philadelphia, June 2008
Evolution of Social Psychology Conference, Yale University, November 2008
Neural Information Processing Systems, Vancouver BC, Canada, December 2008.
Recursion: Structural Complexity in Language & Cognition, U.Mass, May 2009.
Pragmatics Working Group, Linguistics and Philosophy, MIT, May 2009.
Political Theory Workshop, Stanford University, May 2009.
United States Institute for Peace, September 2009
Dubai Film Festival, Cultural Bridges Panel, December 2009.
World Economic Forum, Davos, January 2010
Reasoning , Perception and Beliefs in Strategic Settings, Santa Fe Institute, June 2010.
Implications of Research on Social Neuroscience Conference, Research Department of
Clinical, Educational and Health Psychology, UCL, May 2011
The Coevolution of Behaviors and Institutions, Santa Fe Institute, January 2012
CoSyne, Salt Lake City, Feb 2012
Cognitive Theory and the Arts, Harvard University, March 2012

Latin American School on Education, Cognitive and Neural Science, El Calafate, Argentina,
March 2012

“Origins of Xenophobia” public panel, Tempe Arizona, March 2012

Sloan School of Business Executive Board meeting, June 2012

The science of virtual exchange, United States Institute for Peace, October 2012

Society for Language Development, Symposium speaker, November 2012

AAAS, February 2013

Harvard / MIT Joint Program in Neuroscience, February 2014

Conference Hosted

“Neuroscience and Social Conflict: Defining a New Approach to Conflict in the 21st Century”, co-hosted with the Project for Justice in Times of Transition, at MIT, February 2012.

Public Media

Nature, News feature, 22/06/06

Charlie Rose Science Series, Part One: The human brain, 10/31/06

“Mindful of Moral Reasoning”, WBUR, 11/30/06

“Ape Genius”, PBS/NOVA, 19/02/08. <http://www.pbs.org/wgbh/nova/apegenius/>

“Of Mice and Women”, New York Times, 26/06/2008

Brilliant 10, Popular Science, 11/2008 <http://www.popsoci.com.au/melinda-wenner/article/2008-10/infants-philosopher>

Science Daily May 18 2008, <http://www.sciencedaily.com/releases/2008/05/080515212112.htm>

“Brain Trust,” Discover Magazine, February 2009 <http://discovermagazine.com/events/unlocking-the-secrets-and-powers-of-the-brain/>

SFARI, Jan 26 2009. <http://sfari.org/news/rebecca-saxe-fine-tuning-the-theory-of-mind>

New Scientist, June 22 2009, <http://www.newscientist.com/article/mg20227144.400-language-may-be-key-to-theory-of-mind.html>

TED, June 2009. http://www.ted.com/talks/rebecca_saxe_how_brains_make_moral_judgments.html

“The Human Spark: Brain Matters”, PBS, January 20 2010.

“How the brain works”, NOVA, Feb 2011

“Prophets of Science Fiction, Ep. 107: Robert Heinlein”, Spring 2012

Edge: <http://edge.org/conversation/imaging-conflict-resolution>

The Agenda, TVO, July 2012 <http://ww3.tvo.org/video/179582/rebecca-saxe-brain-vs-mind>

“Mind Theorist,” Scientific American, December 2012: <http://www.nature.com/scientificamerican/journal/v307/n6/full/scientificamerican1212-74.html>

“Brains on Trial”, PBS, September 2013

Outreach

MSRP - MIT Summer Research Program for minority/disadvantaged students, 2007
Commonwealth High School, 2005

Canada/USA MathCamp, 2006, 2007, 2008

New Vistas Lecture, New York Academy of Sciences, 2007

McKnight Science Journalism Fellows, MIT, 2005, 2007, 2008, 2009, 2010, 2011, 2012

Rhode Island Judiciary, Newport RI, September 2008

Franklin Institute, Philadelphia PA. Lecture, 2008. Advising on museum exhibit, 2009-

MIT Science and Engineering Program for Teachers, 2009.

TED Global, Oxford UK, July 2009.

Dubai Film Festival, Cultural Bridges Panel, December 2009.

World Economic Forum, Davos, January 2010

Boston Regional Brain Bee, February 2010.

“Big Ideas for Busy People”, Cambridge Science Festival, April 2010
MIT 150 ‘Minds and Machines’, Cambridge MA, May 2011
Inside the Psychologists’ Studio, APS, Washington DC, May 2011
Fenway High School Science Project Week, April 2012
Phi Beta Kappa initiation, MIT, June 2012
New England High School Psychology Teachers extended education, August 2012
Mistui visit to MIT, September 2012
Infinite Innovation Symposium in honour of MIT President Rafael Reif, September 2012
MIT Cape Cod Alumni Association, October 2012
MIT Autism Spectrum Conference, November 2012
Coalition for National Science Funding Exhibition and Reception on Capitol Hill, May 2013

Teaching

Classes

9.61 Laboratory in Higher Level Cognition (Undergraduate Lab; 2008, 2009, 2010, 2011, 2013)
9.93 Marathon Moral Reasoning Laboratory (IAP, with Josh Tenenbaum, John Mikhail; 2007)
9.914 Explorations in Exploration (Graduate Seminar, with Laura Schulz; 2010).
9.914 fMRI for Cognitive Neuroscientists (Graduate Lecture Course, with Nancy Kanwisher 2011, 2014).
9.915 Developmental Cognitive Neuroscience (Graduate Seminar, with Marina Bedny 2008, with Susan Carey 2012)
9.916 Social Animals (Graduate Seminar; 2009)
9.552 Neuroscience of Morality (Upper-level Undergraduate course, 2012)

Independent Study and Tutorial Classes

9.50 Independent Research - Moral Reasoning (Spring 2007)
9.50 Independent Research - Natural representations of events (Fall 2009)
9.50 Independent Research - Theory of Mind and Language (Fall 2010)
9.50 Independent Research - Replication Project (Spring 2012)
9.51 Independent Reading – Moral Psychology (Spring 2005)
9.51 Independent Reading - Social Psychology (Spring 2007, Fall 2007)

Undergraduate Theses Supervised (Harvard University)

Lindsey Powell, 2006 Hoopes Prize
Roy Cohen, 2010 Hoopes Prize

Visiting Students

Dorit Kliemann, University of Bremen, Germany
Agnieszka Pluta, Warsaw University, Poland (Fulbright Scholar)

Graduates Students Mentored:

Liane Young, Harvard University (with Marc Hauser), PhD 2008, current Assistant Professor, Boston College.

Zeynep Saygin, MIT (with John Gabrieli), PhD 2012, current post-doctoral researcher, MIT

Jorie Koster-Hale, MIT, current graduate student.

Ben Deen, MIT (with Nancy Kanwisher), current graduate student.

Alex Paunov, MIT, current graduate student.

Hilary Richardson, MIT, current graduate student

Graduate Thesis Committees:

Harvard University: Jonathan Beier, Lindsey Powell, Adena Schachner

MIT: Elizabeth Bonawitz, Mike Frank, Chris Baker, David Osher, Hyowon Gweon, Todd Thompson, Idan Blank, Julian Jara-Ettinger, Kim Scott, Leon Bergen.

Postdocs Mentored

Emile Bruneau, MIT, current postdoctoral scholar.

Lindsey Powell, MIT, current postdoctoral scholar.

Hyowon Gweon, MIT, current postdoctoral scholar, deferred position, Assistant Professor, Stanford University

Marina Bedny, MIT, current Assistant Professor, Johns Hopkins University

Mina Cikara, MIT, current Assistant Professor, Carnegie Mellon University

Liane Young, MIT, current Assistant Professor, Boston College.

Elizabeth Redcay, MIT (with John Gabrieli), current Assistant Professor, University of Maryland.