

# **Curriculum Vitae**

## **KEVIN S. LaBAR, Ph.D.**

### **Contact Information**

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Center for Cognitive Neuroscience  
Duke University Box 90999  
B247 Levine Science Research Center  
Durham, NC 27708-0999

tel: (919) 681-0664  
e-mail: [klabar@duke.edu](mailto:klabar@duke.edu)  
website: [www.labaratory.org](http://www.labaratory.org)

### **Academic History**

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2021- Associate Chair, Department of Psychology & Neuroscience, Duke University  
2018-2020 Associate Director, Center for Cognitive Neuroscience, Duke University  
2018- Faculty Associate, Duke Initiative for Science & Society  
2016-19 Co-Director, Undergraduate Studies in Neuroscience, Duke University  
2011-13, 2015-8 Head, Cognition and Cognitive Neuroscience Program, Department of Psychology and Neuroscience, Duke University  
2010- Professor, Center for Cognitive Neuroscience and Department of Psychology and Neuroscience, Duke University (primary appointment with tenure), and Department of Psychiatry and Behavioral Sciences, Duke University Medical Center (secondary appointment)  
2010- Faculty Affiliate, Duke Center for Interdisciplinary Decision Sciences  
2008- Faculty Affiliate, Duke Institute for Brain Sciences, Duke University  
2006- Faculty Affiliate, Brain Imaging and Analysis Center, Duke University Medical Center  
2006-2010 Associate Professor, Center for Cognitive Neuroscience and Department of Psychology and Neuroscience, Duke University (primary appointment with tenure), and Department of Psychiatry and Behavioral Sciences, Duke University Medical Center (secondary appointment)  
2006-2010 Faculty Affiliate, Center for Neuroeconomic Studies, Duke University  
2006-2007 Director of Graduate Studies, Department of Psychology and Neuroscience, Duke University  
2003-2004 Visiting Scholar, Center for Neural Science, New York University  
1999-2006 Assistant Professor, Center for Cognitive Neuroscience and Department of Psychological and Brain Sciences, Duke University (primary appointment), and Department of Psychiatry and Behavioral Sciences, Duke University Medical Center (secondary appointment)  
1998-1999 Instructor, Department of Psychology, Northwestern University (secondary appointment)  
1997-1999 Instructor, Department of Neurology, Cognitive Neurology and Alzheimer's Disease Center, Northwestern University Medical School (primary appointment)  
1996-1997 Postdoctoral Associate, Department of Psychology, Yale University  
1990-1996 Ph.D. in Neural Science, Center for Neural Science, New York University  
1986-1990 B.A. in Mathematics and Psychology, Lafayette College

### **Academic Honors, Awards, and Keynote Addresses**

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2020-2024 Nominated (Standing) Panel Member, NIH Study Section on Biobehavioral Mechanisms of Emotions, Stress, & Health  
2019- Fellow, American Association for the Advancement of Science (Elected)  
2019 Top 5% Undergraduate Teaching Honor in Natural Sciences, Duke University  
2017- Deputy Editor, *Science Advances*  
2016 Paper by Kragel et al. (2016) chosen as Keystone article for *PLOS Biology: Open Highlights* series  
2015 Keynote Address, 7<sup>th</sup> European Meeting on Human Fear Conditioning, Bochum, Germany  
2015 Keynote Address, 17<sup>th</sup> Annual Meeting of the Association of Graduate Students in Psychology, University of Wisconsin, Milwaukee, WI  
2012 Frijda Chair, Cognitive Science Center Summer School, University of Amsterdam, The Netherlands  
2010 Fellow, Association for Psychological Science (Elected)  
2009 Certificate of Distinction, National Judicial College, AAAS Seminars on Emerging Issues in Neuroscience  
2008 *Psychiatry Research: Neuroimaging* paper by Doty et al. (2008) selected as a "Recommended" article by the Faculty of 1000 Medicine: [f1000medicine.com](http://f1000medicine.com)  
2007 Keynote Address, Neuroscience Centre Inauguration, University of Geneva, Geneva, Switzerland  
2005-2007 Associate Editor, *Cognitive, Affective, and Behavioral Neuroscience*  
2005 Member, Memory Disorders Research Society (Elected)  
2005 Young Investigator Award, Cognitive Neuroscience Society  
2005 *PNAS* paper by Yamasaki et al. (2002) reprinted for inclusion in J. T. Cacioppo & G. G. Berntson (Eds.) *Key Readings in Social Psychology: Social Neuroscience*, Psychology Press: New York

## KEVIN S. LaBAR, Ph.D.

2004-2006	New Investigator Research Award, Alzheimer's Association
2004	<i>Neuron</i> paper by Dolcos et al. (2004) selected as a "Must Read" article by the Faculty of 1000 Biology: f1000biology.com
2003-2008	CAREER Award, National Science Foundation
2001-2002	Ralph E. Powe Junior Faculty Enhancement Award, Oak Ridge Associated Universities
1998-2002	Young Investigator Award, National Alliance for Research on Schizophrenia and Depression
1998, 1996	Fellow, McDonnell Summer Institute in Cognitive Neuroscience
1993-1995	Individual NRSA Predoctoral Fellowship, National Institutes of Health
1990	Scholar of the Year Award, Lafayette College Alumni Association
1990	Summa Cum Laude Graduate, Lafayette College

### Extramural Professional Leadership and Service

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#### Educational and Academic Society Leadership

2020-2022	Review Board, Society for Affective Science Annual Meeting Submissions
2020-2023	Selection Committee, AAAS Scientific Freedom and Responsibility Award
2020	External Review Committee, Program in Neuroscience, College of William & Mary, Williamsburg, VA
2019-	Program Committee, Cognitive Neuroscience Society
2018	External Review Committee, Program in Neuroscience, Johns Hopkins University, Baltimore, MD
2014	Co-Director, NIMH Summer Institute in Cognitive Neuroscience, UC Santa Barbara, CA
2013-2016	Executive Council and Chair, Young Investigator Award Committee, Cognitive Neuroscience Society
2011-2016	Board of Directors, NIMH Summer Institute in Cognitive Neuroscience, UC Santa Barbara, CA
2010-2012	Member, Young Investigator Award Committee, Cognitive Neuroscience Society
2009	Co-Organizer, Memory Disorders Research Society Annual Meeting, Chapel Hill, NC
2009, 2016-17	Faculty, AAAS/National Judicial College Seminars on Neuroscience
2004-2009, 2015	Scientific Advisory Panel, Behavioral and Cognitive Sciences, National Science Foundation
2002, 2007	Faculty, McDonnell Summer Institute in Cognitive Neuroscience

#### Academic Society and Research Consortia Affiliations (Invited/Elected)

Association for Psychological Science (Fellow)	Phi Beta Kappa National Honor Society
Memory Disorders Research Society	Psi Chi National Honor Society in Psychology
ENIGMA – Eating Disorders (ED) Consortium	

#### Invited Grant Reviewer

American Association for the Advancement of Science	Alberta (Canada) Heritage Foundation for Medical Research
University of Leuven Research Council	Alzheimer's Association Investigator-Initiated Research Grants
University of Wisconsin-Milwaukee Research Growth Initiative	Scottish Hospitals Endowments Research Trust
National Institutes of Health	National Science Foundation
University of Geneva BRIDGE Postdoctoral Fellowship Program	Israeli National Science Foundation

#### Journal Editor and Reviewer

##### Editorial Boards

2021	Invited Editor, Special Collection on Emotion, <i>Journal of Cognitive Neuroscience</i>
2020-	Associate Editor, <i>Science Advances</i>
2020	Guest Academic Editor, <i>PLOS Biology</i>
2017-2020	Deputy Editor, <i>Science Advances</i>
2014, 2017, 2019, 2022	Guest Editor, <i>Proceedings of the National Academy of Sciences USA</i>
2010-2015	Editorial Board, <i>Biology of Mood &amp; Anxiety Disorders</i>
2009, 2010	Guest Editor, <i>Emotion</i>
2007-	Consulting Editor, <i>Cognitive, Affective, and Behavioral Neuroscience</i>
2007-2013	Reviewing Editor, <i>Frontiers in Human Neuroscience</i>
2006-2011	Consulting Editor, <i>Emotion</i>
2005-2007	Associate Editor, <i>Cognitive, Affective, and Behavioral Neuroscience</i>
2001-	Consulting Editor, <i>Behavioral Neuroscience</i>

### Intramural Professional Leadership and Service

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#### Duke University

##### Directorships

2021-	Associate Chair, Department of Psychology & Neuroscience
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## **KEVIN S. LaBAR, Ph.D.**

2018-2020 Associate Director, Center for Cognitive Neuroscience  
2016-19 Co-Director, Undergraduate Studies in Neuroscience  
2011-13, 15-18 Head, Cognition & Cognitive Neuroscience Program, Department of Psychology & Neuroscience  
2006-07 Director of Graduate Studies, Department of Psychology & Neuroscience

### Executive Boards/Committee Chairs

2019-21 Advisory Committee, Department of Psychology & Neuroscience  
2016-19 Advisory Board, Directors of Undergraduate Studies  
2016-19 Chair, Steering Committee, Undergraduate Studies in Neuroscience  
2016-17 Organizer, Interdisciplinary Conference on Disgust, Morality, and Society, Duke Institute for Brain Sciences  
2012-13 Executive Board, Brain and Society Initiative, Bass Connections Program  
2011-12 Chair, Departmental Promotion Review Committee  
2006-07, 14-15, 17-18 Chair, Faculty Search Committee, Dept. of Psychology & Neuroscience  
2005, 10-12 Organizer, Cognitive Neuroscience Colloquium Series

### Committee Memberships

2021-22 Selection Committee, Jerome S. Bruner Award for Excellence in Undergraduate Research  
2020 Review Panel, Duke Institute for Brain Sciences Incubator Awards  
2019 Charles Lafitte Foundation Faculty Seed Grant Review Committee, Dept. of Psychology & Neuroscience  
2019- Colloquium Committee, Center for Cognitive Neuroscience  
2019- Faculty Mentoring Committee, Dept. of Psychology & Neuroscience  
2017-18 Strategic Priority Task Force, Neuroscience and Simulation  
2016-19 Steering Committee, Undergraduate Studies in Psychology  
2016-17 Undergraduate Studies in Neuroscience Task Force, Department of Psychology & Neuroscience  
2014-17 Academic Programs Committee, Office of the Provost  
2012-13 Review Committee, Duke Institute for Brain Sciences Research Incubator Awards  
2012-13 Duke Interdisciplinary Initiative in Social Psychology (DIISP) Task Force  
2011-13 Neuroscience Graduate Consortium Steering Committee, Duke Institute for Brain Sciences  
2011-12 Advisory Committee, Duke immersive Virtual Environment (DiVE), Pratt School of Engineering  
2010-13, 14- Steering Committee, Doctoral Admitting Program, Center for Cognitive Neuroscience  
2010-13 Faculty Advisor, Duke Institute for Brain Sciences "Social Neuroscience" Journal Club Series  
2010-11 Reappointment Review Committee, Vice Provost for Academic Affairs, Duke University Provost's Office  
2010-11 Steering Committee, Center for the Study of Cognition and Its Disorders  
2009-13, 15-16 Steering Committee, Undergraduate Neuroscience Major/Minor  
2009-11, 15- Space Committee, Center for Cognitive Neuroscience  
2009-11 Selection Committee, Undergraduate Zener Award, Dept. of Psychology & Neuroscience  
2008-09 Graduate Student Awards Committee, Dept. of Psychology and Neuroscience  
2008-09 Implementation Committee, Undergraduate Neuroscience Major/Minor  
2006-07, 09-13, 18-19 Departmental Promotion Review Committee  
2006-07 Website Development Committee, Dept. of Psychology & Neuroscience  
2005-06 Arts & Sciences Education Committee on Brain, Mind and Behavior  
2004-05 Science & Engineering Focus Group, Faculty Workshop Series, Office of Research Support  
2002-03 Graduate Curriculum Committee, Dept. of Psychological and Brain Sciences  
2000-03 Scientific Review Committee, Brain Imaging and Analysis Center, Duke University Medical Center  
2000-01 Workgroup to Establish an Undergraduate Neuroscience Major  
1999-02, 04-06, 08-09, 11-13, 16-18, 20-21 Faculty Search Committee, Center for Cognitive Neuroscience/Dept. of Psychology & Neuroscience  
1999-01 Admitting Committee, Doctoral Program in Psychological and Brain Sciences

### **Northwestern University Medical School**

1998-99 Organizer, fMRI Seminar Series

### **Research Grants**

#### **Active**

2021-2024 Templeton Foundation JTF-6193

## **KEVIN S. LaBAR, Ph.D.**

	Co-I., "Forgetting and forgiving: Exploring the connections between memory and forgiveness" P.I., De Brigard, Felipe	\$859,654 total direct costs
2020-2024	National Institutes of Health R01 MH124112-01 P.I., "Neurocomputational approaches to emotion representation"	\$1,978,584 total direct costs
2020-2021	Germinator Award, Duke Institute for Brain Sciences Co-I., "The spatiotemporal dynamics of self-regulation learning in real-time fMRI neurofeedback" P.I., Wright, Rachael (graduate trainee)	\$25,000 total direct costs
2019-2023	Department of Veterans Affairs I01 CX001783-02 Co-I., "Investigating the neural basis of shame and guilt in veterans with posttraumatic stress disorder" P.I.: Morey, Rajendra A.	\$592,664 total direct costs
2019-2022	The REAM Foundation Co-I., "Identifying the optimal neural target for misophonia interventions" P.I., Neasciu, Andrada	\$400,000 total direct costs
2017-2023	National Institutes of Health R01 MH113238-01 P.I., "Neurobehavioral mechanisms of emotion regulation in depression across the adult lifespan" Co-P.I.: Smoski, Moria J.	\$2,021,295 total direct costs
<b>Past</b>		
2017-2020	Duke Clinical Translational Research Institute KL2 Award Primary mentor, "Establishing the therapeutic target for CBT-enhanced neuromodulation for transdiagnostic emotion dysregulation" P.I.: Neasciu, Andrada D.	\$150,000 total direct costs
2019	Germinator Award, Duke Institute for Brain Sciences P.I., "Testing a neurocognitive model of emotional distancing using transcranial magnetic stimulation"	\$25,000 total direct costs
2018-2019	Research Seed Grant, Charles Lafitte Foundation P.I., "Causally testing a neurocognitive model of distancing as an emotion regulation technique"	\$50,000 total direct costs
2015-2018	Brain and Behavior Research Foundation, NARSAD Young Investigator Grant Collaborator, "Neuromodulation enhanced cognitive restructuring for emotion dysregulation: A proof of concept study" P.I.: Neasciu, Andrada D.	\$69,998 total direct costs
2015-2018	National Science Foundation BCS 1460909 P.I., "Contextual influences on fear learning"	\$351,552 total direct costs
2016-2017	Duke Institute for Brain Science Research Incubator Award P.I., "The nature of disgust: An interdisciplinary inquiry" Co-P.I.'s: Sinnott-Armstrong, Walter; Zucker, Nancy L.	\$87,500 total direct costs
2016-2017	Josiah Charles Trent Memorial Foundation Endowment Fund P.I., "Disgust, morality and society"	\$4,500 total direct costs
2015-2017	Triangle Center for Evolutionary Medicine, Working Group Award Faculty Sponsor, "An evolutionary perspective on the role of disgust in psychiatric illness" Student P.I.'s: Amoroso, Caroline and Hanna, Eleanor	\$9,000 total direct costs
2015-2017	Duke Institute for Brain Sciences Research Incubator Award Co-P.I., "The power of imagination" P.I.: De Brigard, Felipe	\$75,000 total direct costs

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2014-2017	Department of Veterans Affairs I01 CX000748 Co-Investigator, "Brain systems for fear generalization and threat processing in PTSD" P.I.: Morey, Rajendra A. \$599,000 total direct costs
2014-2017	Duke Institute for Brain Sciences Research Incubator Award Co-Investigator, "Probiotic treatment: The role of the gut microbiome in childhood abdominal pain and anxiety" P.I., Zucker, Nancy L. \$50,000 total direct costs
2012-2017	National Institutes of Health R01 MH095806 Co-Investigator, "Evaluating a novel method of generalizing emotion regulation" P.I.: Rosenthal, M. Zachary \$1,250,000 total direct costs
2011-2017	National Institutes of Health R01 MH094743 Co-Investigator, "Motivated memory as therapeutic target" P.I.: Adcock, R. Alison \$1,578,100 total direct costs
2014-2016	National Science Foundation Major Research Instrumentation Grant MRI 1428681 Co-P.I., "High-resolution stereoscopic interactive visualization system" P.I., Kopper, Regis A. \$399,720 total direct costs
2013-2016	National Institutes of Health R21 MH098149 P.I., "Multivariate representations of emotion" \$275,000 total direct costs
2013-2015	National Institutes of Health 3 R01 DA027802-S1 P.I., "Motivated learning and memory neuroimaging data repository" \$99,908 total direct costs
2009-2015	National Institutes of Health R01 DA027802 P.I., "Brain imaging studies of negative reinforcement in humans" \$1,250,000 total direct costs
2009-2015	National Institutes of Health R01 AG034580 Co-Investigator, "Social threat and aging: Neural mechanisms of emotion regulation" P.I.: Cabeza, Roberto \$1,187,500 total direct costs
2011-2014	Department of Veterans Affairs VHA Grant 00507153 Co-Investigator, "Imaging-genetics of PTSD in OEF/OIF Veterans" P.I.: Morey, Rajendra \$750,000 total direct costs
2009-2012	National Institutes of Health RC1 MH088678 P.I., "Biomarkers of interoceptive awareness in adolescent Anorexia Nervosa" Co-P.I., Zucker, Nancy L. \$637,020 total direct costs
2009-2012	Duke Institute for Brain Sciences Research Incubator Award P.I., "Interoception and the development of self-regulation in adolescence" Co-P.I., Zucker, Nancy L. \$125,000 total direct costs
2008-2012	National Science Foundation 0745919 P.I., "Emotional modulation of procedural learning" \$357,123 total direct costs
2006-2012	National Institutes of Health 2 P01 NS041328 P.I., Project 2, "Emotional modulation of explicit and implicit memory" Co-P.I., Cabeza, Roberto; PPG Director: Song, Allen \$522,420 total direct costs
2009-2010	Hunt Family Foundation P.I., "Interoception and the development of self-regulation in adolescence" Co-P.I., Zucker, Nancy L. \$10,000 total direct costs
2007-2010	National Institutes of Health R21 AG030771 Co-Investigator, "Neural compensation and economic decision making in aging"

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	P.I.: Huettel, Scott A.	\$450,000 total direct costs
2007-2010	Duke Institute for Brain Sciences Research Incubator Award Co-Investigator, "Decisions under risk: From phenotype to mechanism" P.I.'s, Platt, Michael L. and Huettel, Scott A.	\$250,000 total direct costs
2006-2010	National Institutes of Health R01 MH078211 Co-Investigator, "Neurodevelopmental processes of social cognition in anorexia nervosa and autism" P.I., Zucker, Nancy L.	\$550,000 total direct costs
2004-2010	National Institutes of Health R01 AG023123 Co-Investigator, "Neural correlates of autobiographical memory" P.I.: Rubin, David C.	\$1,012,500 total direct costs
2007-2009	Provost Common Fund, Duke University Co-Investigator, "Understanding emotion regulation using virtual environments" P.I., Rosenthal, M. Zachary	\$49,800 total direct costs
2005-2008	National Institutes of Health R01 DA017372-03S1 Co-Investigator, "Changes in brain activation with DBT" P.I.: Lynch, Thomas R.	\$150,000 total direct costs
2003-2008	National Science Foundation CAREER Award 0239614 P.I., "Cognitive neuroscience of emotional memory"	\$542,767 total direct costs
2002-2008	National Institutes of Health STAART Center for Autism Research grant U54 MH06418 Project 3 Co-Investigator, "Neuroimaging of cognitive and social deficits in autism" P.I.: Piven, Joseph	\$683,567 total direct costs
2001-2007	National Institutes of Health PHS grant R01 DA14094 P.I., "Spatiotemporal dynamics of emotional memory networks"	\$750,000 total direct costs
2004-2006	Alzheimer's Association New Investigator Research Grant NIRG-04-1081 P.I., "Early detection of amygdala dysfunction in Alzheimer's disease"	\$90,000 total direct costs
2005-2006	Provost Common Fund, Duke University P.I., "Imaging genetic variation in cognitive brain function"	\$49,650 total direct costs
2001-2006	National Institutes of Health Conte Centers for the Neuroscience of Depression grant 1 P50 MH60451-03 Co-Investigator, "Cognitive abnormalities and emotional dysregulation in late life depression" P.I.: Krishnan, K. Ranga R.; Project P.I.: McCarthy, Gregory	\$975,566 total direct costs
2004-2005	National Science Foundation Major Research Instrumentation Grant 0320913 Co-Investigator, "Acquisition of a fully immersive VisRoom" P.I.'s: Brady, Rachael and Tomasi, Carlo	\$530,000 total direct costs
2002-2003	National Institutes of Health Shared Instrumentation grant S10 RR016651 Co-Investigator, "A computational facility for neuroimaging research" P.I.: McCarthy, Gregory	\$199,744 total direct costs
2001-2002	American Foundation for Suicide Prevention research grant Co-Investigator, "Distraction versus suppression of suicidal urges: Effects on associational learning" P.I.: Lynch, Thomas	\$60,000 total direct costs
2001-2002	Ralph E. Powe Junior Faculty Enhancement Award, Oak Ridge Associated Universities P.I., "Emotional memory networks in the human brain"	\$10,000 total direct costs
2000-2002	Young Investigator Award, National Alliance for Research on Schizophrenia and Depression	

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- P.I., "Spatiotemporal dynamics of emotional memory networks" \$60,000 total direct costs
- 2000-2001 Bryan Alzheimer's Disease Research Center pilot research grant, Duke University  
P.I., "Emotional priming as a potential marker of amygdala function in early-stage Alzheimer's disease"  
\$20,000 total direct costs
- 1998-2000 Young Investigator Award, National Alliance for Research on Schizophrenia and Depression  
P.I., "Functional mapping of emotional memory processes" \$60,000 total direct costs

### Publications

Google Scholar h-index = 78; i10-index = 148; number of Google Scholar citations = 26,752 as of 5/26/22

### Journal Articles (146 Published)

- Gupta, A., Bhatt, R. R., Rivera-Cancel, A., Makkar, R., Kragel, P. A., Rodriguez, T., Graner, J. L., Alaverdyan, A., Hamadani, K., Vora, P., Naliboff, B., Labus, J. S., LaBar, K. S., Mayer, E. A., & Zucker, N. (2022). Complex functional brain network properties in anorexia nervosa. *Journal of Eating Disorders*, 10:13. Doi:10.1186/s40337-022-00534-9.
- Kragel, P. A., Hariri, A. R., & LaBar, K. S. (2022). The temporal dynamics of spontaneous emotional brain states and their implications for mental health. *Journal of Cognitive Neuroscience*, 34(5), 715-728. Doi:10.1162/jocn\_a\_01787. PMC9026845. Special Focus collection: Contemporary approaches to emotion representation (K. S. LaBar, ed.).
- Neacsiu, A. D., Beynel, L., Graner, J. L., Szabo, S. T., Appelbaum, L. G., Smoski, M. J., & LaBar, K. S. (2022). Enhancing cognitive restructuring with concurrent repetitive transcranial neurostimulation for emotional dysregulation--A randomized controlled trial. *Journal of Affective Disorders*, 301, 378-389. Doi: 10.1016/j.jad.2022.01.053.
- Neacsiu, A. D., Beynel, L., Powers, J. P., Szabo, S. T., Appelbaum, L. G., Lisanby, S. H., & LaBar, K. S. (2022). Enhancing cognitive restructuring with concurrent repetitive transcranial magnetic stimulation: A transdiagnostic randomized controlled trial. *Psychotherapy and Psychosomatics*, 91, 94-106. Doi: 10.1159/000518957.
- Parikh, N., De Brigard, F., & LaBar, K. S. (2022). The efficacy of downward counterfactual thinking for regulating emotional memories in anxious individuals. *Frontiers in Psychology*, 12, 712066. Doi:10.3389/fpsyg.2021.712066.
- Walton, E., Bernardoni, F., Batury, V.-L., Bahnsen, K., Larivière, S., Abbate, D. G., Andres, S., Bang, L., Bischoff-Grethe, A., Brooks, S., Campbell, I. C., Cascino, G., Castro-Fornieles, J., Collantoni, E., D'Agata, F., Dahmen, B., Danner, U. N., Favaro, A., Feusner, J. D., Frank, G. K. W., Friederich, H.-C., Graner, J. L., Herpertz-Dahlmann, B., Hess, A., Horndasch, S., Kaplan, A. S., Kaufmann, L.-K., Kaye, W. H., Khalsa, S. S., LaBar, K. S., Lavagnino, L., Lazaro, L., Manara, R., Miles, A. E., Milos, G. F., Monteleone, A. M., Monteleone, P., Mwangi, B., O'Daly, O., Pariente, J., Roesch, J., Schmidt, U. H., Seitz, J., Shott, M., Simon, J. J., Smeets, P. A. M., Tamnes, C. K., Elena, T., Thomopoulos, S. I., van Elburg, A. A., Voineskos, A. N., von Polier, G. G., Wierenga, C. E., Zucker, N. L., Jahanshad, N., King, J. A., Thompson, P. M., Berner, L. A., & Ehrlich, S. (2022). Brain structure in acutely underweight and partially weight-restored individuals with Anorexia Nervosa – A coordinated analysis by the ENIGMA Eating Disorders Working Group. *Biological Psychiatry*, in press.
- Wright, R. N., Faul, L., Graner, J. L., Stewart, G. W., & LaBar, K. S. (2022). Psychosocial determinants of anxiety about the COVID-19 pandemic. *Journal of Health Psychology*, in press.
- Amoroso, C. R.\*, Hanna, E. K.\*, LaBar, K. S., Schaich-Borg, J., Sinnott-Armstrong, W., & Zucker, N. L. (2020). Disgust theory through the lens of psychiatric medicine. *Clinical Psychological Science*, 8, 3-24. \*co-first authors
- Faul, L.\*, Stjepanović, D.\*, Stivers, J. M., Stewart, G. W., Graner, J. L., Morey, R. A., & LaBar, K. S. (2020). Proximal threats promote enhanced acquisition and persistence of reactive fear learning circuits. *Proceedings of the National Academy of Sciences USA*, 117, 16678-16689. PMC7369317. \*co-first authors
- Graner, J. L., Stjepanović, D., & LaBar, K. S. (2020). Extinction learning alters the neural representation of conditioned fear. *Cognitive, Affective, and Behavioral Neuroscience*, 20, 983-997.
- Morey, R. A., Clarke, E. C., Haswell, C. C., Phillips, R. D., Clausen, A. N., Mufford, M., Saygin, Z., VA Mid-Atlantic MIRECC Workgroup & LaBar, K. S. (2020). Amygdala nuclei volume and shape in military veterans with posttraumatic stress disorder. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 5, 281-290. PMC8040290.
- Morey, R. A., Haswell, C. C., Stjepanović, D., Mid-Atlantic MIRECC Workgroup, Dunsmoor, J. E., & LaBar, K. S. (2020). Neural correlates of conceptual-level fear generalization in posttraumatic stress disorder. *Neuropsychopharmacology*, 45, 1380-1389. PMC7297719.
- Parikh, N., LaBar, K. S., & De Brigard (2020). Phenomenology of counterfactual thinking is dampened in anxious individuals. *Cognition & Emotion*, 34, 1737-1745.
- Powers, J. P., Davis, S. W., Neacsiu, A. D., Beynel, L., Appelbaum, L. G., & LaBar, K. S. (2020). Examining the role of lateral parietal cortex in emotional distancing using TMS. *Cognitive, Affective, & Behavioral Neuroscience*, 20, 1090-1102.
- Powers, J. P., Graner, J. L., & LaBar, K. S. (2020). Multivariate patterns of posterior cortex activity differentiate forms of emotional distancing. *Cerebral Cortex*, 30, 2766-2776. PMC7197066.

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- Sun, D., Gold, A. L., Swanson, C. A., Haswell, C. C., Brown, V. M., Stjepanović, D., VA Mid-Atlantic MIRECC Workgroup, LaBar, K. S., & Morey, R. A. (2020). Threat-induced anxiety during goal pursuit disrupts amygdala-prefrontal cortex connectivity in posttraumatic stress disorder. *Translational Psychiatry*, *10*, 61. Doi:10.1038/s41398-020-0739-4. PMC7026403.
- Harris, A., Romer, A., Hanna, E., Keeling, L., LaBar, K. S., Sinnott-Armstrong, W., Strauman, T. J., Wagner, H. R., Marcus, M., & Zucker, N. L. (2019). The central role of disgust in disorders of food avoidance. *International Journal of Eating Disorders*, *52*, 543-553. PMC6759364.
- Kragel, P. A., Reddan, M. C., LaBar, K. S., & Wager, T. D. (2019). Emotion schemas are embedded in the human visual system. *Science Advances*, *5*, eaaw4358. Doi: 10.1126/sciadv.aaw4358. PMC6656543.
- Parikh, N., McGovern, B., & LaBar, K. S. (2019). Spatial distancing reduces emotional arousal to reactivated memories. *Psychonomic Bulletin & Review*, *26*, 1967-1973.
- Powers, J. P., & LaBar, K. S. (2019). Regulating emotion through distancing: a taxonomy, neurocognitive model, and supporting meta-analysis. *Neuroscience and Biobehavioral Reviews*, *96*, 155-173. PMC6326885.
- Chen, L. W., Sun, D., Davis, S. L., Haswell, C. C., Dennis, E. L., Swanson, C. A., Whelan, C. D., Gutman, B., Jahanshad, N., Iglesias, J. E., Thompson, P., Mid-Atlantic MIRECC Workgroup, Wagner, H. R., Saemann, P., LaBar, K. S., & Morey, R. A. (2018). Smaller hippocampal CA1 subfield volume in posttraumatic stress disorder. *Depression & Anxiety*, *35*, 1018-1029. PMC6261348.
- Hall, S. A., Brodar, K. E., LaBar, K. S., Berntsen, D., & Rubin, D. C. (2018). Neural patterning and dynamics of emotional involuntary memory retrieval in posttraumatic stress disorder. *NeuroImage: Clinical*, *19*, 793-804. PMC6024199.
- Wing, E. A., Iyengar, V., Hess, T. M., LaBar, K. S., Huettel, S. A., & Cabeza, R. (2018). Neural mechanisms of belief-related emotions and their impact on subsequent memory: An fMRI study. *Cognitive Affective and Behavioral Neuroscience*, *18*, 216-231. PMC5889727.
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### Books (2 Published)

- Purves, D., Cabeza, R., Huettel, S. A., LaBar, K. S., Platt, M. L., & Woldorff, M. G. (2012). *Principles of Cognitive Neuroscience, 2<sup>nd</sup> Ed.* Sunderland, MA: Sinauer.
- Purves, D., Brannon, E. M., Cabeza, R., Huettel, S. A., LaBar, K. S., Platt, M. L., & Woldorff, M. G. (2008). *Principles of Cognitive Neuroscience, 1<sup>st</sup> Ed.* Sunderland, MA: Sinauer.

### Book Chapters and Commentaries (38 Published and In Press)

- Faul, L., & LaBar, K. S. (2023). Emotional memory in the human brain. In: Carew, T. J. (Ed.), *Oxford Handbook of the Neurobiology of Learning and Memory* (in press). Oxford, UK: Oxford University Press.
- Kragel, P. A., Sander, D., & LaBar, K. S. (2023). Can brain data be used to arbitrate among emotion theories? In Scarantino, A. (Ed.), *The Routledge Handbook of Emotion Theory* (in press). New York: Routledge.
- LaBar, K. S. (2023). Neuroimaging of fear extinction circuitry in the human brain. In S. Norrholm & M. Milad (Eds.), *Current Topics in Behavioral Neurosciences: Fear Extinction Mechanisms* (Vol. 40, in preparation). Springer.
- Philip, N. S., & LaBar, K. S. (2022). Mapping a pathway to improved neuropsychiatric treatments with precision transcranial magnetic stimulation. *Sci Adv, 8*, eabq7254. Doi:10.1126/sciadv.abq7254.
- LaBar, K. S. (December 7, 2021). Your brain doesn't like uncertainty—and that will help you cope with COVID. *Los Angeles Times*, Op-Ed, A.11.

## KEVIN S. LaBAR, Ph.D.

- LaBar, K. S. (February 2021). Multiple routes to emotional memories in the brain. In: Todd, C. & Walle, E. A. (Eds.), *Emotion Researcher: ISRE's Sourcebook for Research on Emotion and Affect* (pp. 37-41). The International Society for Research on Emotion.
- Xu, B., & LaBar, K. S. (2019). Advances in addiction treatment and recovery. *Science Advances*, 5, eaaz6596. Doi: 10.1126/sciadv.aaz6596.
- Stjepanović, D. & LaBar, K. S. (2018). Fear learning. In Wixted, J. T. (Ed.), *Stevens' Handbook of Experimental Psychology and Cognitive Neuroscience, 4th Ed., Vol. 1* (pp. 27-66). New York, NY: John Wiley & Sons.
- LaBar, K. S. (2017). Advances in neuroscience. *Science Advances*, 3, eaar2953. Doi: 10.1126/sciadv.aar2953.
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- LaBar, K. S. (2015). Emotion. In Toga, A. W. (Ed.), *Brain Mapping: An Encyclopedic Reference, Vol. 2* (pp. 619-624). Oxford, UK: Academic Press.
- LaBar, K. S. (2015). Therapeutic affect reduction, emotion regulation, and emotional memory reconsolidation: A neuroscientific quandary. *Behavioral and Brain Sciences*, 38, 27-28.
- LaBar, K. S. (November 19, 2014). Brains transform remote threats into anxiety. *Theconversation.com*
- Byrne, J. H., LaBar, K. S., LeDoux, J. E., Schafe, G. E., Sweatt, J. D., & Thompson, R. F. (2014). Learning and memory: Basic mechanisms. In J. H. Byrne and J. L. Roberts (Eds.), *From Molecules to Networks: An Introduction to Cellular and Molecular Neuroscience, 3rd Ed.* (pp. 591-637). New York: Academic Press.
- Dunsmoor, J. E., & LaBar, K. S. (2013). Neural basis of human fear learning. In P. Vuilleumier and J. L. Armony (Eds.), *The Cambridge Handbook of Human Affective Neuroscience* (pp. 419-443). New York: Cambridge University Press.
- Fichtenholtz, H. M. & LaBar, K. S. (2012). Emotional influences on visuospatial attention. In G. R. Mangun (Ed.), *Neuroscience of Attention: Attentional Control and Selection* (pp. 250-266). New York: Oxford University Press.
- Dunsmoor, J. E., Åhs, F., & LaBar, K. S. (2011). Neurocognitive mechanisms of fear conditioning and vulnerability to anxiety. *Frontiers in Human Neuroscience*, 5, 35. PMC3075912.
- LaBar, K. S. (2011). Cracking the almond. Commentary on Prévost et al. "Differential contributions of human amygdalar subregions in the computations underlying reward and avoidance learning." *European Journal of Neuroscience*, 34, 133.
- Lake, J. I., & LaBar, K. S. (2011). Unpredictability and uncertainty in anxiety: A new direction for emotional timing research. *Frontiers in Integrative Neuroscience*, 5, 55. Special Issue: Interval timing and time-based decision making (W. H. Meck, V. Doyère, & A. Gruart, eds.).
- Huff, N. C., & LaBar, K. S. (2010). Generalization and specialization of conditioned learning. In M. T. Banich and D. Caccamise (Eds.), *Generalization of Knowledge: Multidisciplinary Perspectives* (pp. 3-30). New York: Psychology Press.
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- LaBar, K. S. (2009). Memory (emotional). In Sander, D. & Scherer, K. R. (Eds.), *The Oxford Companion to Emotion and the Affective Sciences* (pp. 250-252). New York: Oxford University Press.
- LaBar, K. S. (2009). Imaging emotional influences on learning and memory. In F. Rösler, C. Ranganath, B. Röder, & R. H. Kluwe (Eds.), *Neuroimaging of Human Memory: Linking Cognitive Processes to Neural Systems* (pp. 331-348). New York: Oxford University Press.
- LaBar, K. S., & Warren, L. H. (2009). Methodological approaches to studying the human amygdala. In E. A. Phelps & P. J. Whalen (Eds.), *The Human Amygdala* (pp. 155-176). New York: Guilford Press.
- Dolcos, F., LaBar, K. S., & Cabeza, R. (2006). The memory-enhancing effect of emotion: Functional neuroimaging evidence. In: B. Uttl, N. Ohta, & A. L. Siegenthaler (Eds.), *Memory and Emotion: Interdisciplinary Perspectives* (pp. 107-133). Malden, MA: Blackwell.
- LaBar, K. S., & LeDoux, J. E. (2006). Fear and anxiety pathways. In: S. Moldin & J. L. Rubenstein (Eds.), *Understanding Autism: From Basic Neuroscience to Treatment* (pp. 133-154). Boca Raton, FL: CRC Press.
- Phelps, E. A., & LaBar, K. S. (2006). Emotion and social cognition: Role of the amygdala. In: R. Cabeza & A. Kingstone (Eds.), *Handbook of Functional Neuroimaging of Cognition, Vol. 2* (pp. 421-453). Cambridge, MA: MIT Press.
- Brown, T. H., Byrne, J. H., LaBar, K. S., LeDoux, J. E., Lindquist, D. H., Thompson, R. F., & Tyler, T. J. (2003). Learning and Memory: Basic mechanisms. In J. H. Byrne and J. L. Roberts (Eds.), *From Molecules to Networks: An Introduction to Cellular and Molecular Neuroscience* (pp. 499-574). New York: Elsevier Science (USA).
- Dolcos, F., Graham, R., LaBar, K. S., & Cabeza, R. (2003). Coactivation of the amygdala and hippocampus predicts better recall for emotional than for neutral pictures. *Brain and Cognition*, 51, 221-223.
- LaBar, K. S., & LeDoux, J. E. (2003). Emotional learning circuits in animals and humans. In R. J. Davidson, K. Scherer, & H. H. Goldsmith (Eds.), *Handbook of Affective Sciences* (pp. 52-65). New York: Oxford University Press.
- Rachbauer, D., LaBar, K. S., Doppelmayr, M., & Klimesch, W. (2003). Increased event-related theta activity during emotional scene encoding. *Brain and Cognition*, 51, 186-187.
- LaBar, K. S., & LeDoux, J. E. (2002). Emotion and the brain: An overview. In T. E. Feinberg & M. J. Farah (Eds.), *Behavioral Neurology and Neuropsychology, 2nd Ed.* (pp. 711-724). New York: McGraw-Hill.

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- LaBar, K. S., & LeDoux, J. E. (2001). Coping with danger: The neural basis of defensive behaviors and fearful feelings. In B. S. McEwen (Ed.), *Handbook of Physiology, Section 7: The Endocrine System, Vol. IV: Coping with the Environment: Neural and Endocrine Mechanisms* (pp. 139-154). New York: Oxford University Press.
- Beggs, J. M., Brown, T. H., Byrne, J. H., Crow, T. J., LaBar, K. S., LeDoux, J. E., & Thompson, R. F. (1999). Learning and memory: Basic mechanisms. In M. J. Zigmond, F. E. Bloom, S. C. Landis, J. L. Roberts, & L. R. Squire (Eds.), *Fundamental Neuroscience* (pp. 1411-1454). New York: Academic Press.
- LaBar, K. S., & LeDoux, J. E. (1999). *I meccanismi cerebrali dell'emozione e dell'apprendimento emotivo*. In E. Bizzi, P. Calissano, & V. Volterra (Eds.), *Frontiere della Vita, Vol. III* (pp. 215-229). Rome: Istituto dell'Enciclopedia Italiana Treccani.
- LaBar, K. S., & LeDoux, J. E. (1997). Emotion and the brain: An overview. In T. E. Feinberg & M. J. Farah (Eds.), *Behavioral Neurology and Neuropsychology* (pp. 675-689). New York: McGraw-Hill.

### **Invited Symposia, Plenary Lectures, and External Departmental Colloquia**

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- LaBar, K. S. (2021). Neurocomputational insights into emotion representation and dynamics. Memory and Aging Center, University of California San Francisco, San Francisco, CA.
- LaBar, K. S. (2020). Contemporary approaches to emotion representations [invited symposium organizer]. Cognitive Neuroscience Society Annual Meeting, Boston, MA.
- LaBar, K. S. (2020). Decoding spontaneous emotions and modeling their temporal dynamics from resting-state fMRI. Cognitive Neuroscience Society Annual Meeting, Boston, MA.
- Neasciu, A. D., Beynel, L., Powers, J. P., Szabo, S., Appelbaum, L. G., Smoski, M. J., & LaBar, K. S. (2020). Changing transdiagnostic emotional dysregulation with neurostimulation-enhanced cognitive restructuring. Association for Behavioral and Cognitive Therapies, Philadelphia, PA.
- Kragel, P. A., Reddan, M. C., LaBar, K. S., & Wager, T. D. (2019). Decoding convolutional neural network representations of emotion schemas from distributed patterns of brain activity in the human visual system. Social and Affective Neuroscience Society Annual Meeting, Miami Beach, FL.
- LaBar, K. S. (2019). Neurocomputational approaches to emotion representation and dynamics. Department of Psychology Colloquium Series, George Washington University, Washington, DC.
- LaBar, K. S. (2019). An information mapping approach to emotion representation. Cognitive Psychology Colloquium Series, University of North Carolina, Chapel Hill.
- LaBar, K. S. (2019). Neuroanatomy, neuroscience methods, and technology. AAAS Judicial Seminar on Neuroscience, University of Colorado, Boulder, CO.
- LaBar, K. S. (2019). Decoding spontaneous emotions from resting-state fMRI. Smokies Cognition and Neuroscience Symposium, Asheville, NC.
- LaBar, K. S. (2019). The neuroscience of virtual fear learning. Triangle Society for Neuroscience Spring Meeting, Cary, NC.
- LaBar, K. S. (2018). Using virtual reality to study fear memories. Omega Psi Conference, Johns Hopkins University, Baltimore, MD.
- LaBar, K. S. (2018). The neuroscience of music. NIEHS Music and Your Health Symposium, Durham, NC.
- LaBar, K. S. (2018). Generalization and contextualization of fear learning. Wisconsin Symposium on Emotion, Madison, WI.
- LaBar, K. S. (2018). An information mapping approach to emotion representation in the brain. William K. Warren Jr. "Frontiers in Neuroscience" Lecture Series, Laureate Institute for Brain Research, Tulsa, OK.
- LaBar, K. S. (2017). Neuroanatomy, neuroscience methods, and technology. AAAS Judicial Seminar on Neuroscience, Duke Law School, Durham, NC.
- LaBar, K. S. (2017). Music and health [invited panelist], National Institutes of Health, Bethesda, MD.
- LaBar, K. S. (2017). Fear generalization. Swiss Center for Affective Sciences Inaugural, Geneva, Switzerland.
- LaBar, K. S. (2017). Social emotions [panel discussant]. NIA Summer School in Neuroeconomics and Social Neuroscience. Duke University, Durham, NC.
- LaBar, K. S. (2016). Decoding emotional states in the brain. Department of Philosophy, Georgia State University, Atlanta, GA.
- LaBar, K. S. (2016). Neuroanatomy, neuroscience methods, and technology. AAAS Judicial Seminar on Neuroscience, Vanderbilt University, Nashville, TN.
- LaBar, K. S. (2016). Adapting virtual reality technology to study fear learning. Interdisciplinary Seminars in Life Sciences, Lafayette College, Easton, PA.
- LaBar, K. S. (2016). Neural decoding of emotional feeling states. Alpine Brain Imaging Meeting, Champéry, Switzerland.
- LaBar, K. S. (2015). Emotion. Josiah Charles Trent Memorial Foundation Symposium "Toward a Neuroscience of Change Processes in Psychotherapy: What Does Psychotherapy Do and How Does It Do It?", Duke University, Durham, NC.
- LaBar, K. S. (2015). Fear conditioning in 3-D virtual worlds. Keynote Address, 17<sup>th</sup> Annual Meeting of the Association of Graduate Students in Psychology, University of Wisconsin, Milwaukee, WI.
- LaBar, K. S. (2015). Multivariate pattern classification reveals biomarkers of distinct emotional states in the central and autonomic nervous systems. Workshop on Novel Approaches to Decode the Distributed Neural Representation of Emotions and Their Components, Annual Meeting of the Organization for Human Brain Mapping, Honolulu, HI.
- LaBar, K. S. (2015). Pavlov meets the 21<sup>st</sup> Century: Fear conditioning in virtual worlds. Keynote Address, 7<sup>th</sup> European Meeting on Human Fear Conditioning, Bochum, Germany.

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- LaBar, K. S. (2015). Skin conductance response analysis with Autonomate. Workshop on Psychophysiology, 1<sup>st</sup> EIFEL-ROF Network Meeting, Bochum, Germany.
- LaBar, K. S. (2015). To catch a killer: Investigating the brain [panel discussant], Duke University Winter Forum, Durham, NC.
- LaBar, K. S. (2014). Neurobehavioral mechanisms of fear generalization. Summer Institute in Cognitive Neuroscience, University of California, Santa Barbara, Santa Barbara, CA.
- LaBar, K. S. (2014). Perceptual and conceptual fear generalization. Current Works in Behavior, Genetics, and Neuroscience speaker series, Department of Psychology, Yale University, New Haven, CT.
- LaBar, K. S. (2013). Neural systems for fear generalization. Department of Psychology, Wake Forest University, Greensboro, NC.
- LaBar, K. S. (2013). Contextual influences on conditioned fear learning. Cognitive Brain Mapping Group, Northwestern University School of Medicine, Chicago, IL.
- LaBar, K. S. (2013). Perceptual and conceptual contributions to fear learning. Department of Psychology, Northwestern University, Evanston, IL.
- LaBar, K. S. (2013). Conceptual contributions to fear learning. Symposium on The Role of Concepts in Affect and Emotion: Contributions from Affective Neuroscience. Cognitive Neuroscience Society Annual Meeting, San Francisco, CA
- LaBar, K. S. (2013). Cognitive neuroscience of emotional memory. Carolina Neuroscience Club, University of North Carolina-Chapel Hill, Chapel Hill, NC
- LaBar, K. S. (2013). Neural systems for fear generalization. 17<sup>th</sup> International Conference on Cognitive and Neural Systems, Boston University, Boston, MA.
- LaBar, K. S. (2012). Perceptual and conceptual contributions to fear generalization. Affective Science Institute, Northeastern University, Boston, MA.
- LaBar, K. S. & Dunsmoor, J. E. (2012). Neural systems for perceptual and conceptual fear generalization. Symposium on Fear Generalization as a Crucial Mechanism in the Development of Anxiety Disorders: New Insights and Findings. Association for Behavioral and Cognitive Therapies, National Harbor, MD.
- LaBar, K. S. (2012). Neural systems for human fear learning. Feinberg Brain Institute, Mt. Sinai School of Medicine, New York, NY.
- LaBar, K. S. (2012). Perceptual and conceptual fear generalization. University Medical Center Hamburg-Eppendorf, Hamburg, Germany.
- LaBar, K. S. (2012). Cognitive neuroscience of emotional memory. Frijda Lecture, Cognitive Science Center Summer School, University of Amsterdam, Amsterdam, The Netherlands.
- LaBar, K. S. (2012). Neurobehavioral mechanisms of human fear learning. Cognitive Science Center Summer School, University of Amsterdam, Amsterdam, The Netherlands.
- LaBar, K. S. (2012). Social and affective neuroscience. Master Mediator Institute, Durham, NC.
- LaBar, K. S. (2012). Imaging emotional memories. Psi Chi Lecture Series, University of North Carolina – Charlotte, Charlotte, NC.
- LaBar, K. S. (2012). Generalization of human fear learning. Department of Neurobiology, University of Texas, Austin, TX.
- LaBar, K. S. (2012). Cognitive neuroscience of emotional memory. Department of Psychology, University of Texas, Austin, TX.
- LaBar, K. S. (2011). Neuroanatomy, neuroscience methods, and technology. AAAS Judicial Seminar on Neuroscience, Philadelphia, PA.
- LaBar, K. S. (2011). Cognitive neuroscience of emotional memory. Conference on Law and Memory, Stanford Center for Law and the Biosciences, Stanford University, Palo Alto, CA.
- LaBar, K. S. (2011). Mechanisms of fear generalization and contextualization. Conference on Neuroscience of Emotion and Emotion-Related Disorders, Rotman Research Institute, Toronto, Canada.
- LaBar, K. S. (2010). Neurobehavioral mechanisms of fear generalization. Symposium on Pavlovian Fear Conditioning and its Implications for the Treatment of Anxiety Disorders. American Psychological Association Annual Meeting, San Diego, CA.
- LaBar, K. S. (2010). Brain mechanisms for remembering real-world emotional events. Behavioral Sciences Division colloquium, National Center for PTSD, Boston VA Healthcare System, Brookline, MA.
- LaBar, K. S. (2010). Brain mechanisms for remembering real-world emotional events. Symposium on Seekers of Emotion: Neuroscientific Understanding of Affective Behavior, Ruhr-Universität Bochum, Bochum, Germany.
- LaBar, K. S. (2010). Cognitive neuroscience of emotional memory. XII International Cognitive Neuroscience Meeting, Istanbul, Turkey.
- LaBar, K. S. (2010). Emotional influences on memory circuits in Posttraumatic Stress Disorder and healthy adults. NIDA Symposium on How Dysfunction of Learning and Memory Circuits Contribute to Substance Abuse and Other Psychiatric Disorders, American Psychiatric Association Annual Meeting, New Orleans, LA.
- LaBar, K. S. and Rubin, D. C. (2009). Emotional memories for Duke-UNC basketball. Memory Disorders Research Society Annual Meeting, Chapel Hill, NC.
- LaBar, K. S. (2009). Emotional influences on cognitive brain functions. NIDA-NIA Workshop on Aging, Motivation, and Addiction, Washington, DC.
- LaBar, K. S. (2009). Neuroanatomy, neuroscience methods, and technology. AAAS Judicial Seminar on Neuroscience, Reno, NV.
- LaBar, K. S. (2009). Sensation to emotion [invited panelist]. Sensation and Emotion Network, New York, NY.
- LaBar, K. S. (2009). Social and affective neuroscience. The Science Behind the Sense: Exploring the Cognitive Neuroscience of Decision Making, Master Mediator Institute, Durham, NC.
- LaBar, K. S. (2009). Translational approaches to emotional memory regulation. Gordon Conference on Amygdala in Health and Disease, Colby College, Waterville, ME.
- LaBar, K. S. (2008). Contextual recovery of fear memories. Master Seminar, Foundations of Cognitive Science, University of Arizona, Tucson, AZ.
- LaBar, K. S. (2008). Cognitive neuroscience of emotional memory. Department of Psychiatry, UCSF Medical School, San Francisco, CA.

## **KEVIN S. LaBAR, Ph.D.**

- LaBar, K. S. (2008). Context-dependent recovery of fear memories. Merrill Research Conference on Learning, Memory, and the Biology of Clinical Disorders, Phoenix, AZ.
- LaBar, K. S. (2008). Neural systems for executive and emotional functions. Neuroscience of Social Decision Making Lecture Series, Princeton University, Princeton, NJ.
- LaBar, K. S. (2008). Perception, attention and learning in the face of fear. Cognitive Science Program, Department of Psychology, University of Arizona, Tucson, AZ.
- LaBar, K. S. (2008). Theories and social functions of emotion. Minds and Societies Summer School, Institute for Cognitive Science of l'Université du Québec à Montréal, Montréal, Canada.
- LaBar, K. S. (2007). Affective neuroscience. Satellite Symposium on Cognitive Neuroscience, 13<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, Chicago, IL.
- LaBar, K. S. (2007). Cognitive neuroscience of emotional memory. Conference on Advances in Memory Research, Rotman Research Institute, University of Toronto, Toronto, Canada.
- LaBar, K. S. (2007). Emotion and motivation: Perceptual processes [symposium moderator]. 13<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, Chicago, IL.
- LaBar, K. S. (2007). Emotion, memory, and the brain. Psi Chi Lecture Series, Department of Psychology, Fayetteville State University, Fayetteville, NC.
- LaBar, K. S. (2007). Imaging emotion and executive function in psychiatric disorders and healthy controls. Novartis Symposium on Functional Brain Imaging in Psychiatry, Zurich, Switzerland.
- LaBar, K. S. (2007). Integrating multiple social signals from the face. Social Psychology Brownbag Series, Department of Psychology, University of North Carolina, Chapel Hill, NC.
- LaBar, K. S. (2007). Neurobiology of emotional memory. Symposium on Molecules to Mind, Institute of Molecular Pathology, University of Vienna, Vienna, Austria.
- LaBar, K. S. (2007). Neurocognitive mechanisms of emotional memory. Inaugural lecture of the Neuroscience Centre, University of Geneva, Geneva, Switzerland.
- LaBar, K. S. (2007). Why are emotional memories hard to forget? Symposium on Learning and Memory, National Institute on Drug Abuse, Bethesda, MD.
- LaBar, K. S. (2007). Workshop on developing a test battery for cognitive dysfunction in substance abuse [panel discussant]. National Institute on Drug Abuse, Bethesda, MD.
- LaBar, K. S., Graham, R., & Devinsky, O. (2007). When do amygdala-lesioned patients recognize fear and anger in faces? Conference on Neural Systems of Social Behavior, Austin, TX.
- McCarthy, G., & LaBar, K. S. (2007). Laboratory in functional MRI. Summer Institute in Cognitive Neuroscience, University of California, Santa Barbara, CA.
- LaBar, K. S. (2006). Brain mechanisms of emotional memory. Michael S. Goodman '74 Memorial Lecture, Dept. of Psychology, Brown University, Providence, RI.
- LaBar, K. S. (2006). Cognitive neuroscience of emotional memory. Dept. of Psychiatry, Mt. Sinai School of Medicine, New York, NY.
- LaBar, K. S. (2006). Emotional influences on episodic memory. Conference on Neuroimaging and Psychological Theories of Human Memory, University of Marburg, Marburg, Germany.
- LaBar, K. S. (2006). Emotional influences on task-relevant attentional processing. Conference on Attention, Awareness, and Consciousness. Institute for Mind and Brain, University of California, Davis, CA.
- LaBar, K. S. (2006). Neural mechanisms of emotional learning. Symposium on Translating Animal Neurophysiological Research to Humans Using Neuroimaging. American Psychological Society Annual Meeting, New York, NY.
- LaBar, K. S. (2006). Psychological and neural mechanisms of fear learning. Affective Science Lecture Series, Boston College, Boston, MA.
- LaBar, K. S. & Huff, N. C. (2006). Brain mechanisms for generalization and specialization of conditioned fear learning. Symposium on Generalization of Knowledge, University of Colorado, Boulder, CO.
- LaBar, K. S. (2005). Emotion-cognition interactions: Basic mechanisms. Cognitive Approaches to Addiction: Progress and Pitfalls, National Institute on Drug Abuse, Bethesda, MD.
- LaBar, K. S. (2005). Neural correlates of emotional remembering. Social and Affective Neuroscience Lecture Series, Dept. of Psychology, Harvard University, Cambridge, MA.
- LaBar, K. S. (2005). The phenomenological experience of emotional remembering. Symposium on The Effect of Emotion on Declarative Memory, Annual Meeting of the Psychonomic Society, Toronto, Canada.
- LaBar, K. S. (2005). Psychobiology of fear acquisition, maintenance, and recovery. Yale Child Study Center, Yale University School of Medicine, New Haven, CT.
- LaBar, K. S. (2004). Emotional memory functions of the human amygdala. Symposium on Cognitive Approaches to Drug Addiction, Cognitive Neuroscience Society Meeting, San Francisco, CA.
- LaBar, K. S. (2004). Emotional modulation of attention and memory in aging and Alzheimer's disease. Alzheimer's Disease Research Center, New York University Medical School, New York, NY.
- LaBar, K. S. (2004). Emotional perception and explicit memory. Workshop on Brain Correlates of Emotional Perception in Communication. Max Planck Institute, Leipzig, Germany.



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- LaBar, K. S. (2004). Neural mechanisms of emotional memory. Cognitive Neuroscience Seminar Series, Northwestern University Medical School, Chicago, IL.
- LaBar, K. S. (2004). Using translational science in studies of emotion regulation and psychopathology [Panel discussant]. Association for the Advancement of Behavior Therapy Annual Meeting, New Orleans, LA.
- LaBar, K. S. (2003). Bridging Clinical and Experimental Approaches to Emotion Regulation [Symposium Chair]. 111<sup>th</sup> Annual Convention of the American Psychological Association, Toronto, Canada.
- LaBar, K. S. (2003). Cognitive neuroscience of human fear conditioning. Department of Psychiatry, Columbia University, New York, NY.
- LaBar, K. S. (2003). Role of the human amygdala in emotional memory. Department of Psychology, Johns Hopkins University, Baltimore, MD.
- Lynch, T. R. & LaBar, K. S. (2003). Effects of emotion suppression on explicit and implicit memory formation. Symposium on Bridging Clinical and Experimental Approaches to Emotion Regulation. 111<sup>th</sup> Annual Convention of the American Psychological Association, Toronto, Canada.
- LaBar, K. S. (2002). Methods in human fear conditioning. Summer Institute in Cognitive Neuroscience, Dartmouth College, Hanover, NH.
- LaBar, K. S. (2002). Neural correlates of emotional distraction on a visual oddball task. Center for Neural Science, New York, NY.
- LaBar, K. S. (2001). Implicit emotional memories and the human amygdala. Department of Psychology, University of North Carolina, Chapel Hill, NC.
- LaBar, K. S. (2001). Social and affective contents of consciousness [Commentator]. 5<sup>th</sup> Annual Meeting of the Association for the Scientific Study of Consciousness, Durham, NC.
- Lynch, T. R., Krause, E. D., Morse, J. Q., Mendelson, T., Crozier, J., & LaBar, K. S. (2001). Role of emotion suppression in classical fear conditioning. 35<sup>th</sup> Annual Meeting of the Association for the Advancement of Behavior Therapy, Philadelphia, PA.
- LaBar, K. S., Parrish, T. B., Gitelman, D. R., & Mesulam, M.-M. (2000). Impact of signal-to-noise on functional MRI of the amygdala during emotional picture encoding. 6<sup>th</sup> Annual International Conference on Human Brain Mapping, San Antonio, TX.
- LaBar, K. S. (1998). National Youth Leadership Forum on Medicine [Panel Discussant]. Northwestern University Medical School, Chicago, IL.
- LaBar, K. S. (1998). Careers in Behavioral Neuroscience [Panel Discussant]. Lafayette College, Easton, PA.
- LaBar, K. S., LeDoux, J. E., & Phelps, E. A. (1994). Fear conditioning following unilateral temporal lobectomy in humans: Impaired simple discrimination. Conference on Learning and Memory, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.

### **Abstracts of Conference Presentations (last 5 years only; selected from over 200 presentations)**

- Faul, L., Baumann, M., & LaBar, K. S. (2022). The representation of emotional experience from imagined scenarios. Society for Affective Science, virtual.
- Huang S., Faul, L., Parikh, N., LaBar, K. S., & De Brigard, F. (2022). Multivariate neural patterns of counterfactual thinking-induced reconsolidation of autobiographical memory. Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- Neacsiu, A. D., LaBar, K. S., Rosenthal, M. Z., & Bukhari-Parlakturk, N. (2022). Identifying the optimal neural target for misophonia interventions. Annual Meeting of the Association for Behavioral and Cognitive Therapies, New York, NY.
- Wright, R. N., Faul, L., Graner, J. L., Stewart, G. W., & LaBar, K. S. (2021). Psychosocial determinants of anxiety about the COVID-19 pandemic. Society for Affective Science, virtual.
- Neacsiu, A. J., Beynel, L., Szabo, S. A., Appelbaum, L. G., Smoski, M. J., & LaBar, K. S. (2020). Establishing a neural target for neuromodulation enhanced cognitive therapy for transdiagnostic emotion dysregulation. Society of Biological Psychiatry Annual Meeting, New York, NY.
- Faul, L., Stivers, J. M., Stjepanović, D., Stewart, G. W., Graner, J. L., & LaBar, K. S. (2019). Proximal threats promote enhanced acquisition and persistence of reactive fear circuits. Social and Affective Neuroscience Society Annual Meeting, Miami Beach, FL.
- Haurin, S., Parikh, N., Zhang, J., De Brigard, F., & LaBar, K. S. (2019). The effectiveness of downward counterfactual thinking as an emotion regulation strategy. Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- Kragel, P. A., Reddan, M. C., LaBar, K. S., & Wager, T. D. (2019). Encoding and decoding visual emotion schemas using convolutional neural networks and distributed patterns of human brain activity. Organization of Human Brain Mapping Annual Meeting, Rome, Italy.
- LaBar, K. S. (2019). Proximity to virtual threats differentiates cognitive and reactive fear learning circuits. Memory Disorders Research Society, New York, NY.
- Morey, R. A., Stjepanović, D., Haswell, C. C., Dunsmoor, J. E., & LaBar, K. S. (2019). Neural fear response generalizes across conceptual categories in posttraumatic stress disorder. Society of Biological Psychiatry Annual Meeting, Chicago, IL.
- Neacsiu, A. D., Rosenthal, M. Z., Szabo, S., LaBar, K. S., & Lisanby, S. H. (2019). Neurostimulation enhanced cognitive restructuring: A proof of concept study. Society of Biological Psychiatry Annual Meeting, Chicago, IL.
- Powers, J. P., Graner, J. L., & LaBar, K. S. (2019). Multivariate analysis distinguishes forms of emotional distancing in the human brain. Social and Affective Neuroscience Society Annual Meeting, Miami Beach, FL.
- Gupta, A., Makkar, R., Bhatt, R., Kragel, P. A., Rodriguez, T., Rivera-Cancel, A., Alaverdyan, A., Hamadani, K., Vora, P., Naliboff, B., Labus, J. S., LaBar, K. S., Mayer, E. A., & Zucker, N. L. (2018). Complex functional somatosensory and basal ganglia network properties in anorexia nervosa. American College of Neuropsychopharmacology Annual Meeting, Hollywood, FL.
- Amoroso, C., Hanna, E., LaBar, K., Schaich Borg, J., Sinnott-Armstrong, W., & Zucker, N. (2018). Clinical research informs disgust theory: Domain-specific disgust contributions to two psychiatric disorders. International Society for Evolution, Medicine and Public Health. Park City, UT.
- Faul, L., Stivers, J. M., Stjepanovic, D., Stewart, G. W., Graner, J. L., & LaBar, K. S. (2018). Proximity to virtual threats modulates fear learning and extinction networks. Society for Neuroscience Annual Meeting, San Diego, CA.

## KEVIN S. LaBAR, Ph.D.

- Parikh, N., LaBar, K. S., Rosenthal, M. Z., DeRosa, J., Stewart, G. W., & De Brigard, F. (2018). Neural activity during episodic counterfactual thinking in anxious and non-anxious individuals. Society for Neuroscience Annual Meeting, San Diego, CA.
- Parikh, N., McGovern, B., & LaBar, K. S. (2018). Spatial distancing reduces emotional arousal to reactivated memories. Cognitive Neuroscience Society Annual Meeting, Boston, MA.
- Powers, J. P. & LaBar, K. S. (2018). Spatial, temporal, and social variants of distancing yield a consistent pattern of brain activation. Social and Affective Neuroscience Society Annual Meeting, Brooklyn, NY.
- Romer, A., Harris, A., Hanna, E., Keeling, L., Marcus, M., LaBar, K., Sinnott-Armstrong, W., Wagner, R., & Zucker, N. (2018). The central role of disgust versus anxiety in disorders of food avoidance. International Conference on Eating Disorders, Chicago, IL.
- Cain, M. S., Dunsmoor, J. L., LaBar, K. S., & Mitroff, S. R. (2017). Trait anxiety is associated with increased multiple-target search errors. Vision Sciences Society Annual Meeting, St. Petersburg, FL.
- Chiew, K. S., LaBar, K. S., & Adcock, R. A. (2017). Motivated autobiographical memory: Effects of valence and surprise on memory for the 2016 U. S. presidential election. Psychonomic Society Annual Meeting, Vancouver, CA.
- Graner, J. L., Stjepanović, D. & LaBar, K. S. (2017). Representational similarity analysis of hemodynamic responses to conditioned fear stimuli during extinction learning. Society for Neuroscience Annual Meeting, Washington, DC.
- Oh, H., Tanaka, H., Beck, J., LaBar, K. S., and Egner, T. (2017). Changes in information integration strategy in multi-cue probabilistic reasoning under anticipatory anxiety induced by threat-of-shock. Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- Powers, J. P. & LaBar K. S. (2017). Regulating emotion through distancing: a neurocognitive framework and meta-analysis. Social and Affective Neuroscience Annual Meeting, Los Angeles, CA.
- Stjepanović, D. & LaBar, K. S. (2017). Experience sampling of emotional states induced during Pavlovian fear conditioning. Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- Stjepanović, D. & LaBar, K. S. (2017). The neuroimaging of fear conditioning: quantitative seed-based and linguistic meta-analyses. Society for Neuroscience Annual Meeting, Washington, DC.
- Stjepanović, D. & LaBar, K. S. (2017). The neuroimaging of fear conditioning: quantitative seed-based and linguistic meta-analyses. Society for Social Neuroscience Annual Meeting, Washington, DC.

### Teaching Experience (G = graduate level, U = undergraduate level)

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#### Duke University

2022	PSY 496 Thesis Distinction Workshop (U)
2015-18, 22	PSY 499 Current Research in Neuroscience (U)
2010-2013, 19-20, 22	PSY 280 Social and Affective Neuroscience (U)
2006-09, 14-15	PSY 112/257 Cognitive Neuroscience (U)
2006-07, 09-10	PSY 241 Affective Neuroscience (U/G)
2005-06, 15-19	PSY 760 Cognitive Neuroscience II (G)
2001-05	PSY 135 Fundamentals of Neuroscience (U)
2001-02	PSY 100S Mind, Brain and Cognition (U)
2000-01	PSY 357S Cognitive Neuroscience Colloquia (G)
2000-03, 05-06, 08-12,22	PSY 358/759 Cognitive Neuroscience (G)
1999-01, 04-06, 08-09	PSY 141S Emotions and the Brain (U)

#### Northwestern University Medical School

1998-99 Cognitive Neurology Seminar (G)

### Student Training and Mentorship

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#### Clinical Career Development Trainees

2017-2020	Andrada Neasciu	Duke Clinical Translation Research Institute KL2 Award; Assistant Professor, Duke University Medical Center
2009-2013	Jasmeet Pannu Hayes	NIH K23 MH084013; Assistant Professor, Ohio State University
2008-2012	Moria Smoski	NIH K23 MH87754; NICHD Institutional K12 BIRCWH Award Assistant Professor, Duke University Medical Center
2006-2011	Rajendra Morey	NIH K23 MH073091; Associate Professor, Duke University Medical Center

#### Postdoctoral Research Associates

2022-present	Yaohui Ding	Postdoctoral Fellow, Duke University, Durham, NC
	Nathan Muncy	Research Associate, Duke University, Durham, NC
2014-present	John Graner	Senior Postdoctoral Fellow, Duke University, Durham, NC
2014-2017	Daniel Stjepanović	Postdoctoral Fellow, University of Queensland, Brisbane, Australia
2013-2015	Dawei Li	Postdoctoral Fellow, Duke University, Durham, NC

## **KEVIN S. LaBAR, Ph.D.**

2011-2014	Siobhan Hoscheidt	Assistant Professor, Wake Forest School of Medicine, Winston-Salem, NC Duke Center for Interdisciplinary Decision Sciences (D-CIDES) Postdoctoral Fellow
2009-2014	Steven Prince	Scientist, Environmental Protection Agency, Research Triangle Park, NC NARSAD Young Investigator Award
2010-2013	Fredrik Åhs	Research Assistant Professor, University of Uppsala, Uppsala, Sweden Swedish Research Council Postdoctoral Fellowship Award
2008-2013	Steven Stanton	Assistant Professor, Oakland University, Detroit, MI Society for Behavioral Neuroendocrinology Young Investigator Award David C. McClelland Fellowship, Hay Group Outstanding Research Award, Society for Personality and Social Psychology Institutional T32 NIMH Training Grant
2005-2009	Nicole Huff	Homemaker, Atlanta, GA Individual Postdoctoral NRSA F32 MH078471
2003-2004	Michael Zorawski	Clinical Psychologist, Hamburg, Germany
2002-2005	Reiko Graham	Associate Professor, Texas State University

### **Graduate Students**

2022-present	Nimesha Gerlus	MD/PhD Program
2021-present	Daniel Parr	Graduate Grant Award, Charles Lafitte Foundation Program in Psychological Research
2018-present	Rachael Wright	NSF Graduate Fellowship Graduate Grant Award, Charles Lafitte Foundation Program in Psychological Research
2017-present	Leonard Faul	NSF Graduate Fellowship Graduate Grant Award, Charles Lafitte Foundation Program in Psychological Research
2014-2019	Natasha Parikh	Department of Defense NDSEG Graduate Fellowship, 2019 Dean's Award For Excellence in Teaching; Postdoctoral Associate, College Fellows Program, Harvard University
2014-2019	John Powers	NSF Graduate Fellowship; Postdoctoral Associate, U. Denver
2013-2019	Eleanor Hanna	Honorable Mention, NSF Graduate Fellowship; Data Scientist, Valassis Digital Corp
2013-2014	Anne Hermes	James B. Duke Fellowship
2010-2015	Philip Kragel	Bayard Halsted Fellowship; Assistant Professor, Emory University
2009-2014	Jessica Lake	James B. Duke Fellowship; NSF Graduate Fellowship; Director of Research, Limbix Corp
2008-2013	Crystal Reeck	James B. Duke Fellowship; NSF Graduate Fellowship; Assistant Professor, Temple University
2007-2012	Joseph Dunsmoor	NIH NRSA Fellowship F31 MH090682; Assistant Professor, UT Austin Medical School
2007-2012	Vishnu Murty	Honorable Mention, NSF Graduate Fellowship; Assistant Professor, Temple University
2006-2008	Jacqui Detwiler	James B. Duke Fellowship; Senior Editor, Popular Mechanics
2005-2011	Maureen Ritchey	James B. Duke Fellowship; NIH NRSA Fellowship F31 MH085384; Assistant Prof., Boston College
2002-2007	Laura Thomas	NIH NRSA Fellowship F31 MH075327; Scientific Review Officer, NIEHS, NIH
2001-2006	Daniel Dillon	James B. Duke Fellowship; Assistant Professor, McLean Hospital, Harvard Medical School
2001-2006	Harlan Fichtenholtz	Individual Predoctoral NRSA Fellowship F31 MH074293; Assistant Professor, Keene State College

### **Student Engagement/Outreach Programs**

#### *Lafayette Alumni Research Network (LEARN) Undergraduate Training Program in Neuroscience*

This program provides competitive funds for Lafayette College undergraduates to gain summer research training in neuroscience laboratories nationwide.

2019 Vincenzo Olivett	2014 Sydney Reilly
2017 Allison McHayle	2013 Stephanie Kass
2016 Matthew Weintraub	2005 Casian Monaco
2015 Jennifer Barnes, Jillian Hall	2003 Susan Bothwell

#### *Duke Vertical Integration Program*

This program enhances undergraduate education by placing students into an immersive summer research experience in which they interact directly with a graduate student on an experimental project.

2009	Allison Bullock
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#### *Duke Summer Neuroscience Program*

## **KEVIN S. LaBAR, Ph.D.**

This competitive program gives rising sophomores summer research experience in a neuroscience laboratory prior to declaration of an academic major.

2017 Brynn McGovern  
2012 Joyce Wang

### *Duke Huang Fellows Program*

This competitive program gives talented, rising sophomores, who are interested in the intersection of science and society, summer research experience in a science laboratory related to their research interests

2018 Jason Zhang

### *Duke College Student Interest Group in Neurology (COSIGN)*

This program provides information regarding training and research opportunities in neuroscience to undergraduates at Duke who are interested in pursuing careers in Neurology.

2008-2012 Faculty advisor

### *North Carolina School of Science and Mathematics — Advanced Research Training (ART) Outreach Program*

This program provided local high school students with research opportunities and exposure to brain science via a partnership between Duke University and the Durham public school system.

2010-2013 Faculty advisor  
2010-2011 Kevin Huang

### *Duke PREP Program*

This program provided additional training for post-baccalaureate minority students to improve their research and academic skills prior to applying for graduate school admissions.

2004-2006 Nineequa Blanding  
2006-2008 Jose Alba Hernandez