HAILY MERRITT

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h-merritt.github.io
London, UK

RESEARCH INTERESTS

complex systems science; network neuroscience; social & developmental neuroscience; social neuroecology; evolutionary & adaptive models; dynamical systems

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ACADEMIC APPOINTMENTS

Postdoctoral Research Associate *7.2025 - present*
Network Science Institute, Northeastern University London, London, UK

Graduate Research Assistant *1.2024 – 7.2025*
Department of Psychological & Brain Sciences, Indiana University Bloomington, USA

Associate Instructor *8.2022 – 12.2023*
Program in Cognitive Science, Indiana University Bloomington, USA

Graduate Research Fellow *8.2020 – 8.2022*
Department of Informatics, Indiana University Bloomington, USA

Lab Manager & Project Coordinator *7.2018 – 8.2020*
Department of Human Development, Cornell University, USA

EDUCATION

Indiana University Bloomington, USA *8.2020 – 5.2025*
Dual PhDs in Informatics (Complex Networks & Systems track) and Cognitive Science
Dissertation: "Connection & Context: Brain network organization varies across social environments"
Committee: Dr. Richard F. Betzel (chair), Dr. Olaf Sporns (co-chair), Dr. Randall Beer, Dr. Gregory Lewis

Northeastern University London, London, UK *Summer 2024*
Visiting Research Scholar

CENTAI Institute, Turin, Italy *Summer 2024*
Visiting Research Scholar

Indiana University, Bloomington, USA *8.2013 – 5.2018*
BAs in Linguistics (with Departmental Honors), Cognitive Science (with concentration in Neuroscience), and Central Eurasian Studies; *Summa cum laude*
Honors thesis: "Language Mode Influences Language-Specific Categorization"
Advisor: Dr. Isabelle Darcy

AWARDS, HONORS, GRANTS, & SCHOLARSHIPS

Outstanding Research Achievement Award Nominee *2025*
Emerging Scholar in Psychological Science *2025*

AccelNet-Multinet Exchange Fellowship	*2024*
Wells Graduate Fellowship Nominee	*2024*
PEO Scholars Award Nominee	*2023*
Outstanding Teaching Award in Cognitive Science	*2023*
Luddy Diversity PhD Fellowship	*2023*
Google PhD Fellowship Nominee for Indiana University	*2022*
Microsoft Research PhD Fellowship Nominee for Indiana University	*2022*
ALIFE 2022 Top 5 Papers	*2022*
NSF Research Traineeship in Complex Networks & Systems	*2020, 2021*
Hutton Honors Notation	*2018*
Outstanding Undergraduate Achievement Award	*2018*
Founders Scholar Award	*2013, 2014, 2015, 2017*
College of Arts & Sciences Executive Dean's List	*2013, 2014, 2015, 2017*
Cox Research Scholarship	*2013, 2014, 2015, 2017*
Hutton Pre-Professional Experience Internship Grant	*2017*
Turkish Flagship Overseas Study Grant	*2016*
Hutton Family Study Abroad Scholarship	*2016*
Hutton International Experiences Program Grant	*2016*
Outstanding Research Award	*2016*
Anderson Overseas Study Scholarship	*2016*

BRIEF RESEARCH STATEMENT

My work approaches brain science from a humanistic perspective, drawing from biological theory and complex systems science methods, with consequences for the social sciences. I am interested in the origins and consequences of sociality with an emphasis on variation, context, interaction, and dynamics and what this means for wellbeing. To approach this multi-faceted phenomenon, I pursue two angles of research: (1) I identify how human brain network organization varies in concert with social environmental experiences over the lifespan by innovating on cutting edge analyses from network science and (2) I investigate foundational principles and assumptions of social interaction with dynamical models of interacting artificial agents. I leverage big data from openly available datasets to appeal broadly to human experience as well as computer simulations to facilitate ground truth understanding. Across both angles, I aim to clarify how human mental health and wellbeing are intertwined with our sociality.

PUBLICATIONS & PRESS

Published

Poetto, S., **Merritt, H.**, Santoro, A., Rabuffo, G., Battaglia, D., Vaccarino, F., Saggar, M., Brovelli, A., & Petri, G. (2025). The topological architecture of brain identity. bioRxiv. Link to preprint.

Koch, M.K., **Merritt, H.**, McCormick, K., Inniss-Thompson, M., & Mendle, J. (2025). Are you there, God? It's me, gender stereotypes in coming-of-age novels. *Journal of Research on Adolescence, 35*(2), e70036.

Merritt, H., Faskowitz, J., Gonzalez, M.Z., & Betzel, R.F. (2024). Stability and variation of brain-behavior correlation patterns across measures of social support. *Imaging Neuroscience.* Preprint: bioRxiv. https://doi.org/10.1101/2023.03.23.533966

Nomura, K., Rella, S., **Merritt, H.**, Bird, D., Baltussen, M., & Falk, D. (2024). Tipping Points of Space Debris in Low Earth Orbit. *International Journal of the Commons, 18*(1), 17-31. DOI: **10.5334/ijc.1275**. Link to PDF.

Merritt, H., Severino, G., & Izquierdo, E. (2023). The Dynamics of Social Interaction among Evolved Model Agents. *Artificial Life 29*(4), 1-24. Link to PDF.

Severino, G., **Merritt, H.**, & Izquierdo, E. (2023). Between you and me: A systematic analysis of mutual social interaction in perceptual crossing agents. ALIFE 2023: *Proceedings of the 2023 Conference on Artificial Life*. Link to PDF.

Izquierdo, E., Severino, G., & **Merritt, H.** (2022). Perpetual Crossers without Sensory Delay: Revisiting the Perceptual Crossing Simulation Studies. ALIFE 2022: *Proceedings of the 2022 Conferences on Artificial Life.* Link to PDF.

Chumin, E., Faskowitz, J., Esfahlani, F.Z., **Merritt, H.**, Tanner, J.C., Cutts, S., Pope, M., Betzel, R.F., & Sporns, O. (2022). Cortico-Subcortical Interactions in Overlapping Communities of Edge Functional Connectivity. *NeuroImage, 250, 118971*. Link to PDF.

Esfahlani, F.Z., Jo, Y., Puxeddu, M.G., **Merritt, H.**, Tanner, J.C., Greenwell, S., Patel, R., Faskowitz, J., & Betzel, R.F. (2021). Modularity maximization as a flexible and generic framework for brain network exploratory analysis. *NeuroImage, 244, 118607*. Link to PDF.

Merritt, H. (2019). Embodied Grammaticalizations of Time in Hakha Chin. *Indiana University Working Papers in Southeast Asian Languages 1*(1). Link to PDF.

Merritt, H. (2019). Language Mode Influences Language-Specific Categorization. *Indiana University Journal of Undergraduate Research 4*(1), 118-123. Link to PDF.

In Review or Revision

Merritt, H., Koch, M.K., Youngheun, J., Chumin, E., & Betzel, R.F. (In Review). Social 'envirotyping' the ABCD study contextualizes dissociable brain network organization and divergent outcomes. *Social Cognitive Affective Neuroscience*. Link to Preprint.

Merritt, **H.**, Rakesh, D., & Betzel, R.F. (In Review). Connection & context: The neural architecture of social relationships. *Trends in Cognitive Sciences.*

Merritt, H., Mejia, A., Betzel, R.F. (In Review). The dual interpretation of edge time series: Time-varying connectivity versus statistical interaction. *iScience. Link to Preprint.*

Koch, M.K., **Merritt, H.**, & Mendle, J. (In Review). Sanitized and Sexualized: Text Comparison of Puberty in ChatGPT, Television, and Youth. *Journal of Youth and Adolescence*.

In Prep

Merritt, H., Poetto, S., Betzel, R.F., & Petri, G. (In Prep). Leveraging informed multilayer network coupling contextualizes variability in brain-behavior associations.

Merritt, H., Hughes, C., French, R., Betzel, R.F., & Krendl, A.C. (In Prep). Multivariate associations between social environment and functional connectivity in older adults.

French, R., Hughes, C., **Merritt, H.**, Betzel, R.F., & Krendl, A. (In Prep). Naturalistic theory of mind measurement localized neural activity and connectivity within single model framework.

Hartle, H., …**Merritt, H.**, ... & de Miguel-Arribas, M. (In Prep). CourseNet: Coarse-graining complex networks.

P R E S E N T A T I O N S & T A L K S

Refereed

* mentee, † won award, ^ co-first authors

Merritt, H., Hughes, C., French, R., Betzel, R.F., & Krendl, A.C. (2025). Multivariate associations between social environment and functional connectivity in older adults. Annual Meeting of the Social and Affective Neuroscience Society. Chicago, USA.

French, R., Hughes, C., **Merritt, H.**, Betzel, R.F., & Krendl, A. (2025). Naturalistic theory of mind measurement localized neural activity and connectivity within single model framework. Annual Meeting of the Social and Affective Neuroscience Society. Chicago, USA.

Merritt, H., Poetto, S., Betzel, R.F., & Petri, G. (2025). Leveraging multivariate data for informed coupling in multilayer brain networks. Annual Meeting of the Network Science Society. Maastricht, the Netherlands.

Merritt, H., Poetto, S., Betzel, R.F., & Petri, G. (2025). Leveraging multivariate data for informed coupling in multilayer brain networks. Annual Meeting of the Organization for Human Brain Mapping. Brisbane, Australia.

Koch, M.K., **Merritt, H.**, & Mendle, J. (2025). Does Menstruation Lack Representation? Physical Change in Youth, ChatGPT, and Television Contexts. Biennial Meeting of the Society for Research on Child Development. Minneapolis, MN, USA.

Merritt, H., Mejia, A., & Betzel, R.F. (2024). Situating edge time series within the generalized linear model framework. Annual Meeting of the Network Science Society. Quebec City, Canada.

Jo, Y., **Merritt, H.**, Faskowitz, J., & Betzel, R.F. (2024). Hierarchical communities of high-amplitude co-fluctuations in extremity disuse. Organization for Human Brain Mapping. Seoul, South Korea.

Betzel, R.F., **Merritt, H.**, & Mejia, A. (2024). Situating edge time series within the generalized linear model framework. Organization for Human Brain Mapping. Seoul, South Korea.

Merritt, H., Koch, M.K., Youngheun, J., Chumin, E., & Betzel, R.F. (2024). Social experiences defines hierarchical and dynamic groups with dissociable functional brain network organization. Society for Research on Adolescence. Chicago, USA.

Koch, M.K., **Merritt, H.**, & Mendle, J. (2024). Sanitized and sexualized: Puberty according to youth, ChatGPT, and television. Society for Research on Adolescence. Chicago, USA.

Merritt, H., Koch, M.K., Youngheun, J., Chumin, E., & Betzel, R.F. (2024). Social experiences defines hierarchical and dynamic groups with dissociable functional brain network organization. Blitz talk presented at the Annual Meeting of the Social and Affective Neuroscience Society. Toronto, Canada.

Merritt, H., Koch, M.K., Youngheun, J., Chumin, E., & Betzel, R.F. (2024). Social experiences defines hierarchical and dynamic groups with dissociable functional brain network organization. Poster Presented at the Annual Meeting of the Social and Affective Neuroscience Society. Toronto, Canada.

Merritt, H., Mejia, A., & Betzel, R.F. (2024). Situating edge time series within the generalized linear model framework. Brain Connectivity Workshop. Noosa, Australia.

Severino, G., **Merritt, H.,** & Izquierdo, E. (2023). Between you and me: A systematic analysis of mutual social interaction in perceptual crossing agents. Paper presented at ALIFE 2023, Sapporo, Japan.

Merritt, H., Koch, M.K., Youngheun, J., Chumin, E., & Betzel, R.F. (2023). Social experience defines hierarchical groups with dissociable functional network organization. Poster presented at the Organization for Human Brain Mapping, Montreal, Canada.

Koch, M.K., **Merritt, H**., Inniss-Thompson, M., McCormick, K., & Mendle, J. (2023). Are you there, God? It's me, Gender Bias in the American Coming-of-Age Novel. Talk presented at the Biennial meeting of the Society for Research on Adolescence, San Diego, CA, USA.

^Nomura, K., ^Bird, D., ^Tjuka, A., ^Baltussen, M., ^Zosh, C., ^Rella, S., ^Falk, D., ^**Merritt, H**. (2022). A mathematical model of critical points in space debris density according to governance. Talk presented at the Commons in Space 2022 Virtual Conference.

†Izquierdo, E., Severino, G., & **Merritt, H.** (2022) Perpetual crossers without sensory delay: Revisiting the perceptual crossing simulation studies. Talk presented at ALIFE 2022, virtual.

Merritt, H., Faskowitz, J., Gonzalez, M.Z., Sporns, O., & Betzel, R. (2022). A multilayer modularity approach to perceived social support. Poster presented at the 14th annual virtual meeting of the Social and Affective Neuroscience Society.

*Shah, N., **Merritt, H.,** & Izquierdo, E. (2022). Does size matter?: The effect of neuron number on the performance of a chemotaxer. Talk at the Midwest Undergraduate Cognitive Science Conference.

*†Shah, N., **Merritt, H.,** & Izquierdo, E. (2022). Does size matter?: The effect of neuron number on the performance of a chemotaxer. Poster presented at the Center for Excellence of Women & Technology Undergraduate Poster Competition.

*Susana, J., **Merritt, H.,** & Izquierdo, E. (2022). Computational model evaluating the effects of social network structure on collective decision-making and minority influence. Poster presented at the Center for Excellence of Women & Technology Undergraduate Poster Competition.

*Niese, A., **Merritt, H**., & Izquierdo, E. (2022). Feasting forests: Influence of mycorrhizal network structure on resilience. Poster presented at the Center for Excellence of Women & Technology Undergraduate Poster Competition.

Betzel, RF., Faskowitz, J., Zamani Esfahlani, F., Jo, Y., **Merritt, H.**, Tanner, J., Cutts, S., Pope, M., Chumin, E., Sporns, O. (2021). Task-induced reconfiguration of edge functional connectivity and communities. Poster presented at the 27th annual meeting of the Organization for Human Brain Mapping.

Chumin, E., Faskowitz, J., Zamani Esfahlani, F., Jo, Y., **Merritt, H.,** Tanner, J., Cutts, S., Pope, M., Betzel, R., & Sporns, O. (2021). Cortico-subcortical interactions in overlapping communities of edge functional connectivity. Poster presented at the 27th annual meeting of the Organization for Human Brain Mapping.

Gonzalez, M. Z. & **Merritt, H.** (2019). Social early life stress mediates the effects of economic factors on internalizing symptoms and reward sensitivity. Poster presented at the 52nd Annual Meeting of the International Society for Developmental Psychobiology, Chicago, IL.

†**Merritt, H**. (2018). Talking about Time. Paper presented at the 9th Annual Midwest Undergraduate Cognitive Science Conference, Bloomington, IN.

Sulik, J., **Merritt, H.,** & Lupyan, G. (2017). The effect of overt language use in category induction. Poster presented at the 39th Annual Meeting of the Cognitive Science Society.

†**Merritt, H.** (2016). Language Mode: A key to the bilingual's phonological store. Poster presented at the 8th Annual Midwest Undergraduate Cognitive Science Conference, Bloomington, IN.

Merritt, H. (2016). The Effect of Language Mode on Perception. Paper presented at the Hutton Honors College Research Symposium, Bloomington, IN.

Merritt, H. (2015). Does Language Mode Affect Language-Specific Perception and Categorization?. Poster presented at the Indiana University Undergraduate Research Conference, Bloomington, IN.

Invited

* mentee, † international, ^ co-first authors

Merritt, H. (2025). Brain network organization varies across social environments. Talk presented to the Psychology Department at Princeton University, Princeton, NJ, USA.

† **Merritt, H.** (2024). Brain network organization varies across social environments. Talk presented to CENTAI, Turin, Italy.

† **Merritt, H.** (2024). Brain network organization varies across social environments. Talk presented to Queen Mary University London, London, UK.

† **Merritt, H.** (2024). Brain network organization varies across social environments. Talk presented to the Network Science Institute at Northeastern University London, London, UK.

† **Merritt, H.** (2024). Brain network organization varies across social environments. Talk presented to the Department of Informatics, University of Lisbon, Lisbon, Portugal.

Merritt, H. (2024). Brain network organization varies across social environments. Talk presented to the Control and Network Connectivity Team Lab at University of Illinois, Urbana-Champaign, IL, USA.

†**Merritt, H.** (2024). Brain network organization varies across social environments. Talk presented to the Systems Neuropsychiatry Research Group, University of Melbourne, Melbourne, Australia.

Merritt, H., Koch, M.K., Youngheun, J., Chumin, E., & Betzel, R.F. (2024). Social environment defines hierarchical and dynamic "envirotypes" with dissociable brain network organization. Talk presented at Cognitive Lunch, Bloomington, IN, USA.

Merritt, H., Koch, M.K., Youngheun, J., Chumin, E., & Betzel, R.F. (2023). Differences in adolescent social environment experience are linked to differences in brain network connectivity. Poster presented at NRT Research Showcase, Bloomington, IN, USA.

Merritt, H., Faskowitz, J., Gonzalez, M.Z., & Betzel, R. (2022). A multilayer network approach to social neuroecology. Invited talk in the Life History Lab at Cornell University, Ithaca, NY, USA.

Merritt, H. (2018). Speaking of Time. Paper presented at the 1st Annual Indiana University Research Slam, Bloomington, IN, USA.

Merritt, H. (2018). Time and Time Again. Paper presented at the Indiana University Cox Research Scholars Interview Day, Bloomington, IN, USA.

Other

* mentee, † won award, ^ co-first authors

Merritt, H. & Severino, G. J. (2024). Perceptual Crossing, Part IV. Talk presented in the Computational Neuroethology Lab at Indiana University.

Merritt, H., Koch, M.K., Youngheun, J., Chumin, E., & Betzel, R.F. (2023). Social experience defines hierarchical groups with dissociable functional network organization. Talk presented in the Brain Networks and Behavior Lab.

Merritt, H. (2022). A model of space debris. Presentation in the Computational Neuroethology Lab at Indiana University.

Merritt, H. & Betzel, R. (2021). A multilayer network approach to social neuroecology. Presentation in the Computational Neuroethology Lab at Indiana University.

Merritt, H. & Betzel, R. (2021). A multilayer approach to social neuroecology. Presentation in the Brain Networks and Behavior Lab at Indiana University.

Merritt, H. (2021). Brain network features as neuroendophenotypes. Talk presented at the first Workshop on Methods in Network Science presented by Women in Network Science.

Merritt, H. (2020). Clustering edge-centric functional connectivity data. Presentation in Environmental Agents and Systems Lab, Bloomington, IN.

Merritt, H. (2019). A practical introduction to the Shared Response Model. Invited talk at the Integrative Neuroscience Salon, Cornell University, Ithaca, NY.

Merritt, H. (2018). Grammaticalizations of Time in Hakha Chin. Poster presented at the Field Methods in Linguistics Symposium, Bloomington, IN.

Merritt, H. (2017). Design Stance. Paper presented at the Language and Cognitive Development Lab Meeting, Berkeley, CA.

Merritt, H. (2016). The role of explicit knowledge in problem solving. Paper presented at the Psychological Research Experience Program Symposium, Madison, WI.

S K I L L S

Software	Adobe Illustrator, Microsoft Office Suite
Languages.	English (native), Turkish (highly competent), Spanish (highly competent), French (competent), Portuguese (competent)
Programming Languages	Python, R, MATLAB, LaTeX, Mathematica, JavaScript, HTML, CSS, Bash, C++, NetLogo

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A D D I T I O N A L M E T H O D O L O G I C A L T R A I N I N G

Noosa Workshop *2.2024*
Workshop, *Monash University; Noosa, Australia*

Complex Networks Winter Workshop *12.2023*
Workshop, *University of Vermont; Quebec, Canada*

Atomic Habits: Inclusive Teaching in Informatics *Spring 2023*
Workshop series funded by IEEE, *Indiana University*

Complex Systems Summer School *Summer 2022*
Summer School, *Santa Fe Institute, USA*

Introduction to Information Theory *Fall 2020*
Working group, *Indiana University*

Introduction to Factor Analysis *3.2020*
Workshop, *Cornell University*

Introduction to Amazon Web Services and Machine Learning *6.2019*
Workshop, *Cornell University*

Introduction to Path Analysis and Mediation Analysis *3.2019*
Workshop, *Cornell University*

RESEARCH EXPERIENCE

Network Science Institute *7.2025 – present, 4.2024 – 6.2024*
Northeastern University London, UK
Principal Investigators: Andreia Sofia Teixeira, Giovanni Petri

Computational Neuroethology Laboratory *9.2020 – 7.2025*
Department of Informatics, Indiana University, Bloomington
Principal Investigators: Randall Beer and Eduardo Izquierdo

Brain Networks and Behavior Laboratory *8.2020 – 7.2025*
Department of Psychological and Brain Sciences, Indiana University, Bloomington
Principal Investigator: Richard Betzel

Life History Laboratory *12.2018 – 8.2020*
Department of Human Development, Cornell University
Principal Investigator: Marlen Z. Gonzalez

Experience and Cognition Laboratory *7.2018 – 12.2018*
Department of Human Development, Cornell University
Principal Investigator: Daniel Casasanto

Linguistic Documentation of Hakha Chin *1.2018 – 9.2018*
Department of Linguistics, Indiana University, Bloomington
Principal Investigator: Kelly Berkson

Percepts and Concepts Laboratory *8.2017 – 5.2018*
Department of Psychology, Indiana University, Bloomington
Principal Investigator: Robert Goldstone

Language and Cognitive Development Laboratory *Summer 2017*
Department of Psychology, University of California, Berkeley
Principal Investigator: Mahesh Srinivasan

Second Language Psycholinguistics Laboratory *9.2013 – 8.2016*
Department of Second Language Studies, Indiana University, Bloomington
Principal Investigator: Isabelle Darcy

Psychological Research Experience Program *Summer 2016*
Department of Psychology, University of Wisconsin-Madison
Principal Investigator: Gary Lupyan

SUMMARY OF TEACHING & MENTORING PHILOSOPHY

I strive to support students' development as critical and creative thinkers by promoting their sense of agency and their understanding of the broader societal context of the learning material. I find this is especially important in math and computation courses, for which I have won teaching awards. To support students, I incorporate student-led discussions, activity-based learning, project-based assignments to ensure content mastery, and regular, thorough feedback to ensure each student is keenly aware of their strengths and the power in their perspective. I respect and celebrate the diverse backgrounds and contexts from which students come by empowering students' voices and regularly

updating and diversifying my teaching materials to foster an inclusive, equitable, and welcoming classroom for all.

M E N T O R S H I P

Graduate Students, *Network Science Institute @ NUL*

PhD: Asia Novelli *(9.2025 – present)*

Undergraduate Research Assistants, *Indiana University*

Sarah Greenwell *(8.2022 – 6.2025)*

Center of Excellence for Women in Technology, *Indiana University*

Sindhu Aribandi *(7.2023 – present),* Olivia Skrzypczak *(7.2023 – 5.2024),* Jasmine Susana (*10.2021 – 5.2022*), Aida Niese (*10.2021 – 5.2022*), Neha Shah (*10.2021 – 5.2022*)

Undergraduate Research Assistants, *Cornell University*

De'Aysia Barner (*6.2020 – 8.2020*), Valerie Hu (*6.2020 – 8.2020*), Laura Chang (*1.2020 – 8.2020*), Phoebe Lee (*1.2020 – 5.2020*), Hannah Kareff (*12.2019 – 8.2020*), Bryan Lu (*8.2019 – 8.2020*), Dave Chen (*8.2019 – 5.2020*), Juliana Byanyima (*5.2019 – 8.2020*), Eliot Shekhtman (*5.2019 – 8.2020*), Amber Tan (*3.2019 – 8.2020*), Radha Pandya (*9.2018 – 12.2018*)

Undergraduate Neuroimaging Database Team Members, *Cornell University*

June Kim (*1.2019 – 5.2019*), Medhavi Gandhi (*1.2019 – 5.2019*), Shaminta Hamidian (*1.2019 – 5.2019*)

T E A C H I N G E X P E R I E N C E & P E D A G O G Y

Courses

*won award, † undergraduate course, ^graduate course

^Models in Cognitive Science *Fall 2023*

Role: Associate Instructor, *Indiana University*

*†Computation for Cognitive Science *Spring 2023*

Role: Associate Instructor, *Indiana University*

*†Math & Logic for Cognitive Science *Fall 2022*

Role: Associate Instructor, *Indiana University*

†Philosophical Foundations of Cognitive Science *Spring 2018*

Role: Undergraduate Teaching Intern, *Indiana University*

†Introduction to the Study of Language *Fall 2017*

Role: Undergraduate Teaching Assistant, *Indiana University*

Workshops

Workshop on Indiana University Supercomputers for Computational Neuroscience *6.2022*

Role: Lead Organizer, *Indiana University*

Workshop Series on Methods in Network Science *(virtual)* *10.2021*

Role: Lead Organizer, Tech Support, Speaker

Workshops on R for Data Cleaning, Analysis, and Visualization *2.2020 – 3.2020*

Role: Organizer and Co-Instructor, *Cornell University*

Workshop on Qualtrics and SONA for Research *1.2020*

Role: Organizer and Instructor, *Cornell University*

SERVICE & PROFESSIONAL MEMBERSHIPS

Ad hoc reviewing

PLOS ONE, Progress in Neuropsychopharmacology & Biological Psychiatry, Frontiers in Neurorobotics, NeuroImage, Cognitive Science

Society Memberships

Organization for Human Brain Mapping, Network Science Society, Social Affective Neuroscience Society, Society for Research on Adolescence

Women in Network Science

Chair of Diversity & Outreach	*2.2025 - present*
WiNS Satellite @ NetSci 2025 Organizing team	*11.2024 - present*
WiNS Seminar Series Organizing team	*8.2024 - present*
Council member	*2020 – present*
Chair of Graduate Students Committee	*3.2021 – 2.2025*

Graduate Student Coalition *(Indiana University)*

Member	*2020 - present*

Methods in Network Science Workshop Series

Workshop organizer	*6.2021 – present*
Speaker	*10.2021*

Cognitive Science PhD Orientation

Panelist	*2021, 2023*

Luddy Associate Instructor Orientation

Panelist, Facilitator	*2023*

Midwest Undergraduate Cognitive Science Conference

Panelist, Judge	*2023*

Graduate Admissions Committee in Cognitive Science *(Indiana University)*

Member	*2021 - 2022*

QGrads *(Cornell University)*

Member	*9.2018 – 8.2020*

Graduate Women in STEM *(Cornell University)*

Member	*9.2018 – 8.2020*

IU Journal of Undergraduate Research

Writer & Board Member, Online Creative Content Board	*9.2017 – 5.2018*
Assistant Student Editor, Board of Social Sciences	*8.2015 – 5.2016*

Student Organization of Cognitive Science *(Indiana University)*

Member	*8.2017 – 5.2018*

UnderLings: Undergraduate Linguistics Club *(Indiana University)*

(Founding) Member	*8.2013 – 5.2018*
President	*4.2015 – 4.2016*
Vice President	*12.2014 – 4.2015*

Indiana University Turkish Language Flagship Program

Student member	*1.2014 – 5.2018*

ACADEMIC DEVELOPMENT & COMMUNITY

AccelNet Collabathon — *November 2023, March 2025*
Collabathon, *NetSI Boston & University of Zaragoza*

Computational and Network Neuroscience — *Fall 2022 – present*
Reading group, *Indiana University*

Autopoietic and Dynamical Theories of Cognition — *Spring 2021 – 2024*
Reading group, *Indiana University*

Empirical Phenomenology — *Fall 2023*
Reading group, *Indiana University*

Complex Networks — *Spring 2021 – Spring 2023*
Reading group, *Indiana University*

Integrative Neuroscience Salon — *Spring 2019 – Spring 2020*
Academic Salon, *Cornell University*

Introduction to Complexity — *6.2019 – 9.2019*
Online course, *Santa Fe Institute*

Neuroecology — *Summer 2019*
Journal Club, *Cornell University*

Mathematical Tools for Cognitive and Neural Science — *1.2019 – 8.2019*
Online course, *New York University*

Philosophy of Neuroscience — *Fall 2018*
Reading group, *Cornell University*

REFERENCES

Andreia Sofia Teixeira, PhD — sofia.teixeira@nulondon.ac.uk
Associate Professor, *Northeastern University London*
Network Science Institute
(current postdoctoral advisor)

Richard F. Betzel, PhD — rbetzel@umn.edu
Associate Professor, *University of Minnesota*
Department of Neuroscience
(PhD advisor & committee chair)

Olaf Sporns, PhD — osporns@iu.edu
Distinguished Professor, *Indiana University*
Departments of Psychological & Brain Sciences and Informatics, Program in Cognitive Science
(PhD committee co-chair)

Randall D. Beer, PhD — rdbeer@iu.edu
Provost Professor, *Indiana University*
Program in Cognitive Science, Departments of Computer Science and Informatics
(PhD committee member)

Marlen Z. Gonzalez, PhD — mzg5@cornell.edu
Assistant Professor, *Cornell University*
Department of Psychology
(former supervisor)