

Daniel J. Lurie

CONTACT INFORMATION	Department of Psychology University of California, Berkeley Berkeley, CA 94720	mobile: (917) 208-0902 e-mail: danjlurie@gmail.com website: www.danlurie.org
RESEARCH INTERESTS	Memory and executive function, functional architecture and dynamics of the human brain, mental experience and internally oriented cognition, psychopathology, neuroimaging methods, open science.	
EDUCATION	Ph.D, Psychology - UNIVERSITY OF CALIFORNIA, BERKELEY Program in Cognitive Neuroscience (Advisor: Mark D'Esposito)	Aug. 2014 – Present
	BA, Interdisciplinary Studies - CITY UNIVERSITY OF NEW YORK Concentration in Cognitive Neuroscience and Philosophy of Mind	Aug. 2007 – June 2012
POSITIONS HELD	Child Mind Institute - NEW YORK, NY Research Assistant - Center for the Developing Brain	June 2012 – June 2014
PEER-REVIEWED ARTICLES	Cameron Craddock, R., S Margulies, D., Bellec, P., Nolan Nichols, B., Alcauter, S., A Barrios, F., Burnod, Y., J Cannistraci, C., Cohen-Adad, J., De Leener, B., et al. (2016). "Brainhack: a collaborative workshop for the open neuroscience community." <i>GigaScience</i> 5.1, p. 16. DOI: 10.1186/s13742-016-0121-x .	
	Marshall, O., Uh, J., Lurie, D. , Lu, H., Milham, M. P., and Ge, Y. (2015). "The influence of mild carbon dioxide on brain functional homotopy using resting-state fMRI." <i>Human Brain Mapping</i> 36.10, pp. 3912–3921. DOI: 10.1002/hbm.22886 .	
	Zuo, X.-N., Anderson, J. S., Bellec, P., Birn, R. M., Biswal, B. B., Blautzik, J., Breitner, J. C. S., Buckner, R. L., Calhoun, V. D., Castellanos, F. X., et al. (2014). "An open science resource for establishing reliability and reproducibility in functional connectomics." <i>Scientific data</i> 1, p. 140049. DOI: 10.1038/sdata.2014.49 .	
	Gorgolewski, K. J., Lurie, D. , Urchs, S., Kipping, J. A., Craddock, R. C., Milham, M. P., Margulies, D. S., and Smallwood, J. (2014). "A correspondence between individual differences in the brain's intrinsic functional architecture and the content and form of self-generated thoughts." <i>PLoS ONE</i> 9.5, e97176. DOI: 10.1371/journal.pone.0097176 .	
SUBMITTED ARTICLES	Murugesan, S., Bouchard, K., Brown, J., Lurie, D. , Hamann, B., and Weber, G. (submitted). <i>Summarization and difference visualization of dynamic networks</i> .	
	Yoncheva, Y. N., Hardy, K. K., Lurie, D. J. , Somandepalli, K., Yang, L., Vezina, G., Kadom, N., Packer, R. J., Milham, M. P., Castellanos, F. X., et al. (under review). <i>Computerized cognitive training for children with neurofibromatosis type 1: a pilot resting-state fMRI study</i> .	
HONORS AND AWARDS	National Science Foundation Graduate Research Fellowship	2014
	<i>Cum Laude</i> and Dean's List, CUNY Baccalaureate Program	2012
	Liberal Arts Honors, City College of New York	2012
	Honors Program Scholarship, City College of New York	2007–2012
TALKS	Investigating the impact of focal lesions on large scale brain dynamics <i>Lecture</i> - UC Berkeley Cognitive Neuroscience Colloquium, Berkeley, CA	April 4, 2017
	"Data Management and Reproducible Research" <i>Lecture</i> - UC Berkeley Psychology QuACK (Quantitative Analysis & Coding Knowledge), Berkeley, CA	Oct. 27, 2016
	"Easy Parallel Multiprocessing in Python" <i>Lightning Talk</i> - UC Berkeley Neuroscience Data Mining Group, Berkeley, CA	Nov. 21, 2015
	"NiBabel 101" <i>Tutorial</i> - Brainhack Americas, Online	Oct. 24, 2015

"Big Data Challenges of fMRI Analysis"

April 27, 2015

Lightning Talk - Berkeley Institute for Data Science, Berkeley, CA

"Insight, Incubation, and Mind Wandering"

July 27, 2011

Colloquium - City University of New York Graduate Center, New York, NY

RESEARCH
EXPERIENCE

University of California, Berkeley - BERKELEY, CA

Aug. 2014 – Present

Graduate Student, D'Esposito Lab (PI: Mark D'Esposito)

- Investigation of the relationship between cognition and large-scale network dynamics.
- Analysis of the effects of focal lesions on brain activity and connectivity.
- Development of novel methods for analyzing and interpreting fMRI data.

Child Mind Institute - NEW YORK, NY

June 2012 – June 2014

Research Assistant, Center for the Developing Brain (PI: Michael Milham)

- Documentation, testing, and support for the [CPAC resting-state fMRI analysis pipeline](#).
- Data sharing and curation for the [International Neuroimaging Data Sharing Initiative](#).
- Investigation of functional connectivity associated with psychopathology & mind wandering.

Baruch College, City University of New York - NEW YORK, NY

Jan. 2010 – June 2012

Research Assistant, Dynamic Learning Lab (PI: Jennifer Mangels)

- Assisted with data collection and preprocessing for ERP studies of attention and memory.
- Designed and ran a pilot study on the influence of mind wandering on insight experiences.
- Developed a web-based platform for a multi-institution study of implicit theories of intelligence.

CONFERENCE
POSTERS

Lurie, D. J. and D'Esposito, M. (2017). *A browser-based tool for managing, searching, and viewing MRI data from patients with brain lesions*. Poster to be presented at the Organization for Human Brain Mapping 2017 annual meeting, June 25–29, Vancouver, British Columbia, Canada.

Lurie, D. J., Tambini, A., Gratton, C., Poline, J. B., and D'Esposito, M. (2016). *Effects of continuous theta-burst transcranial magnetic stimulation on hemodynamic lag measured by BOLD fMRI*. Poster presented at the 46th annual meeting of the Society for Neuroscience, Nov. 12–16, San Diego, CA, USA. DOI: [10.6084/m9.figshare.4245353.v1](https://doi.org/10.6084/m9.figshare.4245353.v1).

Yoncheva, Y., Hardy, K. K., **Lurie, D. J.**, Somandepalli, K., Packer, R. J., Milham, M. P., Castellanos, F. X., and Acosta, M. T. (2016). *Computerized working memory training induces changes in intrinsic functional connectivity in children with Neurofibromatosis Type 1 (NF1): a pilot resting-state study*. Poster presented at the 23rd annual meeting of the Cognitive Neuroscience Society, April 2–5, New York, NY, USA.

Marcelle, E. T., Ho, E. J., **Lurie, D. J.**, O'Connor, D., Shehzad, Z., Craddock, R. C., Tobe, R. H., Castellanos, F. X., Leventhal, B. L., Colcombe, S. J., et al. (2014). *Deriving core psychiatric behavioral constructs and their neural correlates*. Poster presented at the 44th annual meeting of the Society for Neuroscience, Nov. 15–19, Washington, DC, USA.

Ho, E. J., Marcelle, E. T., O'Connor, D., **Lurie, D. J.**, Tobe, R. H., Leventhal, B. L., Castellanos, F. X., Fox, N. A., and Milham, M. P. (2014). *Intrinsic brain indices of threat bias*. Poster presented at the 44th annual meeting of the Society for Neuroscience, Nov. 15–19, Washington, DC, USA.

Yang, Z., **Lurie, D.**, O'Connor, D., Craddock, C., and Milham, M. (2014). *Impact of hematocrit on measurement of the intrinsic brain*. Poster presented at the Organization for Human Brain Mapping 2014 annual meeting, June 8–12, Hamburg, Germany.

Lurie, D., Shehzad, Z., Levelthal, B., Tobe, R., Gabbay, V., Castellanos, F. X., and Milham, M. P. (2014). *Connectome-wide signatures of dimensional psychiatric symptomatology*. Poster presented at the 69th annual scientific meeting of the Society for Biological Psychiatry, May 8–12, New York, NY, USA. DOI: [10.6084/m9.figshare.1021696.v1](https://doi.org/10.6084/m9.figshare.1021696.v1).

Puzia, M. E., **Lurie, D. J.**, Cushman, G. K., Wegbreit, E., Weissman, A. B., Kim, K. L., Castellanos, F. X., Milham, M. P., and Dickstein, D. P. (2014). *Resting-state functional connectivity in children with primary bipolar disorder or attention deficit/hyperactivity disorder*. Poster presented at the 69th annual scientific meeting of the Society for Biological Psychiatry, May 8–12, New York, NY, USA.

Lurie, D. J., Gorgolewski, C., Shehzad, Z., Craddock, C., Milham, M. P., Margulies, D. S., and Smallwood, J. (2013). *The brain's functional architecture reflects differences in the content, modality, and organization of self-generated thought*. Poster presented at the 43rd annual meeting of the Society for Neuroscience, Nov. 15–19, Washington, DC, USA. DOI: [10.6084/m9.figshare.853837.v5](https://doi.org/10.6084/m9.figshare.853837.v5).

WORKSHOPS AND MEETINGS	Organizing Chair , Brainhack Global San Francisco 2017 Co-Organizer , Brainhack Americas Berkeley Student Participant , UQÀM Summer School in Cognitive Sciences 2012	March 3—5, 2017 Oct. 23—24, 2015 June 19—July 11, 2012
OUTREACH AND COMMUNICATION	Contributor , PLOS Neuroscience Community, #SfN15 and #SfN16 . Staff Photographer , Berkeley Science Review	2015, 2016 Spring and Fall 2016
SERVICE	ad hoc reviewer , Nature Scientific Reports, Journal of Neuroscience Graduate Student Mentor , UC Berkeley URAP	2015–Present
RELATED SKILLS	<ul style="list-style-type: none">- Scientific computation and data visualization (Github username: danlurie).- fMRI acquisition (Siemens) and analysis (NIPY, FSL, AFNI).- EEG acquisition (Neuroscan, EGI) and preprocessing (BESA).- Data curation and sharing (COINS, NITRC).- Web development (HTML/CSS, Sphinx, Flask, WordPress).- Graphic design and document layout (Photoshop, Illustrator, \LaTeX).	
REFERENCES	<i>Available upon request</i>	