SAMANTHA S. COHEN

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EDUCATION

Columbia University, 2018 –
Postdoctoral Research Fellow, Department of Psychology
  Advisor: Christopher A. Baldassano

The City University of New York, 2013 - 2018
Ph.D., Cognitive and Behavioral Neuroscience
  Dissertation Title: The inter-subject correlation of EEG in response to naturalistic stimuli
  Advisor: Lucas C. Parra

Hunter College, City University of New York, 2010 - 2013
M.A., Psychology
  Thesis: Multimodal sensorimotor gating in goldfish
  Advisor: Thomas Preuss

Brown University, Providence, RI, 2005 - 2009
B.A. in Visual Art with a focus on film & video

GRANTS AND AWARDS

Wallace H. Coutler Award for Graduate Research Performance in Biomedical Engineering 2018
CUNY Doctoral Student Research Grant 2016 - 2017
CUNY Neuroscience Scholarship 2013 - 2016

PUBLICATIONS

Cohen, S. S.*, Madsen, J.*, Touchan, G., Robles, D., Lima S. F. A., Henin, S., Parra, L. C. 2018 Neural engagement with online educational videos predicts learning performance for individual students. *Neurobiology of Learning and Memory.*

Petroni, A.*, **Cohen, S. S.***, Ai, L., Langer, N., Henin, S., Vanderwal, T., Milham, M. P., Parra, L. C. 2018. The variability of neural responses to naturalistic videos Change with Age and Sex. *eNeuro.*

Alexander, L., ... **Cohen, S.** ... Milham, M. P. 2017. An open resource for transdiagnostic research in pediatric mental health and learning disorders. *Scientific Data.*

Cohen, S., Henin, S., & Parra, L. C. 2017. Engaging narratives evoke similar neural activity and lead to similar time perception. *Scientific Reports.*

Langer, N., … **Cohen, S.** … Kelly, S. 2017. A Resource for Assessing Information Processing in the Developing Brain Using EEG and Eye Tracking. *Scientific Data.*

O'Connor, D., … **Cohen, S.** … Milham, M., 2017. The Healthy Brain Network Serial Scanning Initiative: A resource for evaluating inter-individual differences and their reliabilities across scan conditions and sessions. *GigaScience.*

Cohen, S. & Parra, L. C. 2016. Memorable audiovisual narratives synchronize sensory and supramodal neural responses. *eNeuro*.

MANUSCRIPTS IN PREPARATION

Cohen, S. S., Parra, L. C., & Dmochowski, J. (in prep). The utility of reliability in decoding neural responses.

Cohen, S. S., Ai, L., Nikolaidis, A., Xu, T., O'Connor, D., Craddock, C., Milham, M. P., & Parra, L. C., (in prep). Localizing the components of correlated EEG.

INVITED TALKS

Inter-subject correlation of EEG. Developmental Social Cognitive Neuroscience lab, College Park, MD. February, 2018

Inter-subject correlation of EEG. Hasson lab, Princeton University, Princeton, NJ. January, 2018

Inter-subject correlation of EEG. Contextual Dynamics Lab, Dartmouth University, Hanover, NH. December, 2017

Inter-subject correlation of EEG. City College department of Biomedical Engineering Seminar, New York, NY BME seminar. November, 2017

Do sensory modalities affect the level of engagement and subsequent recall of narrative stimuli? CUNY Neuroscience Colloquium, New York, NY. April 2014.

CONFERENCE TALKS

Cohen, S., Petroni, A., Ai, L., Langer, N., Henin, S., Vanderwal, T., Milham, M. P., Parra, L. C., 2018. *Age and sex modulate the variability of neural responses to naturalistic videos.* Presentation at The Cognitive Neuroscience Society, 25th Annual Meeting, Boston, MA.

Cohen, S., Henin, S., & Parra, L. C., 2016. *Engaging narratives evoke similar brainwaves and lead to similar perception of time.* Presentation at Society for Neuroscience, San Diego, CA.

Cohen, S., & Parra, L. C., 2016. *Visual context boosts episodic memory of auditory information by promoting reliable neural processing.* Presentation at the Eastern Psychological Association annual meeting, New York, NY.

Cohen, S., & Parra, L. C., 2015. *Brains on video … memory effects.* Presentation at the 3rd Symposium of New York Metro Imaging Research Consortium, New York, NY.

POSTER PRESENTATIONS

Cohen, S., Petroni, A., Ai, L., Langer, N., Henin, S., Vanderwal, T., Milham, M. P., Parra, L. C., 2018. *Age and sex modulate the variability of neural responses to naturalistic videos.* Poster presented at The Cognitive Neuroscience Society, 25th Annual Meeting, Boston, MA.

Cohen, S. S., Touchan, G., Robles, D., Ferrari, S., Henin, S. & Parra, L. C., 2017. *Inter-subject synchrony predicts learning success for educational content.* Poster presented at The Society for Neuroscience, Washington, D. C.

Cohen, S., Petroni, A., Ai, L., Langer, N., Henin, S., Vanderwal, T., Milham, M. P., Parra, L. C., 2017. *Age and sex modulate the variability of neural responses to naturalistic videos.* Poster presented at The Brain Imaging Center 4th annual symposium, New York, NY.

Cohen, S., Henin, S., & Parra, L. C., 2017. *Engaging narratives evoke similar neural activity and lead to similar time perception.* Poster presented at 1st Annual Conference on Cognitive Computational Neuroscience (CCN), New York, NY.

Cohen, S., Henin, S., & Parra, L. C., 2017. *Engaging narratives evoke similar neural activity and lead to similar time perception.* Poster presented at The Eighth Annual All-Psychology Doctoral Student Research Day, New York, NY.

Cohen, S., Henin, S., & Parra, L. C. 2017. *Engaging narratives evoke similar neural activity and lead to similar time perception.* Poster presented at The Cognitive Neuroscience Society, 24th Annual Meeting, San Francisco, California.

Touchan, G., Cohen, S. Robles, D., Ferrari, S., Henin, S., & Parra, L. C., 2017. *Neural correlates of educational engagement.* Poster presented at The Cognitive Neuroscience Society, 24th Annual Meeting, San Francisco, California.

O'Connor, D., … Cohen, S. … Milham, M., 2016. *Evaluating the Impact of Scan State on Inter-individual Differences in Full-brain Functional Connectivity*. Poster presented at the Organization for Human Brain Mapping Conference, Geneva, Switzerland.

Cohen, S., Henin, S., & Parra, L. C., 2016. *Narrative Engagement: What are you willing to give up?* Poster presented at The Cognitive Neuroscience Society, 23rd Annual Meeting, New York, NY.

Cohen, S., & Parra, L. C., 2015. *Incongruent visual animations make unrelated narratives more memorable by driving stronger brain responses.* Poster presented at The Society for Neuroscience, Chicago, Illinois.

Cohen, S., Ki, J., & Parra, L. C., 2015. *Visuals make narratives more memorable and effectively drive brain responses.* Poster presented at The Sixth Annual All-Psychology Doctoral Student Research Day, New York, NY.

Cohen, S., Ki, J., & Parra, L. C., 2015. *Visuals make narratives more memorable and effectively drive brain responses.* Poster presented at The Cognitive Neuroscience Society, 22nd Annual Meeting, San Francisco, California.

Cohen, S., Neumeister, H., & Preuss, P., 2013. *Multimodal sensory integration in the goldfish startle response.* Poster presented at The CUNY Animal Behavior Initiative Conference, 2nd Annual Meeting, Hunter College, New York, New York.

Cohen, S., Curtin, P.C.P., Medan, V., Karapetyan, S., Neumeister, H., & Preuss, P., 2012. *Discrete uni- and multimodal mechanisms control sensorimotor gating of goldfish startle*. Poster presented at The International Congress of Neuroethology, 10th Biannual Meeting, University of Maryland, College Park, Maryland.

TEACHING EXPERIENCE

Teaching Assistant for Medical Imaging and Image Processing (Graduate level)   2017
Teaching Assistant for Image and Signal Processing in Biomedicine (Undergraduate level) 2015 - 2017
Matlab module for Experimental Methods in Biomedical Engineering (Undergraduate level)   2016

SKILLS

EEG signal processing (Matlab)
fMRI analysis (FSL, AFNI, FreeSurfer, Python, Bash)
Stimulus programing (Psychtoolbox)
Website development (JavaScript, HTML)
Video editing (Lightworks, Adobe Premier)

SERVICE

NYC Neuromodulation Conference Accessibly and Diversity Committee Member, 2018 - Present
Cognitive Neuroscience Society Trainee Committee Member, 2015 – Present

PROFESSIONAL AFFILIATIONS

Society for Neuroscience, 2015 - Present
Cognitive Neuroscience Society, 2014 – Present
International Society for Neuroethology, 2012