# Stephanie M Noble

POSTDOCTORAL ASSOCIATE · COMPUTATIONAL NEUROSCIENCE

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## Education

### Postdoctoral Associate, Yale University

*New Haven CT*

RADIOLOGY & BIOMEDICAL IMAGING

*Aug. 2019 - Present*

- Advisor: Dustin Scheinost

### PhD, Yale University

*New Haven CT*

INTERDEPARTMENTAL NEUROSCIENCE PROGRAM (INP)

*Sept. 2014 – May 2019*

- Dissertation: Reliability & Validity of fMRI Mapping Methods
- Advisor: R. Todd Constable
- Qualified for Candidacy with Distinction

### BSE, Princeton University

*Princeton NJ*

CHEMICAL & BIOLOGICAL ENGINEERING: BIOTECHNOLOGY & BIOINFORMATICS TRACK

*Sept. 2008 – May 2012*

- Honors Certificate: Neuroscience: Quantitative & Computational Neuroscience
- Certificate: Engineering Biology

## Experience

### Source Signal Imaging

*San Diego CA*

INDEPENDENT CONSULTANT

*Oct. 2013 – Aug 2014*

- Research and prototyping for EEG source estimation projects

### goBlue Labs

*New Haven CT*

FOUNDING CHIEF SCIENCE OFFICER (CSO)

*2012 – 2013*

- Real-time EEG source estimation and neurofeedback software

### Princeton University

*Princeton NJ*

SENIOR THESIS

*2012 – 2013*

- Advisor: Clarence E. Schutt
- Thesis: Muscle Contraction as a Markov Process

JUNIOR INDEPENDENT WORK

*2011 – 2012*

- Advisor: Clarence E. Schutt
- Topic: "A Search for Novel Interactions: h-Actin and Tropomyosin"

PRINCETON SIEBEL ENERGY GRAND CHALLENGES SUMMER FELLOWSHIP

*2010 – 2011*

- Advisor: Jay B. Benziger
- Topic: "Hydrogen Purification by Electrochemical Pumping" with Prof. Jay B Benziger

# Honors & Awards

## Fellowships & Grants

*2019 - 2023* **NIH 8K00MH122372-02:** Constrained Network-Based Multiple Comparison Correction
*Principle Investigator*: Stephanie Noble
*Funding Source*: National Institute of Neurological Disorders and Stroke
NIH Blueprint Diversity Specialized Predoctoral to Postdoctoral Advancement in Neuroscience (DSPAN) Award (F99/K00)
*Amount*: $73,168 / year

*2018 - 2019* **NIH 1F99NS108557-01:** Improving Reliability and Validity of fMRI Statistical Methods
*Principle Investigator*: Stephanie Noble
*Funding Source*: National Institute of Neurological Disorders and Stroke
NIH Blueprint Diversity Specialized Predoctoral to Postdoctoral Advancement in Neuroscience (DSPAN) Award (F99/K00)
*Amount*: $45,524 / year

*2016 - 2018* **NSF DGE1122492**
*Fellow*: Stephanie Noble
*Funding Source*: National Science Foundation
*Program:* Graduate Research Fellowship Program
*Amount*: $46,000 / year

## Academic Honors & Awards

*2019* **Abstract Merit Award,** Organization for Human Brain Mapping, $2,000 (15 awardees)

*2019* **Associate Member Nomination**, Sigma Xi

*2018 - 2019* **Program for Excellence in Science Fellowship**, AAAS / Science

*2018* **Annie Le Fellowship**, Yale University (stipend & professional enrichment supplement; academic excellence and service to the community)

*2017* **Qualified for Candidacy with Distinction**

*2016* **Best Poster Award**, Yale Biomedical Engineering Retreat

*2015 - 2017* **Neuroscience Scholars Program Fellowship**, Society for Neuroscience (15 awardees, support for society meeting attendance, society membership, professional enrichment funds)

*2012* **Honors Certification in Quantitative & Computational Neuroscience**

*2010* **Siebel Energy Grand Challenges Fellowship**, Princeton University, $4,500

*2009 - 2012* **Howard Hunt Garmany Memorial Scholarship**, Hartford Foundation for Public Giving (awarded annually)

## Science Outreach

*2016* **WE16 Outreach Award**, Society of Women Engineers (to Yale GradSWE; outreach co-chair)

*2016* **Yale University Seton Elm-Ivy Award** (to INP Outreach Committee; co-chair)

## Industry

*2013* **Innovation Fund**, Yale Entrepreneurial Institute, $100,000 (offered)
(exclusive award to Yale start-up)

2012 **TechStart Accelerator Program Fund,** Connecticut Innovations, $25,000 (exclusive award to 5 CT start-ups)

2012 **Private Investment**, Bridge Builders Collaborative, undisclosed

# Publications

*h-index=10, Total Accepted=16, First Author=6, Google Scholar: https://scholar.google.com/citations?user=JxQdvn4AAAAJ*

** = all authors contributed equally*

Accepted

1. **Noble, S.**, Scheinost, D., Constable, R.T., 2021. A guide to the measurement and interpretation of fMRI test-retest reliability. Current Opinion in Behavioral Sciences, 40, 27-32. (Invited review, Deep Imaging special issue).
2. Barron, D.S., Gao, S., Dadashkarimi, J., Greene, A.S., Spann, M.N., **Noble, S.**, Lake, E., Krystal, J.H., Constable, R.T., Scheinost, D., 2020. Transdiagnostic, Connectome-Based Prediction of Memory Constructs Across Psychiatric Disorders. Cerebral Cortex.
3. Horien, C., **Noble, S.**, Greene, A.S., Lee, K., Barron, D.S., Gao, S., O'Connor, D., Salehi, M., Dadashkarimi, J., Shen, X., Lake, E.M., Constable, R.T., Scheinost, D., 2020. A Hitchhiker's Guide to Working with Large, Open-Source Neuroimaging Datasets. Nature Human Behavior.
4. **Noble, S.**, Scheinost, D., 2020. The Constrained Network-Based Statistic: A New Level of Inference for Neuroimaging. Medical Image Computing and Computer Assisted Intervention–MICCAI 2020: 23rd International Conference, Lima, Peru, October 4–8, 2020, Proceedings, Part VII 23, 458-468.
5. Greene, A.S., Gao, S., **Noble, S.**, Scheinost, D., Constable, R.T., 2020. How Tasks Change Whole-Brain Functional Organization to Reveal Brain-Phenotype Relationships. Cell Reports 32, 108066.
6. **Noble, S.**, Scheinost, D., & Constable, R. T., 2020. Cluster failure or power failure? Evaluating sensitivity in cluster-level inference. NeuroImage 209, 116468.
7. **Noble, S.**, Scheinost, D., Constable, R.T., 2019. A decade of test-retest reliability of functional connectivity: A systematic review and meta-analysis. Neuroimage 203, 116157.
8. Dadashkarimi, J., Gao, S., Yeagle, E., **Noble, S.**, Scheinost, D., 2019. A Mass Multivariate Edge-wise Approach for Combining Multiple Connectomes to Improve the Detection of Group Differences. International Workshop on Connectomics in Neuroimaging. Springer, Cham, 64-73.
9. Yoo, K., Rosenberg, M.D., **Noble, S.**, Scheinost, D., Constable, R.T., Chun, M.M., 2019. Multivariate approaches improve the reliability and validity of functional connectivity and prediction of individual behaviors. Neuroimage 197, 212-223.
10. Scheinost, D., **Noble, S.**, Horien, C., Greene, A.S., Lake, E.M., Salehi, M., Gao, S., Shen, X., O'Connor, D., Barron, D.S., Yip SW., Rosenberg, M.D., Constable, R.T., 2019. Ten simple rules for predictive modeling of individual differences in neuroimaging. Neuroimage.
11. Lake, E.M., Finn, E.S., **Noble, S.M.**, Vanderwal, T., Shen, X., Rosenberg, M.D., Spann, M.N., Chun, M.M., Scheinost, D., Constable, R.T., 2019. The Functional Brain Organization of an Individual Allows Prediction of Measures of Social Abilities Transdiagnostically in Autism and Attention-Deficit/Hyperactivity Disorder. Biological psychiatry.
12. Horien, C., **Noble, S.**, Finn, E.S., Shen, X., Scheinost, D., Constable, R.T., 2018. Considering factors affecting the connectome-based identification process: Comment on Waller et al. Neuroimage 169, 172-175.
13. **Noble, S.**, Spann, M.N., Tokoglu, F., Shen, X., Constable, R.T., Scheinost, D., 2017a. Influences on the test–retest reliability of functional connectivity MRI and its relationship with behavioral utility. Cerebral cortex 27, 5415-5429.
14. **Noble, S.**, Scheinost, D., Finn, E.S., Shen, X., Papademetris, X., McEwen, S.C., Bearden, C.E., Addington, J., Goodyear, B., Cadenhead, K.S., 2017b. Multisite reliability of MR-based functional connectivity. Neuroimage 146, 959-970.

15. Benjamin, C.F., Walshaw, P.D., Hale, K., Gaillard, W.D., Baxter, L.C., Berl, M.M., Polczynska, M., **Noble, S.**, Alkawadri, R., Hirsch, L.J., 2017. Presurgical language fMRI: mapping of six critical regions. Human brain mapping 38, 4239-4255.
16. Scheinost, D., Tokoglu, F., Shen, X., Finn, E.S., **Noble, S.**, Papademetris, X., Constable, R.T., 2016. Fluctuations in global brain activity are associated with changes in whole-brain connectivity of functional networks. IEEE Transactions on Biomedical Engineering 63, 2540-2549.

Under Review

17. Bridgeford, E. W., Wang, S., Yang, Z., Wang, Z., Xu, T., Craddock, C., ... **Noble, S.**, Priebe, C.E., Caffo, B., Milham, M., Zuo, X., Consortium for Reliability and Reproducibility, Vogelstein, J. T. Submitted. Eliminating accidental deviations to minimize generalization error and maximize reliability: applications in connectomics and genomics.
18. Ibrahim, K., **Noble, S.**, He, G., Lacadie, C., Crowley, M.J., McCarthy, G., Scheinost, D., and Sukhodolsky, D.G. Submitted. Large-Scale Functional Brain Networks of Maladaptive Childhood Aggression Identified by Connectome-Based Predictive Modeling.
19. Dadashkarimi, J., Tejavibulya, L., Gao, S., Greene, A., **Noble, S.**, Constable, R.T., Scheinost, D., Submitted. Combining task connectomes can emphasize or deemphasize group differences in predictive modeling.

Preprints

20. Gau, R.*, **Noble, S.*,** Heuer, K.*, Bottenhorn, K.*, Bilgin, I.P.*, Yang, Y.*, Huntenburg, J.*, Bayer, J.M.M.*, Bethlehem, R.*, … Brainhack community. 2021. Brainhack: developing a culture of open, inclusive, community-driven neuroscience. PsyArXiv.

Acknowledgements

1. Kim, J.S., Greene, M.J., Zlateski, A., Lee, K., Richardson, M., Turaga, S.C., ... & Campos M., 2014. Space–time wiring specificity supports direction selectivity in the retina. Nature, 509(7500), 331. (listed as “curiousimbroglio” in “the Eyewirers”).
2. Bzymek, Z.M., Vahidi, S., & Spottiswoode, H., 2007. Solutions of the 21st Century–Teaching Computer-Aided Conceptual Design. Computer-Aided Design and Applications, 4(1-4), 459-465.

Other

3. **Noble, S.** & Broek, J. (2017). Correlation or Causation? http://www.edubrainstorm.com/blog_new/blogs/correlation-or-causation.html

## Presentations

Talks & Symposia (*=Invited)

1. **Noble, S.** (2021, scheduled). Symposium: Current frontiers in statistical inference for neuroimaging data. Talk: Cluster failure or power failure? Towards a new level of inference for neuroimaging. IEEE International Symposium on Biomedical Imaging. Organization for Human Brain Mapping Meeting. Speakers: Stephanie Noble, Jonathan D. Rosenblatt, Bertrand Thirion (organizer), and Jeanette Mumford.
2. **Noble, S.** (2021, scheduled). Symposium: Functional Networks. Talk: Reliability and Inference in functional networks. IEEE International Symposium on Biomedical Imaging. Speakers: Danielle Bassett, Jingyuan Chen, Stephanie Noble, Maria Giulia Preti (co-organizer with Isik Karahanoglu), and Joana Cabral.
3. * **Noble, S.** (2021, scheduled). Invited talk. The constrained network based statistic: A new level of inference for neuroimaging. Innovators in Cognitive Neuroscience.

4. * **Noble, S.** (2020). Invited talk. The constrained network based statistic: A new level of inference for neuroimaging. BRAIN Initiative Alliance's Tools, Tech, Theory and Trainee Series. Neuromatch Conference 3.0.
5. **Noble, S.**, Scheinost, D. (2020). Oral Session. The constrained network based statistic: A new level of inference for neuroimaging. Medical Image Computing and Computer Assisted Intervention.
6. * **Noble, S.**, Scheinost, D., Constable, R.T. (2020). Invited talk. A decade of test-retest reliability of functional connectivity. Yale Appetitive Science Seminar Series.
7. **Noble, S.**, Dadashkarimi, J., Papademetris, X., Scheinost, D., (2020). Session & Demo. Web native data analysis with WebAssembly: a BISWeb demo and conversation. Organization for Human Brain Mapping Meeting: Open Science Room.
8. **Noble, S.**, Scheinost, D., Constable, R.T. (2020). Symposium: Measuring the Individual: Understanding sources of variability in task and resting fMRI. Talk 1: Factors influencing the test-retest reliability of functional connectivity. Organization for Human Brain Mapping Meeting. Speakers: Stephanie Noble, Erin Dickie, Caterina Gratton, and Colin Hawco (organizer).
9. Dadashkarimi, J., **Noble, S.**, Greene, A., Constable, R.T., Papademetris, X., Scheinost, D. (2020). Software Demo. On Visualization and Interpretation of Complex Connectomic Results. Organization for Human Brain Mapping Meeting.
10. ***(Merit Abstract Award)*** **Noble, S.**, Scheinost, D., Constable, R.T. (2019). Oral Session. Cluster Failure or Power Failure? Evaluating Sensitivity in Cluster-Level Inference. Organization for Human Brain Mapping Meeting.
11. **Noble, S.**, Dadashkarimi, J., Saltzman, Z., Lacadie, C., Garbus, H., Casetti, D., Onofrey, J., Papademetris, X., Scheinost, D. (2019). Open Science Room Talk & Demo. Introducing BioImage Suite Web. Organization for Human Brain Mapping Meeting: Open Science Room.
12. **Noble, S.**, Scheinost, D., Constable, R.T. (2019). Symposium: Towards Understanding Individual Variability with Functional Neuroimaging: Big data and deep data perspectives. Talk 1: Factors influencing the test-retest reliability of functional connectivity. Cognitive Neuroscience Society. Speakers: Stephanie Noble, Caterina Gratton (co-chair), Colin Hawco (chair), and Mac Shine.
13. * **Noble, S.**, Constable, R.T. Scheinost, D (2017). Invited talk. Factors influencing Reliability of Functional Connectivity. Yale Magnetic Resonance Seminar Series.
14. * **Noble, S.**, Scheinost, D., Bookheimer, SY, Walshaw, P, Constable, R.T., Benjamin, C (2015). Invited talk. Initial validation of a novel method of presurgical fMRI language localization through functional connectivity. Yale Epilepsy Research Retreat 2015.
15. * **Noble, S.**, Scheinost, D., Constable, R.T., Cannon, T.D. (2015). Invited talk. Reliability of Multisite Functional Connectivity. Yale NeuroDay 2015.

Posters

1. **Noble, S.**, Scheinost, D. (Submitted for 2021). Leveling up: How broader levels of inference improve power in functional connectivity. Organization for Human Brain Mapping Meeting.
2. Dadashkarimi, J., Tejavibulya, L., Gao, S., Greene, A., **Noble, S.**, Constable, R.T., Scheinost, D. (Submitted for 2021). Combining task connectomes can emphasize or deemphasize sex differences. Organization for Human Brain Mapping Meeting.
3. Greene, A.S., Shen, X., **Noble, S.**, Hahn, A., Arora, J., Tokoglu, F., Spann, M., Barron, D.S., Scheinost, D., Constable, R.T. (Submitted for 2021). Predictive modeling reveals subgroup-specific brain-phenotype relationships. Organization for Human Brain Mapping Meeting.
4. Dufford, A., **Noble, S.**, Gao, S., Scheinost, D. (Submitted for 2021). Low Infant Functional Connectome-based Identification Accuracy Across the First Year of Life. Organization for Human Brain Mapping Meeting.
5. **Noble, S.**, Scheinost, D. (2020). The Constrained Network-Based Statistic: A New Level of Inference for Neuroimaging. In Medical Image Computing and Computer Assisted Intervention.
6. Dadashkarimi, J., **Noble, S.**, Qu., A., Saltzman, Z., Shen, X., Lake, E., Constable, R.T., Papademetris, X., Scheinost, D. (accepted, conference postponed to 2021 due to COVID19). Poster. A web-based toolkit for visualizing and interpreting complex connectomic results in BISWeb. International Neuroinformatics Coordinating Facility Meeting.

7. Dadashkarimi, J., **Noble, S.**, Greene, A., Constable, R.T., Papademetris, X., Scheinost, D. (2020). Poster. On Visualization and Interpretation of Complex Connectomic Results. Brain Initiative Investigators Meeting.
8. Dadashkarimi, J., **Noble, S.**, Greene, A., Constable, R.T., Papademetris, X., Scheinost, D. (2020). Poster. On Visualization and Interpretation of Complex Connectomic Results. Organization for Human Brain Mapping Meeting.
9. **Noble, S.**, Dadashkarimi, J., Saltzman, Z., Lacadie, C., Garbus, H., Casetti, D., Onofrey, J., Papademetris, X., Scheinost, D. (2019). Introducing BioImage Suite Web: A Simple, Modern, and Powerful Software Suite. Society for Neuroscience Meeting.
10. **Noble, S.**, Dadashkarimi, J., Saltzman, Z., Lacadie, C., Garbus, H., Casetti, D., Onofrey, J., Papademetris, X., Scheinost, D. (2019). Introducing BioImage Suite Web: A Simple, Modern, and Powerful Software Suite. Organization for Human Brain Mapping Meeting.
11. **Noble, S.**, Scheinost, D., Constable, R.T. (2019). Cluster Failure or Power Failure? Evaluating the Sensitivity of Cluster-Level Inference. Organization for Human Brain Mapping Meeting.
12. Greene, A., Gao, S., **Noble, S.**, Scheinost, D., Constable, R.T. (2019). Task activation and functional connectivity offer distinct insight into brain-behavior relationships. Organization for Human Brain Mapping Meeting.
13. **Noble, S.**, Dadashkarimi, J., Saltzman, Z., Lacadie, C., Garbus, H., Casetti, D., Onofrey, J., Papademetris, X., Scheinost, D. (2019). Introducing BioImage Suite Web: A Simple, Modern, and Powerful Software Suite. BRAIN Initiative Investigator's Meeting.
14. **Noble, S.**, Scheinost, D., Constable, R.T. (2018). Cluster Failure or Power Failure? Balancing the Scale with Sensitivity. 2018 Society for Neuroscience Meeting.
15. **Noble, S.**, Scheinost, D., Constable, R.T. (2018). Cluster Failure or Power Failure? Balancing the Scale with Sensitivity. 2018 Yale Biomedical Imaging Research Retreat.
16. **Noble, S.**, Scheinost, D., Constable, R.T. (2018). Cluster Failure or Power Failure? Balancing the Scale with Sensitivity. 2018 Brain Functional Connectivity and Organization Meeting.
17. **Noble, S.**, Scheinost, D., Constable, R.T. (2016). Influences on Reliability of Functional Connectivity. 2016 Society for Neuroscience Meeting.
18. **Noble, S.**, Scheinost, D., Bookheimer, SY, Walshaw, P, Hirsch, LJ, Spencer, DD, Constable, R.T., Benjamin, C (2016, Feb). Preliminary Support for Presurgical fMRI Language Localization through Functional Connectivity Permutation Testing. 2016 International Neuropsychology Society Meeting.
19. ***(Best Poster Award)*** **Noble, S.**, Scheinost, D., Cannon, T.D., Constable, R.T. (2015). Reliability of Multisite Functional Connectivity. 2015 Yale Biomedical Imaging Research Retreat.
20. **Noble, S.**, Scheinost, D., Cannon, T.D., Constable, R.T. (2015). Reliability of Multisite Functional Connectivity. Society for Neuroscience Annual Meeting.
21. **Noble, S.**, Scheinost, D., Cannon, T.D., Constable, R.T. (2015). Reliability of Multisite Functional Connectivity. Society for Neuroscience Annual Meeting: Neuroscience Scholars Program Poster Session.
22. **Noble, S.**, Scheinost, D., Bookheimer, S.Y., Walshaw, P., Constable, R.T., Benjamin, C. (2015). Initial validation of a novel method of presurgical fMRI language localization through functional connectivity. 2015 Yale Day of Data 2015.
23. **Noble, S.** (2012). Muscle Contraction as a Markov Process. Thesis defended at Princeton University.
24. **Noble, S.**, Schutt, C.E. (2012). Muscle Contraction as a Markov Process. Poster presented at Annual Princeton CBE Thesis Poster Presentations.
25. **Noble, S.**, Bonetti, C.E., Benziger, J.B. (2010). Hydrogen Purification by Electrochemical Pumping. Symposium talk at Princeton Environmental Institute Seibel Energy Grand Challenge Summer of Learning Symposium.
26. **Noble, S.**, Bonetti, C.E., Benziger, J.B. (2010). Building a Multi-Stage Hydrogen Pump. Symposium talk at PRISM/PCCM Research Experience for Undergraduates Presentation Session. "http://www.princeton.edu/grandchallenges/energy/internships/meet-our-interns/interns-2010/Noble_Stephanie_sol.pptx"

Industry Demonstrations

27. **Noble, S.**, Poeuv, S., Brewer, J.A. (2013, February). Private demo for popular news reporter (undisclosed). goBlue Labs.
28. **Noble, S.**, Poeuv, S., Brewer, J.A. (2012, December). Public demo. TechStart Demo Day. Yale University.
29. **Noble, S.**, Poeuv, S., Brewer, J.A. (2012, July). Private demo. Professional Golfer's Association (PGA): Metropolitan Section. Metropolitan PGA Golf Central Offices, Elmsford, NY.
30. **Noble, S.**, Poeuv, S., Brewer, J.A. (2012, Sept). Private demo for New Haven Independent Reporter. goBlue Labs.

Industry Pitches

31. Poeuv, S., **Noble, S.**, Pal, P., Brewer, J.A. (2013, October). goBlue Labs YEI Innovation Fund Pitch. Presentation given at Yale University.
32. Poeuv, S., **Noble, S.**, Brewer, J.A. (2013, August). goBlue Labs CI Pre-Seed Program Pitch. Presentation given at Connecticut Innovations in Rocky Hill.
33. Poeuv, S., **Noble, S.**, Brewer, J.A. (2012, December). goBlue Labs New Haven Start-up Competition Pitch. Presentation given at Yale University for an anonymous investor.
34. Poeuv, S., **Noble, S.**, Brewer, J.A. (2012, December). goBlue Labs TechStart Demo Day Pitch. Presentation given at Yale.
35. Poeuv, S., **Noble, S.**, Brewer, J.A. (2012, July). goBlue Labs TechStart Accelerator Competition Pitch. Presentation given at Connecticut Innovations.

# Teaching & Mentoring

### Mentorship

Primary in-lab supervisor

- Tracy Lu (high school student, 2018 - 2019)
- Samantha Steinberg (high school student, 2016)

Assistant in-lab supervisor

- Javid Dadashkarimi (PhD student, 2019 - present)
- Link Tejavibulya (PhD student, 2019 - present)
- Hannah Petersen (postgraduate fellow, 2019 – present)

Extracurricular mentor

- Darlis Juvino (undergraduate, 2020 - present, via YBDIC-PATHS)
- Evelyn Soria (undergraduate, 2016 - present)

Prior extracurricular mentorship: five undergraduates (two via Women in Science at Yale, 2014; three via goBlue, 2012 - 2014) and two high school students (one via ManyMentors, 2015; one via goBlue. 2013 - 2014).

**Workshop: "Try BioImage Suite Web, a modern and powerful software for neuroscience"** *Yale University*
BRAINHACK NY 2020 *2020*

**Private Tutor: Basic Statistics & Data Science (1 student), Introduction to R (1 student)** *Yale University*
*2017 – 2020*

**Workshop: "Introduction to BioImage Suite Web"** *Yale University*
BRAINHACK YALE 2019 *2019*

**Workshop: "Intro to Machine Learning for fMRI with Nilearn"** *Yale University*
BRAINHACK YALE 2018 *2018*

**Teaching Fellow** — *Yale University*
INTRODUCTION TO RELATIVITY (ASTR 180) — *2018*

**Teaching Fellow** — *Yale University*
NEUROBIOLOGY (MCDB/NSCI 320A/720A) — *2015*

## Ad Hoc Review

*Publons: https://publons.com/researcher/4240950/stephanie-noble/peer-review/*

NeuroImage, NeuroImage: Clinical, Cerebral Cortex, Human Brain Mapping, Nature Scientific Reports, Proceedings of the National Academy of Sciences, eLife, eNeuro, Social Cognitive and Affective Neuroscience, Psychiatry Research: Neuroimaging, Schizophrenia Bulletin, Behavior Change, Assessment

## Leadership

**Brainhack Global 2020 Social** Lead Organizer — *Fall 2020*

**Neuromatch Conference 3.0** Moderator (4 traditional symposia, 1 interactive symposium) — *Fall 2020*

**Columbia University POR Colloquium** Invited Talk, Grant Funding Seminar — *Fall 2020*

**YBDIC-PATHS Mentoring Program** Mentor — *2020-2021*

**OHBM 2020 Club Night Social** Lead Organizer — *Summer 2020*

**NIH Blueprint D-SPAN F99/K00 Webinar** Panelist — *Winter 2019*

**Brainhack Yale 2019** Lead Organizer and Workshop Instructor — *Spring 2019*

**Neuroscience Scholars Program** Leadership Meeting Panelist — *Summer 2019*

**Yale Annie Le Fellowship** Selection Committee Member — *Spring 2019*

**INP Diversity Recruitment Panel** Panelist and SWE Representative — *Spring 2019*

**Brainhack Networks 2019** Team of Experts — *Winter 2019*

**Yale Minority Scientists Research Network** Board Member — *Fall 2018*

**NIH Blueprint D-SPAN F99/K00 Twitter Q&A** Panelist — *Fall 2018*

**Brainhack Yale 2018**: Lead Organizer and Workshop Instructor — *Spring 2018*

**Neuroscience Scholars Program** Neuroscience Leadership Conference Invited Member — *Summer 2017*

**INP Speaker Seminar** Committee Member — *Spring 2017*

**She Started It** "Women in Entrepreneurship" Panelist — *Spring 2017*

**McDougal Center** Communications Assistant (paid position managing student communications) — *Spring 2016*

**Yale Graduate Society of Women Engineers** Outreach Chair ('15-'17), Mentor, Volunteer, Panelist — *2014-2017*
Led four outreach events, two networking/career building events (panelist)

**Mind Matters** "Race and Mental Health" Panelist — *Spring 2016*

**Women in Science at Yale** Mentor and "Career Strategy" Panelist ('14-'16) — *2014-2018*

**INP Outreach Committee** Chair ('15-'16), Volunteer ('14-'17), Speaker ('16, '18 NIH BP-Endure) — *2014-2016*
Led six outreach events per year (30-60 students per event)

**Yale Graduate Visual Artists Society** Founder ('14) and Leader — *2014-2016*

**Yale Office for Graduate Student Development and Diversity** Mentor — *2014-2017*

**La Casa Cultural** Mentor — *2014-2015*

**ManyMentors / New Haven Science Fair** Mentor *2014-2015*

**Connectionism Art Movement** Founder and Event Organizer *2012-2014*

**Princeton Biomedical Engineering Society** President ('11-'12), VP ('10-'11), Cofounder *2010-2012*

## Open Science Contributions

Selected contributions (for full list, see https://github.com/SNeuroble?tab=repositories)

**Network-Based Statistic Extensions and Benchmarking Toolbox** MATLAB *code*

https://github.com/SNeuroble/NBS_benchmarking *2020*

**Cluster-Based Inference Benchmarking Toolbox** BASH *code*

https://github.com/SNeuroble/cluster_power_failure *2019*

**Yale Test-Retest Dataset** Child Mind Institute big data analytics | INDI International Neuroimaging Data-Sharing Initiative *data*

http://fcon_1000.projects.nitrc.org/indi/retro/yale_trt.html *2018*

**Multifactor ICC Toolbox** MATLAB *code*

https://github.com/SNeuroble/Multifactor_ICC *2018*

## Skills

**Programming Languages**

*Data Analysis (intermediate-advanced)*: Matlab, bash, R, Python

*Software / Web Development (basic):* C++, JavaScript, CSS, HTML5, Qt

**Other**

*Languages (basic-intermediate)*: Latin, Spanish

*Visual Art (advanced)*: Oil, watercolor, gouache, pastel, graphic design