DALE ZHOU

Last update: June 15, 2023

CONTACT INFORMATION

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Philadelphia, PA 19104

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dalejn@gmail.com

RESEARCH POSITIONS

Postdoctoral Scholar — August 2023
University of California, Irvine
Department of Neurobiology and Behavior
Advisors: Michael Yassa, Aaron Bornstein

Postbaccalaureate Researcher — June 2017
National Institute of Mental Health
Child Psychiatry Branch
Advisor: Judith Rapoport

EDUCATION

University of Pennsylvania — June 2023
Ph.D in Neuroscience
Advisors: Dani Bassett, Theodore Satterthwaite

University of Maryland, College Park — May 2015
B.A. (honors) in Philosophy
B.S. (honors) in Psychology
Minor in Neuroscience
Advisors: Peter Carruthers, Michael Dougherty, D.J. Bolger

PUBLICATIONS

SUBMITTED/ UNDER REVISION

* = mentee

[3] **Zhou, D.**, Tseytlin, I.*, Satterthwaite, T.D., & Bassett, D.S. (2023). Predictive coding from compression, control, and recurrent connectivity in human brain networks (invited to special issue at ***Open Mind***).

[2] Stiso, J., Oudyk, K., Bertolero, M.A., **Zhou, D.**, Teich, E.G., Lydon-Staley, D.M., Zurn, P., & Bassett, D.S. (2022). Modeling observed gender imbalances in academic citation practices.
***arXiv*: 10.48550/arXiv.2204.12555**

[1] Bertolero, M.A., Dworkin, J.D., David, S.U., López Lloreda, C., Srivastava, P., Stiso, J., **Zhou, D.**, Dzirasa, K., Fair, D.A., Kaczkurkin, A.N., Marlin, B.J., Shohamy, D., Uddin, L.Q., Zurn, P., & Bassett, D.S. (2020). Racial imbalance in neuroscience reference lists and intersections with gender.
***bioRxiv*: 2020.10.12.336230**

JOURNAL ARTICLES

[13] Patankar, S.P., **Zhou, D.**, Lynn, C.W., Kim, J., Ouellet, M., Ju, H., Zurn, P., Lydon-Staley, D.M., & Bassett, D.S. (2022). Curiosity as filling, compressing, and reconfiguring knowledge networks. ***Collective Intelligence*** (accepted in principle). *arXiv*: 10.48550/arXiv.2204.01182

[12] Mahadevan, A., Cornblath, E., Lydon-Staley, D.M., **Zhou, D.**, Parkes, L., Larsen, B., Adebimpe, A., Kahn, A.E., Gur, R.C., Gur, R.E., Satterthwaite, T.D., Wolf, D.H., & Bassett, D.S. (2023). Alprazolam modulates persistence

energy during emotion processing in first-degree relatives of individuals with schizophrenia: a network control study. **Molecular Psychiatry** (accepted in principle).

[11] **Zhou, D.**, Kang, Y., Cosme, D. Jovanova, M., He, X., Mahadevan, A., Ahn, J., Stanoi, O., Brynildsen, J.K., Cooper, N., Cornblath, E.J., Parkes, L., Mucha, P., Ochsner, K., Lydon-Staley, D., Falk, E., & Bassett, D.S. (2022). Mindful Attention Promotes Control of Brain Network Dynamics for Self-Regulation and Discontinues the Past from the Present. ***PNAS***. DOI: 10.1073/pnas.220107411

[10] Richie-Halford, A., Cieslak, M., Ai, L., Caffarra, S., Covitz, S., Franco, A.R., Karipidis, I.I., Kruper, J., Milham, M., Avelar-Pereira, B., Roy, E., Sydnor, V.J., Yeatman, J.D., [The Fibr Community Science Consortium, including **Zhou, D.**], Satterthwaite, T.D., and Rokem, A. (2022). An open, analysis-ready, and quality controlled resource for pediatric brain white-matter research. ***Scientific Data***. DOI: 10.1038/s41597-022-01695-7

[9] Ju, H., **Zhou, D.**, Blevins, A.S., Lydon-Staley, D.M., Kaplan, J., Tuma, J.R., Bassett, D.S. (2022). Historical growth of concept networks in Wikipedia. ***Collective Intelligence***. DOI: 10.1177/26339137221109839

[8] Weninger, L., Srivastava, P., **Zhou, D.**, Kim, J.Z., Cornblath, E.J., Bertolero, M.A., Habel, U., Merhof, D., and Bassett, D.S. (2022). The information content of brain states is explained by structural constraints on state energetics. ***Physical Review E***. DOI: 10.1103/PhysRevE.106.014401

[7] Adebimpe, A., Bertolero, M.A, [33 others, including **Zhou, D.**, and the ALLFTD Consortium], & Satterthwaite, T.D. (2022). ASLPrep: A Platform for Processing of Arterial Spin Labeled MRI and Quantification of Regional Brain Perfusion. ***Nature Methods***. DOI: 10.1038/s41592-022-01458-7

[6] **Zhou, D.**, Lynn, C.W., Cui, Z., Ciric, R., Baum, G.L., Moore, T.M., Roalf, D.R., Detre, J.A., Gur, R.C., Gur, R.E., Satterthwaite, T.D., & Bassett, D.S. (2021). Efficient Coding in the Economics of Human Brain Connectomics. ***Network Neuroscience.*** DOI: 10.1162/netn_a_00223

[5] Wang, X., Dworkin, J.D., **Zhou, D.**, Stiso, J., Falk, E., Bassett, D.S., Zurn, P., Lydon-Staley, D.M. (2021). Gendered citation practices in the field of communication. ***Annals of the International Communication Association***. DOI: 10.31234/osf.io/ywrcq

[4] Lydon-Staley, D.M., **Zhou, D.**, Blevins, A.S., Zurn, P., & Bassett, D.S. (2020). Hunters, busybodies, and the knowledge network building associated with deprivation curiosity. ***Nature Human Behavior.*** DOI: 10.1038/s41562-020-00985-7

[3] Chai, L.R., **Zhou, D.**, & Bassett, D.S. (2019). Evolution of semantic networks in biomedical texts. ***Journal of Complex Networks.*** DOI: 10.1093/comnet/cnz023

[2] **Zhou, D.**, Liu, S., Zhou, X., Berman, R.A., Broadnax, D.D., Rapoport, J.L, & Thomas, A.G. (2018) 7 Tesla MRI reveals hippocampal structural abnormalities associated with memory intrusions in childhood-onset schizophrenia. ***Schizophrenia Research.*** DOI: 10.1016/j.schres.2018.07.023

[1] **Zhou, D.**, Gochman, P., Broadnax, D.D., Rapoport, J.L., & Ahn, K. (2016). 15q13.3 duplication in two patients with childhood-onset schizophrenia. ***American Journal of Medical Genetics Part B: Neuropsychiatric Genetics.*** DOI: 10.1002/ajmg.b.32439

Reviews & Book Chapters

[5] Zurn, P., **Zhou, D.**, Lydon-Staley, D.M., & Bassett, D.S. (2022). Edgework: Viewing curiosity as fundamentally relational. In Cogliati Dezza, I., Wu, C., & Schulz, E. (Eds.). ***The Drive for Knowledge: The Science of Human Information Seeking.*** Cambridge University Press. **[pre-print]**

[4] **Zhou, D.**, Lydon-Staley, D.M., Zurn, P., & Bassett, D.S. (2020). The growth and form of knowledge networks by kinesthetic curiosity. ***Current Opinion in Behavioral Sciences.*** DOI:10.1016/j.cobeha.2020.09.007

[3] Srivastava, P., Nozari, E., Kim, J.Z., Ju, H., **Zhou, D.**, Becker, C., Pasqualetti, F., & Bassett, D.S. (2020). Models of communication and control for brain networks: distinctions, convergence, and future outlook. ***Network Neuroscience.*** DOI: 10.1162/netn_a_00158

[2] Rapoport, J. L., **Zhou, D.**, & Ahn, K. (2020). Intellectual disabilities. *New Oxford Textbook of Psychiatry, 3rd edition.* Oxford University Press, USA. ISBN: 9780198713005

[1] **Zhou, D.**, Sequeira, S., Driver, D., & Thomas, S. (2018). Disruptive Mood Dysregulation Disorder. In S. Thomas and D. Driver (Eds.), *Complex Disorders in Pediatric Psychiatry: A Clinician's Guide.* Clinics Review Articles, Elsevier Inc. ISBN: 9780323511476

Refereed Conference Papers

[4] **Zhou, D.**, Tseytlin, I.*, Satterthwaite, T.D., & Bassett, D.S. (2023). Predictive coding from compression, control, and recurrent connectivity in human brain networks. ***Conference on Cognitive Computational Neuroscience***.

[3] Kang, Y., Ahn, J., Cosme, D., McGowan, A., Mwilambwe-tshilobo, L., **Zhou, D.**, Jovanova, M., Stanoi, O., Mucha, P.J., Ochsner, K.N., Bassett, D.S., Lydon-Staley, D. & Falk, E.B. Frontoparietal system functional connectivity moderates the within-day associations between increases in time spent on social media and subsequent negative affect. ***73rd Annual International Communication Association Conference.*** Toronto, CA. May 25-29, 2023.

Promising Paper Award

[2] **Zhou, D.**, Kim, J.Z., Pines, A., Sydnor, V.J., Roalf, D.R., Detre, J.A., Gur, R.C., Gur, R.E., Satterthwaite, T.D., & Bassett, D.S. Compression supports low-dimensional representations of behavior across neural circuits. ***NeurIPS 2022 Workshop on Information-Theoretic Principles in Cognitive Systems***. New Orleans, LA. December 3, 2022.

Selected for oral talk (< 10% submissions)

[1] Wang, X., Lydon-Staley, D., Stiso, J., **Zhou, D.**, Falk, E., Bassett, D., Zurn, P. Gendered citation practices in the field of communication. ***71st Annual International Communication Association Conference.*** (virtual due to COVID-19). May 27-31, 2021.

Communication & Science Biology Top Paper Award

In Prep

[5] **Zhou, D.**, Patankar, S., Gerlach, M., Lydon-Staley, D.M., Zurn, P., & Bassett, D.S. Architectural styles of curiosity in Wikipedia readers.

[4] Parkes, L., Kim, J.Z., Brynildsen, J.K., Cieslak, M., Covitz, S., Gur, R.E., Gur, R.C., Pasqualetti, F. Shinohara, R.T., Stiso, J., **Zhou, D.**, Satterthwaite, T.D., & Bassett, D.S. Using network control theory to study the dynamics of the structural connectome.

[3] **Zhou, D.**, Kim, J.Z., Pines, A., Sydnor, V.J., Roalf, D.R., Gur, R.C., Gur, R.E., Satterthwaite, T.D., & Bassett, D.S. Integrating sensation to cognition in human brain networks.

[2] **Zhou, D.**, Lydon-Staley, D.M., Mucha, P., Falk, E., Ochsner, K., & Bassett, D.S. Cognitive control & network control: Current tensions and future promise.

[1] Simon, S.*, **Zhou, D.**, [23 others in the Spring 2019 class of BE566], Lydon-Staley, D.M., & Bassett, D.S. Diversity in neuroscience research.

FUNDING

2021-23 NIH F31 National Research Service Award
Grant # F31MH126569 | $52,175
Brain Network Maturation and Executive Dysfunction Spanning Diagnostic Categories of Psychopathology

2015-17 NIH Intramural Research Training Award
Child Psychiatry Branch | $57,400

HONORS

2015	Departmental Honors in Psychology	UMaryland
2015	Departmental Honors in Philosophy	UMaryland
2010-12	College Park Scholar in Global Public Health	UMaryland
2010-14	University of Maryland President's Scholarship	UMaryland

STIPENDS

2023	Biomedical Graduate Studies Course Funds	UPenn
2022	Biomedical Graduate Studies Travel Funds	UPenn
2019	National Academy of Sciences Travel Award	NAS
2018-20	Language and Communication Sciences Stipend	UPenn
2013	College Park Scholars Co-Curricular Scholarship	UMaryland
2011	Ling Ho Anita K'ung Tong Scholarship	UMaryland

PRESENTATIONS

Talks

[3] ***NeurIPS 2022*** Workshop on Information-Theoretic Principles in Cognitive Systems. New Orleans, LA. December 3, 2022. Compression supports low-dimensional representations of behavior across neural circuits. `link`

($< 10\%$ submissions selected)

[2] ***National Academy of Sciences*** Colloquium: The Brain Produces the Mind By Modeling. Irvine, California. May 1, 2019. Network Mechanisms of Curiosity and Information Seeking During Wikipedia Exploration.

[1] 9^{th} ***Annual Julius Axelrod Symposium***. NIMH, Intramural Research Program. Bethesda, Maryland. April 13, 2017. Ultra-high field 7-Tesla MRI reveals hippocampal subfield volume and shape abnormalities in childhood-onset schizophrenia patients compared to healthy siblings and controls.

Invited Talks

2023	**International Research Training Group**	RWTH Aachen
2023	**Yassa Lab**; **Bornstein Lab**	UC Irvine
2023	**Poldrack Lab**	Stanford
2023	**Astle Lab**	Cambridge

Abstracts

[16] **Zhou, D.**, Tseytlin, I.*, Satterthwaite, T.D., & Bassett, D.S. (2023). Predictive coding from compression, control, and recurrent connectivity in human brain networks. ***Conference on Cognitive Computational Neuroscience***.

[15] Gataviņš, M.*, Luo, A., Sydnor, V.J., Shafiei, G., **Zhou, D.**, Gur, R.E., Gur, R.C., Mackey, A.P., Satterthwaite, T.D., Keller, A.S. ***Flux Society***. Santa Rosa, California. September 6-9, 2023.

[14] **Zhou, D.**, Patankar, S., Gerlach, M., Lydon-Staley, D.M., Zurn, P., & Bassett, D.S. Dynamics Of Curiosity And Complexity In Wikipedia Readers. **Curiosity, Creativity and Complexity conference** (unable to attend). Columbia University, New York City, New York. May 23-25 2023.

[13] **Zhou, D.**, Kim, J.Z., Pines, A., Sydnor, V.J., Roalf, D.R., Detre, J.A., Gur, R.C., Gur, R.E., Satterthwaite, T.D., & Bassett, D.S. Compression supports low-dimensional representations of behavior across neural circuits. ***NeurIPS 2022 Workshop on Information-Theoretic Principles in Cognitive Systems***. New Orleans, LA. December 3, 2022.

[12] Brynildsen, J. K., **Zhou, D.**, Cosme, D., Jovanova, M., He, X., Mucha, P.J., Ochsner, K.N., Lydon-Staley, D.M. , Falk, E. B., Bassett, D.S. Regulation of alcohol cue reactivity in a social context. ***Society for Neuroscience***. San Diego, CA. November 12, 2022.

[11] **Zhou, D.**, Lynn, C.W., Cui, Z., Ciric, R., Baum, G.L., Moore, T.M., Roalf, D.R., Detre, J.A., Gur, R.C., Gur, R.E., Satterthwaite, T.D., & Bassett, D.S. Network Fidelity Improves with Brain Network Maturation and Executive Function. ***Flux Society***. Paris, France. September 6-9, 2022.

[10] **Zhou, D.**, Kim, J.Z., Pines, A., Sydnor, V.J., Roalf, D.R., Detre, J.A., Gur, R.C., Gur, R.E., Satterthwaite, T.D., & Bassett, D.S. Communication and compression principles integrate sensation to cognition in human brain networks. ***Organization for Human Brain Mapping***. June 19-23, 2022.

[9] **Zhou, D.**, Kang, Y., Cosme, D. Jovanova, M., He, X., Mahadevan, A., Stanoi, O., Brynildsen, J.K., Cooper, N., Cornblath, E.J., Parkes, L., Mucha, P., Ochsner, K., Lydon-Staley, D., Falk, E., and Bassett, D.S. Mindfulness Promotes Control of Network Dynamics for Self-Regulation and Updates the Past to Present. ***Organization for Human Brain Mapping***. June 19-23, 2022.

[8] Ju, H., **Zhou, D.**, Blevins, A.S., Lydon-Staley, D.M., Kaplan, J., Tuma, J.R., Bassett, D.S. The network structure of scientific revolutions. ***American Physical Society March Meeting*** (virtual due to COVID-19). March 15-19, 2021.

[7] **Zhou, D.**, Lynn, C.W., Cui, Z., Ciric, R., Baum, G.L., Moore, T.M., Roalf, D.R., Detre, J.A., Gur, R.C., Gur, R.E., Satterthwaite, T.D., & Bassett, D.S. Efficient Coding in the Economics of Human Brain Connectomics. ***Organization for Human Brain Mapping***. Montreal, CA (virtual due to COVID-19). June 23-July 3, 2020.

[6] **Zhou, D.**, Lydon-Staley, D., Zurn, P., Bassett, & D.S. Network Mechanisms of Curiosity and Information Seeking During Wikipedia Exploration. ***National Academy of Sciences Colloquium: The Brain Produces the Mind By Modeling***, Beckman Center of the National Academy of Sciences & Engineering, Irvine, California. May 1-3, 2019.

[5] **Zhou, D.**, Liu, S., Zhou, X., Berman, R.A., Broadnax, D.D., Rapoport, J.L, & Thomas, A.G. Ultra-high field 7-Tesla MRI reveals hippocampal subfield volume and shape abnormalities in childhood-onset schizophrenia patients compared to healthy siblings and controls. 9^{th} ***Annual Julius Axelrod Symposium***, Bethesda, Maryland. April 13, 2017.

[4] **Zhou, D.**, Liu, S., Zhou, X., Berman, R.A., Broadnax, D.D., Rapoport, J.L, & Thomas, A.G. Ultra-High Field 7-Tesla MRI Shape Analysis of Hippocampal Subfields in Childhood-Onset Schizophrenia and Healthy Siblings. ***Society of Biological Psychiatry***, San Diego, California. May 18-20, 2017.

[3] **Zhou, D.**, Liu, S., Berman, R.A., Broadnax, D.D., Rapoport, J.L, & Thomas, A.G. 7-Tesla MRI Reveals Regional Hippocampal Deficits in Childhood-Onset Schizophrenia. ***American College of Neuropsychopharmacology***, Hollywood, Florida. In *Neuropsychopharmacology.* December 4-8, 2016.

[2] **Zhou, D.**, Liu, S., Berman, R.A., Broadnax, D.D., Rapoport, J.L, & Thomas, A.G. 7-Tesla MRI reveals regional hippocampal volume deficits of dentate gyrus in childhood-onset schizophrenia. ***Society for Neuroscience***, San Diego, California. November 12-16, 2016.

[1] **Zhou, D.**, Gochman, P., Broadnax, D.D., Rapoport, J.L., & Ahn, K. 15q13.3 duplication in two patients with childhood-onset schizophrenia. ***Society of Biological Psychiatry***, Atlanta, Georgia. May 12-14, 2016.

TEACHING

Teaching Assistant

2022	Teaching Assistant, Goals of Scientific Inquiry; or, On the Curiosity of Beasts (with Dani Bassett) Student evaluation of TA: 3.6/4.0
2020	Teaching Assistant, Curiosity: Ancient and Modern Thinking About Thinking (with Dani Bassett) Student evaluation of TA: not rated
2019	Teaching Assistant, Computational Neuroscience Lab (with Nicole Rust) Student evaluation of TA: 3.7/4.0

Guest Lecturer

2022	Goals of Scientific Inquiry (BE 571)	(with Dani Bassett)
2019-20	Network Neuroscience (BE 566)	(with Dani Bassett)
2019	Computational Neuroscience Lab (BIBB 310)	(with Nicole Rust)

Students Advised

[3] Ivan Tseytlin — Haverford College, Physics; Computer Science 2023
Network control theory

[2] Samantha Simon — University of Pennsylvania, Physics 2023
Diversity in science; network science; semantic networks
(Accenture AI)

[1] Mark Choi — University of Pennsylvania, Computer Science 2021
Network structure in mathematics
(Meta)

SERVICE

Mentorship

2020–21 MindCORE Step-Ahead Mentorship Program, [link]

Mārtiņs M. Gataviņš University of Pennsylvania, Neuroscience 2024

2019–21 Upward Bound: Research Fridays, [link]

Journal Reviewer

Biological Psychiatry | Cerebral Cortex | IEEE: Transactions on Network Science and Engineering | Network Neuroscience

Conference Reviewer

Cognitive Computational Neuroscience | NeurIPS (Information-Theoretic Principles in Cognitive Systems workshop) | Web Conference (Wiki Workshop)

Co-organizer & Program Committee

Innovators in Cognitive Neuroscience Symposia | Web Conference (Wiki Workshop)

Hackathons

Stiso, J.* & **Zhou, D.*** (2020). *Tools for Combating Citation Bias.* Organization for Human Brain Mapping Hackathon, Montreal, Canada. June 16–18, 2020. [link]

Invited Talks

Panelist, Post-Baccalaureate Research Experiences, University of Maryland. March 30, 2017.

DEI

2019– Creator/Maintainer, Citation Diversity Statement Code Notebook, [link]

- Used and cited by >100 articles across >30 journals.
- Contributions from researchers across 11 universities, including Penn, MIT, Columbia, and University of Michigan, Leiden University, and Technical University of Munich.
- Highlighted by ***Nature***.

2022 Kamen's Lens. Rebecca Kamen, S.J. Fowler, Dale Zhou. *Dyslexic Dictionary.* Organized and curated by Gil Gershoni, Tasmin Smith, and Ted Gioia. Arion Press Gallery, 1802 Hays Street, The Presidio, San Francisco, CA. October 22–December 22, 2022. [link] [video 1] [video 2]

2020–22 Organizing Committee, Innovators in Cognitive Neuroscience Symposia. [link]

2020 Stiso, J.* & **Zhou, D.*** (2020). *Tools for Combating Citation Bias.* Organization for Human Brain Mapping Hackathon, Montreal, Canada. June 16–18, 2020. [link]

2020–21 Web Developer, Black in STEM in Academia

OUTREACH

Organizations

2020–22 Organizing Committee, Innovators in Cognitive Neuroscience Symposia, [link]

2020–21 Web Developer, Black in STEM in Academia
2019–20 Organizer, Web Developer, Penn Network Visualization program
2019–21 Apprentice Chief, Upward Bound: Research Fridays, [link]
2019–20 Committee, APICAL Service Award
2017–20 Section Chief, Brains in Brief science communication, [link]
2017–18 Founder, Psychology Honors Alumni (University of Maryland)
2014–15 Vice President, Philosophy Club (University of Maryland)

Art
Exhibitions

[2] Kamen's Lens. Rebecca Kamen, S.J. Fowler, Dale Zhou. *Dyslexic Dictionary.* Organized and curated by Gil Gershoni, Tasmin Smith, and Ted Gioia. Arion Press Gallery, 1802 Hays Street, The Presidio, San Francisco, CA. October 22–December 22, 2022. [link] [video 1] [video 2]

[1] Sparking Curiosity. Dale Zhou, David Lydon-Staley, Perry Zurn, and Dani Bassett. *Reveal: The Art of Reimagining Scientific Discovery.* Organized and curated by Rebecca Kamen and Sarah Tanguy. Museum at the Katzen Arts Center, American University, Washington, D.C., August 29–December 12, 2021. [link]

Art Catalogs

The Connected Brain. Human Brain Mapping Conference. ISBN 9798357985361

MEDIA

[5] Natalia Gass. (February 17, 2023) *Neural states during mindful attention.* ***Nature Mental Health***.

[4] Nathi Magubane (January 26, 2023) *Through the lens: A digital depiction of dyslexia.* ***Penn Today***.

[3] Diana Kwon (March 22, 2022) *The rise of citational justice: how scholars are making references fairer.* ***Nature***.

[2] Melissa Pappas (January 26, 2021) *Researchers measure different types of curiosity studying hunters and busybodies.* ***Penn Today***.

[1] Melissa Pappas (January 12, 2021) *Studying Hunters and Busybodies, Penn and American University Researchers Measure Different Types of Curiosity.* ***Penn Engineering Today***.

CODE

[4] **Zhou, D.** (2022). Sparking Curiosity, [link]

[3] **Zhou, D.**, Stiso, J., Cornblath, E.J., Teich, E.G., Blevins, A.S., Oudyk, K., Cleanthis, M., Urai, A., Matelsky, J., Virtualmario, Camp, C., Alacantra Castillo, R., Saxe, R., Dworkin, J.D., & Bassett, D.S. (2022). *Citation Diversity Statement and Code Notebook v1.1.3.* Zenodo. **DOI: 10.5281/zenodo.7375250**

[2] **Zhou, D.** (2018). *Building word2vec and Co-Occurrence Networks*, [link]

[1] Gorgolewski, K.J., Esteban, O., [110 others, including **Zhou, D.**], & Ghosh, S. (2016). *Nipype: a flexible, lightweight and extensible neuroimaging data processing framework in Python. 0.13.0.* **DOI: 10.5281/zenodo.581704**

TRAINING

Programming	R | Python | MATLAB | Bash
Image Processing	Nipype | Freesurfer | ANTs | FSL | AFNI
Modeling	Dynamics on networks | Temporal networks | Multi-layer networks | Agent-based modeling | Evolutionary computation | Control theory | Natural language processing | Generalized additive models
Workshops	Collective Intelligence: Foundations + Radical Ideas symposium & short course. Santa Fe, NM. June 19, 2023
	NeurIPS 2022 workshop Information-Theoretic Principles in Cognitive Systems workshop. New Orleans, LA. December 3, 2022
	Summer Workshop in Cognitive Electrophysiology, Philadelphia, PA (virtual). August 4-13, 2020.
	Computational Psychiatry Summer Course, New York, NY. July 29-30, 2019.