



Rebecca Saxe
John W Jarve (1978) Professor of Cognitive Neuroscience

Academic Positions

2018 - present	MIT, Brain and Cognitive Sciences	Associate Department Head
2015 - present	MIT, Brain and Cognitive Sciences	Professor
2012 - present	McGovern Institute for Brain Research	Associate Member
2011 - 2015	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

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

Awards (selected)

2020	Guggenheim Fellow
2018	MIT Committed to Caring Award
2018	Fellow, American Psychological Association
2017	BCS Awards for Excellence: in Graduate Mentoring; and in Undergraduate Teaching
2015	Arthur C Smith Award for dedication to student life and learning, MIT
2014	Troland Award, National Academy of Sciences
2012	Chosen as a World Economic Forum Young Global Leader
2011	Doc Edgerton Junior Faculty Achievement award, MIT
2010	School of Science Prize for Undergraduate Teaching, MIT
2009	American Psychological Association Robert L. Fantz Award for Young Psychologists
2008	Cognitive Neuroscience Society Young Investigator Award
2008	Popular Science "Brilliant 10" scientists under 40.

Impact

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

2009 TED talk (> 3 million views, translated into 32 languages)

Citations (Google Scholar): >28,000; h-index: 75, i10-index: 131; Funding: >\$8 million

Publications – Journal Articles

1. Jamali, M., Grannan, B. L., Fedorenko, E., Saxe, R., Báez-Mendoza, R., & Williams, Z. M. (2021). Single-neuronal predictions of others' beliefs in humans. *Nature*, 1-5.
2. Tomova, L., Wang, K. L., Thompson, T., Matthews, G. A., Takahashi, A., Tye, K. M., & Saxe, R. (2020). Acute social isolation evokes midbrain craving responses similar to hunger. *Nature Neuroscience*, 23(12), 1597-1605.
3. Raz, G., & Saxe, R. (2020). Learning in infancy is active, endogenously motivated, and depends on the prefrontal cortices. *Annual Review of Developmental Psychology*, 2.
4. Richardson, H., Koster-Hale, J., Caselli, N., Magid, R., Benedict, R., Olson, H., ... & Saxe, R. (2020). Reduced neural selectivity for mental states in deaf children with delayed exposure to sign language. *Nature communications*, 11(1), 1-13.
5. Landau-Wells, M., & Saxe, R. (2020). Political preferences and threat perception: opportunities for neuroimaging and developmental research. *Current Opinion in Behavioral Sciences*, 34, 58-63.
6. Deen, B., Saxe, R., & Kanwisher, N. (2020). Processing communicative facial and vocal cues in the superior temporal sulcus: Faces and voices in the STS. *NeuroImage*, 117191.
7. Nettle, D., & Saxe, R. (2020). Preferences for redistribution are sensitive to perceived luck, social homogeneity, war and scarcity. *Cognition*, 198, 104234.
8. Richardson, H., Gweon, H., Dodell-Feder, D., Malloy, C., Pelton, H., Keil, B., Kanwisher, N. & Saxe, R. (2020). Response patterns in the developing social brain are organized by social and emotion features and disrupted in children diagnosed with autism spectrum disorder. *Cortex*, 125, 12-29.
9. Tomova, L., Saxe, R., Klöbl, M., Lanzenberger, R., & Lamm, C. (2020) Acute stress alters neural patterns of value representation for others. *NeuroImage*, 209, 116497.
10. Richardson, H., & Saxe, R. (2020). Development of predictive responses in theory of mind brain regions. *Developmental science*, 23(1), e12863.
11. Tomova, L., Tye, K., & Saxe, R. (2019). The Neuroscience of Unmet Social Needs. *Social neuroscience*. 1-11.
12. Bowman, L. C., Dodell-Feder, D., Saxe, R., & Sabbagh, M. A. (2019). Continuity in the neural system supporting children's theory of mind development: Longitudinal links between task-independent EEG and task-dependent fMRI. *Developmental cognitive neuroscience*, 40, 100705.
13. Anzellotti, S., Houlihan, S. D., Liburd Jr, S., & Saxe, R. (2019). Leveraging facial expressions and contextual information to investigate opaque representations of emotions. *Emotion*.
14. Bedny, M., Koster-Hale, J., Elli, G., Yazzolino, L., & Saxe, R. (2019). There's more to "sparkle" than meets the eye: Knowledge of vision and light verbs among congenitally blind and sighted individuals. *Cognition*, 189, 105-115.

15. Li, Y., Saxe, R., & Anzellotti, S. (2019). Intersubject MVPD: Empirical comparison of fMRI denoising methods for connectivity analysis. *PLoS one*, 14(9).
16. Cohen MA, Dilks DD, Koldewyn K, Weigelt S, Feather J, Kell AJ, Keil B, Fischl B, Zöllei L, Wald L, Saxe R, & Kanwisher N. (2019). Representational similarity precedes category selectivity in the developing ventral visual pathway. *NeuroImage*. 197, 565-574
17. Deen, B, Saxe R (2019) Parts-based representations of perceived face movements in the superior temporal sulcus. *Human Brain Mapping*. 40(8), 2499-2510
18. Powell, LJ, Kosakowski HL, Saxe, R (2018) Social origins of cortical face areas. *Trends in Cognitive Sciences*. 22(9) 752-763
19. Kliemann, D., Richardson, H., Anzellotti, S., Ayyash, D., Haskins, A. J., Gabrieli, J. D., & Saxe, R. R. (2018). Cortical responses to dynamic emotional facial expressions generalize across stimuli, and are sensitive to task-relevance, in adults with and without Autism. *Cortex*, 103, 24-43.
20. Bruneau, E., Jacoby, N., Kteily, N., & Saxe, R. (2018). Denying humanity: The distinct neural correlates of blatant dehumanization. *Journal of Experimental Psychology: General*, 147(7), 1078.
21. Richardson H, Lisandrelli G, Riobueno-Naylor A, Saxe R (2018) Development of the social brain from age three to twelve years. *Nature Communications*. 9:1027.
22. Powell, L. J., Deen, B., & Saxe, R. (2018). Using individual functional channels of interest to study cortical development with fNIRS. *Developmental Science*.
23. Anzellotti, S., Caramazza, A., & Saxe, R. (2017). Multivariate pattern dependence. *PLoS computational biology*, 13(11), e1005799.
24. Koster-Hale, J., Richardson, H., Velez, N., Asaba, M., Young, L., & Saxe, R. (2017). Mentalizing regions represent distributed, continuous, and abstract dimensions of others' beliefs. *NeuroImage*, 161, 9-18.
25. Powell, L. J., Hobbs, K., Bardis, A., Carey, S., & Saxe, R. (2017). Replications of implicit theory of mind tasks with varying representational demands. *Cognitive Development*.
26. Saxe, R., & Houlihan, S. D. (2017). Formalizing emotion concepts within a Bayesian model of theory of mind. *Current Opinion in Psychology*. 17, 15-21.
27. Kleiman-Weiner, M., Saxe, R., & Tenenbaum, J. B. (2017). Learning a commonsense moral theory. *Cognition*. 167, 107-123.
28. Deen, B., Richardson, H., Dilks, D. D., Takahashi, A., Keil, B., Wald, LL., Kanwisher N, & Saxe, R. (2017). Organization of high-level visual cortex in human infants. *Nature Communications*, 8, 13995.
29. Bruneau, EG, Cikara, M, & Saxe, R. (2017). Parochial empathy predicts reduced altruism and the endorsement of passive harm. *Social Psychological and Personality Science*
30. Baker, CL, Jara-Ettinger, J, Saxe, R, Tenenbaum, J.B. (2017) Rational quantitative attribution of beliefs, desires, and percepts in human mentalizing, *Nat. Hum. Behav.*

31. Wasserman, E. A., Chakroff, A., Saxe, R., & Young, L. (2017). Illuminating the conceptual structure of the space of moral violations with searchlight representational similarity analysis. *NeuroImage*, 159, 371-387.
32. Anzellotti, S., Kliemann, D., Jacoby, N., & Saxe, R. (2017). Directed network discovery with dynamic network modeling. *Neuropsychologia*, 99, 1-11.
33. Kliemann, D., Jacoby, N., Anzellotti, S., & Saxe, R. R. (2016). Decoding task and stimulus representations in face-responsive cortex. *Cognitive Neuropsychology*, 1-16.
34. Jacoby, N., Bruneau, E., Koster-Hale, J., & Saxe, R. (2016). Localizing Pain Matrix and Theory of Mind networks with both verbal and non-verbal stimuli. *NeuroImage*, 126, 39-48.
35. Chakroff, A., Dungan, J., Koster-Hale, J., Brown, A., Saxe, R., & Young, L. (2016). When minds matter for moral judgment: intent information is neurally encoded for harmful but not impure acts. *Social cognitive and affective neuroscience*, nsv131, 476-484
36. Bruneau, E. G., Cikara, M., & Saxe, R. (2015). Minding the Gap: Narrative Descriptions about Mental States Attenuate Parochial Empathy. *PLoS one*, 10(10), e0140838.
37. Bedny, M., Richardson, H., Saxe, R., (2015) "Visual" Cortex Responds to Spoken Language in Blind Children. *Journal of Neuroscience* 35(33):11674 -11681
38. Skerry, A.E., Saxe, R., (2015) Neural Representations of Emotion Are Organized around Abstract Event Features. *Current Biology* 25 (15), 1945-1954
39. Open Science Collaboration (2015). Estimating the reproducibility of psychological science. *Science*, 349(6251). DOI: 10.1126/science.aac4716
40. Deen, B., Koldewyn, K., Kanwisher, N., Saxe, R., (2015) Functional Organization of Social Perception and Cognition in the Superior Temporal Sulcus. *Cerebral Cortex*
41. Bruneau, E., Jacoby, N., Saxe, R., (2015) Empathic control through coordinated interaction of amygdala, theory of mind and extended pain matrix brain regions. *NeuroImage* 114: 105-119
42. Spunt, R.P., Elison, J.T., Dufour, N., Hurlmann, R., Saxe, R., Adolphs, R., (2015) Amygdala lesions do not compromise the cortical network for false-belief reasoning. *PNAS* 112 (15), 4827-4832
43. Deen, B., Saxe, R., Bedny M., (2015) Occipital Cortex of Blind Individuals Is Functionally Coupled with Executive Control Areas of Frontal Cortex. *Journal of Cognitive Neuroscience*. 7(8) 1633-1647
44. Osher, D.E., Saxe, R., Koldewyn, K., Gabrieli, J.D.E., Kanwisher, N., Saygin, Z. (2015) Structural Connectivity Fingerprints Predict Cortical Selectivity for Multiple Visual Categories across Cortex. *Cerebral Cortex*.
45. Skerry, A. E., & Saxe, R. (2014). A Common Neural Code for Perceived and Inferred Emotion. *Journal of Neuroscience*, 34(48), 15997-16008.
46. Phillips, J., Ong, D., Surtees, A., Xin, Y., Williams, S., Saxe, R., & Frank, M. (2014) A second look at automatic false belief representation: Reconsidering Kovács, Téglás, and Endress (2010). *Psychological Science*.

47. Cikara, M., Bruneau, E., Van Bavel, J. J., & Saxe, R. (2014). Their pain gives us pleasure: How intergroup dynamics shape empathic failures and counter-empathic responses. *Journal of experimental social psychology*, 55, 110-125.
48. Jenkins AC, Dodell-Feder D, Saxe R, Knobe J (2014) The Neural Bases of Directed and Spontaneous Mental State Attributions to Group Agents. *PLoS ONE* 9(8): e105341.
49. Koster-Hale J, Bedny M, Saxe R (2014) Thinking about Seeing: perceptual sources of knowledge are encoded similarly in the theory of mind brain regions of sighted and blind adults. *Cognition*. 133 (1), 65-78
50. Cikara M, Jenkins A, Dufour N, Saxe R (2014) Reduced self-referential neural response during intergroup competition predicts competitor harm. *Neuroimage*. 96, 36-43
51. Koldewyn K, Yendiki A, Weigelt S, Gweon H, Julian J, Richardson H, Mallow C, Saxe R, Fischl B, & Kanwisher, N. (2014). Differences in the right inferior longitudinal fasciculus but no general disruption of white matter tracts in children with autism spectrum disorder. *PNAS* 111 (5), 1981-1986
52. Andrews-Hanna JR., Saxe R, Yarkoni T. (2014). Contributions of episodic retrieval and mentalizing to autobiographical thought: Evidence from functional neuroimaging, resting-state connectivity, and fMRI meta-analyses. *NeuroImage*. 91, 324-335
53. Bedny M, Dravida S, Saxe R (2014) Shindigs, Brunches, and Rodeos: The Neural Basis of Event Words. *Cognitive, Affective, and Behavioral Neuroscience*. 14(3) 891-901
54. Koster-Hale J, Saxe R (2013) Theory of Mind: a neural prediction problem. *Neuron*. 79:836-848
55. 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.
56. 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
57. Koster-Hale J, Saxe R, Dungan J, Young LY (2013). Decoding moral judgements from neural representations of intentions. *PNAS*. 110(14): 5648–5653
58. 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
59. 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
60. Frank M, Saxe R (2012) Teaching replication. *Perspectives in Psychological Science* 7:600-604
61. 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
62. 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

63. 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
64. 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.
65. Bedny M, Saxe R (2012) Insights into the origins of knowledge from the cognitive neuroscience of blindness. *Cognitive Neuropsychology*. 29(1-2):56-84.
66. Dungan J, Saxe R (2012) Matched False-Belief Performance During Verbal and Nonverbal Interference. *Cognitive Science*. 36(6):1148-56
67. 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
68. Frank MC, Vul E, Saxe R. (2012). Measuring the Development of Social Attention Using Free-Viewing. *Infancy*. 17(4):355-75
69. Balas, B., Kanwisher, N., Saxe, R.(2012) Thin-slice perception develops slowly. *Journal of Experimental Child Psychology*. 112(2):257-264
70. 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
71. Frank M, Fedorenko E, Lai P, Saxe R, Gibson E (2012) Verbal interference suppresses exact numerical representation. *Cognitive Psychology* 64(1-2):74-92
72. 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
73. 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
74. 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
75. 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
76. Cikara M, Bruneau E, Saxe R (2011) Us and Them: Intergroup failures of empathy. *Current Directions in Psychological Science*. 20(3):149-53
77. Young, L., Saxe, R. (2011). When ignorance is no excuse: Different roles for intent across moral domains. *Cognition*. 120(2) 149-298.
78. 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

79. 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
80. 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
81. 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
82. Young L, Scholz J, Saxe R (2011) Neural evidence for “intuitive prosecution”: the use of mental state information for negative moral verdicts. *Social Neuroscience*.
83. 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
84. 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
85. 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
86. 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
87. 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
88. 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*.
89. 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
90. Baker CI, Saxe R, Tenenbaum JB (2009) Action understanding as inverse planning. *Cognition* 113(3):329-49
91. 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
92. 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.
93. 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
94. Young L, Saxe R. (2009). An fMRI investigation of spontaneous mental state inference for moral judgement. *Journal of Cognitive Neuroscience*. 21(7):1396-1405.

95. 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)
96. 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.
97. Kliemann D, Young L, Scholz J, Saxe R (2008) The influence of prior record on moral judgment. *Neuropsychologia*. 46: 2949–2957
98. Young L, Saxe R (2008). The neural basis of belief encoding and integration in moral judgment. *Neuroimage*.40(4): 1912-1920
99. 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.
100. 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
101. 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
102. 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
103. Saxe R, Carey S (2006) The perception of causality in infancy. *Acta Psychologica* 123(1-2): 144-65
104. 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
105. Saxe R (2006) Why and how to use fMRI to study Theory of Mind. *Brain Research*. 1079(1):57-65
106. Saxe R (2006) Uniquely Human Social Cognition. *Current Opinion Neurobiology* 16(2): 235-9
107. Saxe R, Brett M, Kanwisher N (2006) Divide and conquer: a defense of functional localisers. *Neuroimage*. 30(4):1088-96
108. Saxe R, Tzelnic T, Carey S. (2006) Five-month-old infants know that humans are solid, like inanimate objects. *Cognition* 101(1):B1-8
109. 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
110. 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
111. 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*.

112. Heberlein A, Saxe R. (2005) Dissociation between Emotion and Personality Judgements: Convergent evidence from functional neuroimaging. *NeuroImage* 28(4):770-7
113. Saxe R, Wexler A (2005) Making sense of another mind: the role of the right temporo-parietal junction *Neuropsychologia* 43(10):1391-9
114. Howard IP, Hu G, Saxe R, James EZ. (2005) Visual orientation in a mirror world tilted 90 degrees. *Perception* 34(1):7-15.
115. 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
116. 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
117. Saxe R, Carey S, Kanwisher N (2004) Understanding other minds: linking developmental psychology and functional neuroimaging *Annual Review of Psychology* 55:87-124
118. 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

119. Anzellotti S, Houlihan SD, Saxe R (CCN 2017) Nonlinear Statistical Dependence Outperforms Linear Dependence in Bayesian Inferences about the Neural Networks Underlying Simulated fMRI Data
120. Campero A, Felbo B, Tenenbaum J, Saxe R (CCN 2017) First Step in Combining Cognitive Event Features and Natural Language Representations to Predict Emotions
121. Deen, B., Kanwisher, N., & Saxe, R. (VSS 2014). Exploring the functional organization of the superior temporal sulcus with a broad set of naturalistic stimuli.
122. Deen, B. & Saxe, R. (CogSci 2012). Neural correlates of social perception: The posterior superior temporal sulcus is modulated by action rationality, but not animacy.
123. 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.
124. 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?
125. Richardson, H., Baker, C., Tenenbaum, J., & Saxe, R. (Cog Sci 2012). The Development of Joint Belief-Desire Inferences.
126. Ichinco, D., Frank, M. C., & Saxe, R. (CogSci 2009). Cross-situational word learning respects mutual exclusivity.

127. Baker C., Tenenbaum J., & Saxe R. (CogSci 2007) Goal inference as inverse planning.
128. Baker C., Tenenbaum J., & Saxe R. (NIPS 2006) Bayesian models of perceiving intentional action

Publications – Chapters and Editorials

129. Richardson, H., & Saxe, R. (2020). Early signatures of and developmental change in brain regions for theory of mind. In *Neural Circuit and Cognitive Development* (pp. 467-484). Academic Press.
130. Kosakowski, H. L., & Saxe, R. (2018). “Affective Theory of Mind” and the Function of the Ventral Medial Prefrontal Cortex. *Cognitive And Behavioral Neurology*, 31(1), 36-50.
131. Saxe, R. (2018). Seeing Other Minds in 3D. *Trends in cognitive sciences*, 22(3), 193-195.
132. Richardson, H., & Saxe, R. (2016). Using MRI to study developmental change in theory of mind. in *Social Cognition: Development Across the Life Span*, 210.
133. Skerry, A. E., & Saxe, R. (2016). What neuroscience can reveal about cognition and its origins. in *Core Knowledge and Conceptual Change*, 321.
134. Saxe, R (2016) The moral status of accidents. *PNAS commentary*
135. Saxe R, Young L (2014) Theory of Mind: How brains think about thoughts. In the *Handbook of cognitive neuroscience*.
136. Koster-Hale J, Saxe R (2013) Functional Neuroimaging of Theory of Mind. In Baron-Cohen, Lombardo & Tager-Flusberg (Ed) *Understanding Other Minds*, 3rd Ed.
137. 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.
138. 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.
139. Saxe R (2012) How should we manage peer review and why? Commentary on Nosek & Bar-Anan (2012) *Psychological Inquiry* 23(3):301-302
140. 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
141. Saxe R (2009) The right temporo-parietal junction: a specific brain region for thinking about thoughts. *Handbook of Theory of Mind*. Ed: A Leslie & T German
142. Saxe R & Pelphrey K (2009) Introduction to a Special Section of Developmental Social Cognitive Neuroscience. *Child Development* 80(4):946-51.
143. 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*.

144. 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*.
145. Saxe R (2009) Theory of Mind (Neural Basis). *Encyclopedia of Consciousness*.
146. 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. Hagard, M. Kawato.
147. 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

148. Saxe R (2013) Learning from Students. *MIT Faculty Newsletter* XXV(5)
149. 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*.
150. 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*.
151. 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*
152. Saxe R (2008) Commentary on 1985 paper on Theory of Mind. *Simons Foundation*
153. Saxe R, Haushofer J (2008) For love or Money: a common neural currency for Social and Monetary Reward. *Neuron*. 58, 164-5.
154. Saxe R (2007) Fantasies that Coincide with Reality. Review of C Frith's 'Making up the Mind.' *Trends in Cognitive Sciences*
155. Saxe R (2007) How to fill a jury box: race matters. *Mind Matters Scientific American blog*.
156. 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*
157. Saxe R (2006) The Forbidden Experiment. *Boston Review*
158. Saxe R (2006) The Forbidden Experiment. *Literary Review of Canada*
159. Saxe R (2005) But we were feeling happy: review of K Oatley's 'Emotions: A Brief History'. *Literary Review of Canada*
160. Saxe R (2005) Do the right thing. *Boston Review*
161. Saxe R (2004) Reading your mind. *Boston Review*.

Publications - Edited Book

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

Major Research Support

(Direct funds only)

2020-2023	PI	“Why we punish “	<i>Patrick J McGovern Foundation</i>	\$850,000
2018-2019	PI	“Conserved neural mechanisms for social motivation in mice and humans “	<i>SFARI</i>	\$80,000
2017-2019	PI	“Using fMRI in awake human infants to study functional development of cortex”	<i>NIH</i>	\$300,000
2016-2019	PI	“Neural measures of social reward and information value in infants”	<i>NSF</i>	\$600,000
2015-2017	co-PI	“Language Pragmatics – Targeted Project”	<i>Simons Center for the Social Brain</i>	\$222,011
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
2007-2012	Co-PI	“Autism and Dyslexia 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.

Undergraduate Theses Supervised (Harvard University)

Lindsey Powell, 2006 Hoopes Prize

Roy Cohen, 2010 Hoopes Prize

Graduates Students (Primary Mentor):

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

Zeynep Saygin, MIT (with John Gabrieli), PhD 2012, Assistant Professor, OSU

Jorie Koster-Hale, MIT, PhD 2014, data scientist

Ben Deen, MIT (with Nancy Kanwisher), PhD 2016, Post-Doctoral Fellow, Rockefeller University

Hilary Richardson, MIT, PhD 2018, Assistant Professor, University of Edinburgh

Sean Dae Houlihan, MIT, current graduate student

Heather Kosakowski, MIT, current graduate student

Halie Olson, MIT, current graduate student

Setayesh Radkani, current graduate student

Gal Raz, current graduate student

Graduate Thesis Committees:

Harvard University: Jonathan Beier, Lindsey Powell, Adena Schachner, Amy Skerry

MIT: Elizabeth Bonawitz, Mike Frank, Chris Baker, David Osher, Hyowon Gweon, Todd

Thompson, Idan Blank, Julian Jara-Ettinger, Kim Scott, Leon Bergen, Max Kliemann-

Weiner, Rachel Magid, Julia Leonard, Mahdi Rahman, Eli Pollock, Jennifer Hu, Michael

Happ

Postdocs (Primary Mentor)

Shari Liu, MIT, current postdoctoral scholar

Frederik Kamps, MIT, current postdoctoral scholar

Ashley Thomas, MIT, current postdoctoral scholar

Livia Tomova, MIT, research Fellow, Cambridge University

Lindsey Powell, MIT, Assistant Professor, UC San Diego

Marika-Landau-Wells, MIT, Assistant Professor, UC Berkeley

Stefano Anzellotti, MIT, Assistant Professor, Boston College

Dorit Kliemann, MIT, Assistant Professor, U Iowa

Emile Bruneau, MIT, research scientist, UPenn. (deceased)

Hyowon Gweon, MIT, Associate Professor, Stanford University

Marina Bedny, MIT, Associate Professor, Johns Hopkins University

Mina Cikara, MIT, Associate Professor, Harvard University

Liane Young, MIT, Professor, Boston College.

Elizabeth Redcay, MIT, Associate Professor, University of Maryland.

Teaching

- 9.61 Laboratory in Higher Level Cognition (Undergraduate; 2008- 2011, 2013)
- 9.46 Neuroscience of Morality (Upper-level seminar, 2012, 2014- 2019)
- 9.A18 Life's Basic Dilemmas (Freshman seminar, 2018, 2019)
- 9.S911 Tools for Rigorous and Reproducible Research (Graduate seminar, 2018)
- 9.916 Social Animals (Graduate Seminar; 2009)
- 9.914 Explorations in Exploration (Graduate Seminar, with Laura Schulz; 2010).
- 9.915 Developmental Cognitive Neuroscience (Graduate Seminar, with Marina Bedny 2008, with Susan Carey 2012)
- 9.914 fMRI for Cognitive Neuroscientists (Graduate Lecture Course, with Nancy Kanwisher 2011, 2014).
- 9.913 Emotion (Graduate Seminar, with Laura Schulz, 2017)

Editorial Roles

- Psychological Review* Associate Editor 2018 - 2019
- Social Neuroscience* Associate Editor 2005 –2009
 - Guest Editor, Special Issue on Theory of Mind, Fall 2006
- Brain and Behavioral Sciences* Associate Editor 2009 - 2012, Editorial board member until 2021.
- 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 (2011-); Cognitive Neuroscience Society (2007-); Cognitive Development Society (2010-); Society for Research in Child Development (2007-); American Psychological Association (2007-); Society for Neuroscience (2002-).

Service and committees

MIT President's Distinguished Fellowships Committee (2008-2018; Co-Chair 2014-2018); MIT BCS Department Head Search Committee (2008, 2011); Cognitive Science Search Committee (2006, 2007, 2008, 2009, 2011, 2015, 2016, 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- 2015); BCS Education Committee (2012-2018); BCS Council (2012-2021); Chancellor's Committee on Student Life (2013); Dean of the School of Science, Search Advisory Committee (Chair 2014, Member 2020); Beyond 2016—MIT's Frontiers of the Future (Co chair, 2016); MIT committee on hospitalization and medical leave, Chair (2016).

NSF cognitive neuroscience review panel (2013); NSF development and learning sciences CAREER review panel (2014); Open Science Collaboration, Reproducibility of Psychological Science Project, participant and grants committee (2012-2015); Harvard Higher Education Leaders Forum (2016, 2017); APS Mentorship Award committee (2016, 2017); ManyBabies Participant (2017-), NIH panel, visiting member, Human complex mental function (2018, 2020).

Center for Open Science, board member at large (2019-)

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

Develomental 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
Department of Psychology, and Center for Mind, Brain, and Culture (CMBC), Emory University,
April 2014
School of Education, Johns Hopkins University, June 2014
Keynote Lecture, McKnight foundation for Neuroscience conference, June 2014
Mind and Brain Distinguished Lecture, Berlin School of Mind and Brain, July 2014
American Psychological Association, Symposium in honor of Susan Carey, August 2014
Zangwill Club Lecture, University of Cambridge, UK, September 2014
Cognition, Brain and Behaviour seminar, Harvard University, October 2014
Brain and Cognitive Sciences seminar, MIT, October 2014
Psychology department, UCSD, November 2014
Psychological and Brain Sciences department, JHU, December 2014
Summer Institute in Cognitive Neuroscience, UC Santa Barbara, June 2015
CBMM summer course, Woods Hole, August 2015
Neuroscience retreat, University of Chicago, September 2015
Psychology colloquium, Tufts University, September 2015
Social psychology colloquium, NYU, November 2015
Stanford psychology department, February 2016
University of Chicago Psychology department, February 2016
DIBS, Duke University, March 2016
American Psychological Society convention, Chicago, May 2016
Friday Lecture Series, Rockefeller University, October 2016
Simons Center for the Social Brain, MIT, Dec 2016
Center for Brains Minds and Machines, MIT Dec 2016
Colloquium, Psychology Department, Princeton University, Feb 2017
Wisconsin Symposium on Emotion, March 2017

Social and Affective Neuroscience Conference, March 2017
International Conference on Psychological Science, March 2017
Oxford University, March 2017
Social and Affective Science Conference, April 2017
American Psychological Society Conference, May 2017
Keynote address, Inaugural Conference for Computational Cognitive Neuroscience, Sep 2017
NIC, Mt Sinai Hospital NYC, October 2017
CIFAR, Infant consciousness workshop, December 2017
Columbia University January 2018
Tokyo University, July 2018
Japanese Society for Neuroscience, August 2018
CIFAR, Child Brain Development Group, October 2018
Invited Speaker, Society for Research on Child Development, Baltimore, March 2019
Psychology Department Colloquium, University of Pennsylvania, April 2019
Psychology Department, Dartmouth College, April 2019
Sackler Colloquium, National Academy of Sciences, April 2019
Trinity College Dublin, May 2019
University of Newcastle, May 2019
NIH, March 2020

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
Cognition, Neuroscience and the Arts Conference, Brown University, March 2014
Congressman Fatah’s visit to MIT, April 2014
Packard Foundation meeting, Monterey CA, September 2014.
“Bridging Neural Mechanisms and Cognition” FENS Brain conference, Denmark, 2015
Nestlé International Nutrition Symposium, Lausanne, October 2015
Building An Inclusive Boston, Beyond Conflict & MIT, October 2016

The Center for Science and Society, Columbia University, October 2016
Baltimore Museum of Art, May 2017
Facebook Faculty Summit October 2017
Santa Fe Institute, March 2018
“New Perspectives on Mental State Attribution”, University of Toronto, December 2018
Global Female Leaders Economic Forum, Berlin, May 2019

Conferences 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.

“Early development, conceptual change, and continuity: Insights from cognitive neuroscience”, pre-conference of CDS, with Hilary Richardson, October 2015.

Public communication of science and outreach (selected)

McKnight Science Journalism Fellows, MIT, 2005, 2007, 2008, 2009, 2010, 2011, 2012, 2014, 2015

MSRP - MIT Summer Research Program for minority / disadvantaged students, 2007, 2015
Commonwealth High School, 2005

Canada/USA MathCamp, 2006, 2007, 2008

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

“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.popsci.com.au/melinda-wenner/article/2008-10/infants-philosopher>

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

Rhode Island Judiciary, Newport RI, September 2008

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

“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>

MIT Science and Engineering Program for Teachers, 2009, 2016

TED, June 2009. http://www.ted.com/talks/rebecca_saxe_how_brains_make_moral_judgments.html; TED radio hour 2015.

Dubai Film Festival, Cultural Bridges Panel, December 2009

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

Boston Regional Brain Bee, February 2010.

“Big Ideas for Busy People”, Cambridge Science Festival, April 2010

“How the brain works”, NOVA, Feb 2011

MIT 150 ‘Minds and Machines’, Cambridge MA, May 2011

Inside the Psychologists' Studio, APS, Washington DC, May 2011
"Prophets of Science Fiction, Ep. 107: Robert Heinlein", Spring 2012
Edge: <http://edge.org/conversation/imaging-conflict-resolution>
Fenway High School Science Project Week, April 2012
The Agenda, TVO, July 2012 <http://ww3.tvo.org/video/179582/rebecca-saxe-brain-vs-mind>
Phi Beta Kappa initiation, MIT, June 2012
New England High School Psychology Teachers extended education, August 2012
Mistui visit to MIT, September 2012
MIT Cape Cod Alumni Association, October 2012
MIT Autism Spectrum Conference, November 2012
Infinite Innovation Symposium in honour of MIT President Rafael Reif, September 2012
"Mind Theorist," Scientific American, December 2012: <http://www.nature.com/scientificamerican/journal/v307/n6/full/scientificamerican1212-74.html>
"Brains on Trial", PBS, September 2013
Coalition for National Science Funding Exhibition and Reception on Capitol Hill, May 2013
IDEAS conference, UMass Boston and WBUR, October 2014
Smithsonian Future is Here, May 2015
"Why I Captured This MRI of a Mother and Child", Smithsonian Magazine December 2015: <http://www.smithsonianmag.com/science-nature/why--captured-MRI-mother-child-180957207/>
TEDx Cambridge "Unlocking our humanity", June 2016
<https://www.youtube.com/watch?v=PDefVd8DRxM>
MIT Club of Boston, 2016
Cambridge Science Festival, Big Ideas for Busy People, 2016
"Infant brains reveal how the mind gets built" by Courtney Humphries, Quanta Magazine, *Atlantic Online*, 2017 <https://www.theatlantic.com/science/archive/2017/01/decoding-the-infant-brain/513005/>
MIT Science Museum, Science on Saturdays, "A Peek inside your developing brain", 2017
Netflix documentary series, "Babies", available 2020.
Visiting scientist, Friends' Central School, Philadelphia, 2019
Interviews and coverage of neural responses to social isolation, spring 2020