SARAH LASZLO

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Binghamton University
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Education

PhD in Psychology, University of Illinois, Urbana-Champaign   2009
Advised by Dr. Kara D. Federmeier

MA in Psychology, University of Illinois, Urbana-Champaign   2006
Advised by Dr. Kara D. Federmeier

BS in Brain and Cognitive Sciences, MIT. Phi Beta Kappa.   2004

Phillips Exeter Academy, Exeter, NH. Classical Distinction.   2000

Employment

Associate Professor   2016 - Present
Departments of Psychology and Linguistics
Binghamton University

Technical Consultant   2016 - Present
Ad Ecco Staffing for Google X

Assistant Professor   2011 - 2016
Departments of Psychology and Linguistics
Binghamton University

Postdoctoral Fellow   2009 - 2011
Department of Psychology and Center for the Neural Basis of Cognition
Carnegie Mellon University
Advised by Dr. David C. Plaut

Research Support

Current Support

Brain Hacking: Exploring Computational, Psychological, and   2016-2020
Biological Vulnerabilities in Brain Biometrics
NSF; PIs: Zhanpeng Jin, Sarah Laszlo
Laszlo Total Costs: $450,000 of $900,000

CAREER: Neural-Computational Analysis of Reading   2013-2017
(and Reading Impairment) in Individuals
NSF 1252975; PI: Sarah Laszlo
Laszlo Total Costs: $400,000 of $400,000

Brain Password: Exploring A Psychophysiological   2014-2016
Approach for Secure User Authentication
NSF 1422417; PIs: Zhanpeng Jin, Sarah Laszlo
Laszlo Total Costs: $150,000 of $300,000

Research Experience for Undergraduates   2014-2016
NSF; PIs: Zhanpeng Jin, Sarah Laszlo
Laszlo Total Costs: $44,500 of $44,500

Completed Support

Brain Hacking: Assessing Computational and Biological   2015-2016
Vulnerabilities in Brain-based Biometrics
Binghamton Interdisciplinary Collaborative Grants
PIs: Zhanpeng Jin, Sarah Laszlo
Laszlo Total Costs: $5,000 of $10,000

Brain Password: Exploring a Psychophysiological   2014-2015
Approach for Secure User Authentication
Binghamton Interdisciplinary Collaborative Grants
PIs: Zhanpeng Jin, Sarah Laszlo
Laszlo Total Costs: $5,000 of $10,000

A Novel Mobile Human-Computer Interaction Approach   2013-2014
Based on Wearable Eye-Controlled Glasses for
Assisted Living and Health Care
Binghamton Health Sciences TAE
PIs: Zhanpeng Jin, Sarah Laszlo
Laszlo Total Costs: $6,000 of $12,000

Physiologically Constrained Computational Modeling   2010-2012
of Visual Word Recognition
NIH F32HD062043; PI: Sarah Laszlo, Sponsor: David C. Plaut
Laszlo Total Costs: $150,000

Pending Support

Identifying Effective Targets for Reading Fluency
Intervention
NSF; PI: Sarah Laszlo
Laszlo Total Costs: $450,000 of $450,000

Honors and Awards

Fellow of the Psychonomics Society	2014
Google Glass Explorer	2013
Harpur College Dean's Research Semester	2013
Sarah Mangesldorf Award for Outstanding Female Graduate Student (UIUC)	2009
Finalist: Psychology Department Graduate Instructor Award (UIUC)	2009
University of Illinois List of Teachers Ranked as Excellent	2008
Distinction for "Outstanding" (highest possible) rating	
Hans Lukas Teuber Award (MIT)	2004
Top 5 graduating seniors in Brain and Cognitive Science	
Phi Beta Kappa (MIT)	2004
Sigma Xi (MIT)	2004
Brain and Cognitive Sciences Award (MIT)	2003
Rising seniors at MIT with highest GPAs in Brain and Cognitive Science	

Publications

Google Scholar Citation Count: 513   **Google Scholar H-Index: 10**

All Manuscripts, Book Chapters, Conference Papers, and Abstracts were peer-reviewed.

Submitted Manuscripts

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1. Pontifex, M., Miscovic, V., & **Laszlo, S.** (In Revision). Evaluating the efficacy of fully automated approaches for the selection of eye blink ICA components. *Psychophysiology.*

2. Stites, M., & **Laszlo, S.** (In Revision). Time will tell: a longitudinal, data-driven investigation of brain-behavior relationships during reading development. *Psychophysiology.*

Journal Articles

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1. Sacchi, E., & **Laszlo, S.** (In Press). An Event-Related Potential study of the relationship between N170 lateralization and phonological awareness in individual children. Neuropsychologia.

2. Ruiz-Blondet, M. V., Jin, Z., & **Laszlo, S.** (2016). CEREBRE: A Novel Method for Very High Accuracy Event-Related Potential Biometric Identification. IEEE Transactions on Information Forensics and Security, 11(7), 1618-1629.

3.   Khalifian, N., Stites, M. C., & **Laszlo, S.** (2015). Relationships between event-related potentials and behavioral and scholastic measures of reading ability: A large-scale, cross-sectional study. Developmental Science.

4.   Inhoff, A.W. & **Laszlo S.** (2015). Revisiting the Single-Case Approach to Studying Reading Disorders. *Cognitive and Behavioral Neurology,* 28(3), 140-143*.*

5.   *Armstrong, B. C., Ruiz-Blondet, M. V., Khalifian, N., Kurtz, K. J., Jin, Z., & **Laszlo, S.** (2015). Brainprint: Assessing the uniqueness, collectability, and permanence of a novel method for ERP biometrics. Neurocomputing, 166, 59-67.

       This paper was one of 26 papers selected from all the Elsevier journals for a Virtual Special Issue curated for Biometrics 2015.

6.   **Laszlo, S.**, & Sacchi, E. (2015). Individual differences in involvement of the visual object recognition system during visual word recognition. *Brain and Language*, 145, 42-52.

7.   **Laszlo, S.,** Ruiz-Blondet, M., Khalifian, N., Chu, F., & Jin, Z. (2014). A Direct Comparison of Active and Passive Amplification Electrodes in the Same Amplifier System. *Journal of Neuroscience: Methods*, 235, 298-307.

8.   **Laszlo, S.,** & Armstrong, B.C. (2014). PSPs and ERPs: Applying the dynamics of post-synaptic potentials to individual units in simulation of ERP reading data. *Brain and Language*, 132, 22-27.

9.   **Laszlo, S.,** & Federmeier, K. D. (2014). Never seem to find the time: evaluating the physiological time course of visual word recognition with regression analysis of single-item event-related potentials. *Language, Cognition and Neuroscience*, 29, 642-661.

10.   **Laszlo, S.,** & Plaut, D.C. (2012). A neurally plausible parallel distributed processing model of event-related potential word reading data. *Brain and Language*, 120, 271-281.

11.   **Laszlo, S.**, Stites, M., & Federmeier, K.D. (2011). Won't Get Fooled Again: An Event-Related Potential Study of Task and Repetition Effects on the Semantic Processing of Items without Semantics. *Language and Cognitive Processes*, 27, 257-274.

12.   **Laszlo, S.,** & Federmeier, K.D. (2011). The N400 as a snapshot of interactive processing: evidence from regression analyses of orthographic neighbor and lexical associate effects. *Psychophysiology*, 48, 176-186.

13.   **Laszlo, S.,** & Federmeier, K.D. (2009). A Beautiful Day in the Neighborhood: An Event-Related Potential study of lexical relationships in sentence context. *Journal of Memory and Language*, 61, 326-338.

14. **Laszlo, S.,** & Federmeier, K.D. (2008). Minding the PS, queues, and PXQs: Uniformity of semantic processing across multiple stimulus types. *Psychophysiology*, 45, 458-466.

15. **Laszlo, S.,** & Federmeier, K.D. (2007). The Acronym Superiority Effect. *Psychonomic Bulletin and Review*, 14(6), 1158-1163.

16. **Laszlo, S.,** & Federmeier, K.D. (2007). Better the DVL you know: Acronyms reveal the contribution of familiarity to single word reading. *Psychological Science*, 18(2), 122-127.

Book Chapters

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1. Federmeier, K.D. & **Laszlo, S.** (2009). Time for meaning: Electrophysiology provides insights into the dynamics of representation and processing in semantic memory. Psychology of Learning and Memory (B. Ross, Ed.), Vol. 51, (pp 1-44). Burlington: Academic Press.

Conference Papers

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1. Gui, Q., Yang, W., Ruiz-Blondet, M. V., **Laszlo, S.**, & Jin, Z. A Residual Feature-based Replay Attack Detection Approach for Brainprint Biometric Systems. In IEEE International Workshop on Information Forensics and Security (WIFS), 2016, 8th Annual. IEEE.

2. Gui, Q., Yang, W., Ruiz-Blondet, M.V., **Laszlo, S.**, & Jin, Z. An Unsupervised, EEG-based Person Identification Approach Using Convolutional Neural Networks. In Bioengineering Conference (NEBEC), 2016 42nd Annual Northeast. IEEE.

3. Gui, Q.., Jin, Z., Xu, W., Ruiz-Blondet, M., & **Laszlo, S.** Multichannel EEG-based Biometrics Using Improved RBF Neural Networks. In IEEE Signal Processing in Medicine and Biology (SPMB), 2016 6th Annual. IEEE.

4. Ruiz-Blondet, M., Jin, Z., & **Laszlo, S.** (2015). Assessment of Permanence of Non-volitional EEG Brainwaves as a Biometric. In IEEE International Conference on Identity, Security, and Behaviour Analysis (ISBA), 2015 1st Annual. IEEE.

5. Gui, Q., Ruiz-Blondet, M., Jin, Z., & **Laszlo, S.** (2015). Towards EEG Biometrics: Similarity-Based Approaches for User Identification. In IEEE International Conference on Identity, Security, and Behaviour Analysis (ISBA), 2015 1st Annual. IEEE.

6. Ruiz-Blondet, M., Khalifian, N., Armstrong, B.C., Jin, Z., Kurtz, K.J., & **Laszlo, S.** (2014). Brainprint: Identifying Unique Features of Neural Activity with Machine Learning. Proceedings of the 36th Annual Conference of the Cognitive Science Society, Mahwah, NH: Lawrence Erlbaum Associates.

7.	Ruiz-Blondet, M., Khalifian, N., Jin, Z., Kurtz, K.J., & **Laszlo, S.** (2014, April). Brainwaves as authentication method: Proving feasibility under two different approaches. In Bioengineering Conference (NEBEC), 2014 40th Annual Northeast. IEEE.

8.	**Laszlo, S.,** & Armstrong, B.C. (2013). Applying the dynamics of post-synaptic potentials to individual units in simulation of temporally extended ERP reading data. Proceedings of the 35th Annual Conference of the Cognitive Science Society, Mahwah, NH: Lawrence Erlbaum Associates.

9.	**Laszlo, S.,** & Plaut, D.C. (2011). Simulating Event-Related Potential Reading Data in a Neurally Plausible Parallel Distributed Processing Model. Proceedings of the 33rd Annual Conference of the Cognitive Science Society, Mahwah, NJ: Lawrence Erlbaum Associates.

Patents

1.	Jin, Z., & **Laszlo, S.** (2015). U.S. Patent No. 20,150,126,845. Washington, DC: U.S. Patent and Trademark Office.

Abstracts and Conference Presentations

1.	Gwizdala, K.L., McGowan, A.L., Miskovic, V., Laszlo, S., & Pontifex, M.B. (2016, September). AN INVESTIGATION OF FULLY AUTOMATED APPROACHES FOR THE SELECTION OF EYE BLINK ICA COMPONENTS. Presented at the 2016 Annual Meeting of the Society for Psychophysiological Research, Minneapolis, Minnesota.

2.	Ruiz-Blondet, M., & **Laszlo, S.** (2016, September). Assessment of the Biometric Permanence of the CEREBRE Biometric Protocol. Presented at the 2016 Annual Meeting of the Society for Psychophysiological Research, Minneapolis, Minnesota.

3.	Ruiz-Blondet, M., Anderson, E., & **Laszlo, S**. (2016, September). Do wavelets provide an advantage over time domain classification for ERP biometrics? Presented at the 2016 Annual Meeting of the Society for Psychophysiological Research, Minneapolis, Minnesota.

4.	Sacchi, E., & **Laszlo, S.** (2016, September). CORTICAL DIFFERENTIATION OF WORDS FROM OTHER VISUAL STIMULI PREDICTS READING ABILITY IN INDIVIDUALS ACROSS READING DEVELOPMENT. Presented at the 2016 Annual Meeting of the Society for Psychophysiological Research, Minneapolis, Minnesota.

5.	Stites, M., & **Laszlo, S.** (2016, April). N400 Regularity Effects Increase in Size Across Early Elementary School. Presented at the 2016 Annual Meeting of the Cognitive Neuroscience Society, New York, New York.

6.   Ruiz-Blondet, M., Baker, A., & **Laszlo, S.** (2016, April). Design of a microcontrolled LED system with very high precision timing parameters for use in EEG entrainment experiments. Presented at the 2016 Annual Meeting of the Cognitive Neuroscience Society, New York, New York.

7.   Sacchi, E., & **Laszlo, S.** (2016, April). A Developmental ERP Study of Individual Differences in Occipitotemporal Tuning for Visual Word Recognition. Presented at the 2016 Annual Meeting of the Cognitive Neuroscience Society, New York, New York.

8.   Stites, M., & **Laszlo, S.** (2015). How do Random Effects Structures Impact LMER Outcomes in an ERP study? Presented at the 55th Annual Meeting of the Society for Psychophysiological Research, Seattle, Washington.

9.   **Laszlo, S.,** Ruiz-Blondet, M., & Jin, Z. (2015, January). BRAINPRINT: EEG Signals as a biometric characteristic. Presented at the 2015 Secure and Trustworthy Cyberspace PI's meeting, Washington, D.C.

10. Armstrong, B.C., Ruiz-Blondet, M., & **Laszlo, S.** (2014, November). A neural network method for simulating the time-course of simple context-sensitive word recognition simultaneously in the time and frequency domains. Presented at the 2014 Annual Meeting of the Society for Neuroscience, Washington, D. C. Poster presentation.

11. Sacchi, E., & **Laszlo, S.** (2014). Cortical Resource Allocation in Good vs. Poor Readers: An Event-Related Potential Study. Presented at the 54th Annual Meeting of the Society for Psychophysiological Research, Atlanta, Georgia.

12. Bhamdeo, S., & **Laszlo, S.** (2014). What's UPS: An Event-Related Potential Study of Phonological Ambiguity Resolution. Presented at the 54th Annual Meeting of the Society for Psychophysiological Research, Atlanta, Georgia.

13. Khalifian, N., & **Laszlo, S.** (2014). Predicting Individual Scholastic Reading Performance with Event-Related Potentials: Results of Year Two of the Binghamton Reading Brain Project. Presented at the 54th Annual Meeting of the Society for Psychophysiological Research, Atlanta, Georgia.

14. Ruiz-Blondet, M.V., Khalifian, N., Greenwald, C., Kurtz, K.J., Jin, Z., & **Laszlo, S.** (2014). Brainprint: Assessing Biometric Uniqueness of EEG with Machine Learning. Presented at the 54th Annual Meeting of the Society for Psychophysiological Research, Atlanta, Georgia.

15. Armstrong, B. C., & **Laszlo, S.** (2014). Putting emergence to the test: Modeling the effects of context in the time and frequency domain on the N400 Component. Poster presented at the 35th Annual Meeting of the Cognitive Science Society, Quebec City, Canada.

16. Bhamdeo, S., Chu, F., Khalifian, N., & **Laszlo, S**. (2014, April). Brain Bases of Reading Comprehension: Studies of Advanced, Developing, and Struggling

Readers. Poster presented at Posters on the Hill in the New York State Capitol, Albany, NY.

17. Armstrong, B.C., & **Laszlo, S.** (2013, November). Examining the N400 Repetition Effect in the Frequency Domain with a Combined Empirical and Computational Approach. Poster presented at the 54th Annual Meeting of the Psychonomic Society, Toronto, Canada.

18. Khalifian, N., Federmeier, K.D., & **Laszlo, S.** (2013, November). An Event-Related Potential Investigation of Individual Differences in Visual Word Recognition. Poster presented at the 54th Annual Meeting of the Psychonomic Society, Toronto, Canada.

19. Chu, F., Khalifian, N., & **Laszlo, S.** (2013). Ups, Ups, and Away: An Event-Related Potential Study of Phonological Ambiguity Resolution in the Two Cerebral Hemispheres. Presented at the 53rd Annual Meeting of the Society for Psychophysiological Research, Florence, Italy.

20. Khalifian, N., & **Laszlo, S.** (2013). An electrophysiological investigation of individual differences in reading development. Presented at the 53rd Annual Meeting of the Society for Psychophysiological Research, Florence, Italy.

21. Mooney, K., Chu, F., Faigen, H., & **Laszlo, S.** (2012). How to elect your electrodes: a comparison of passive and active electrodes in the same amplification system. Presented at the 52nd Annual Meeting of the Society for Psychophysiological Research, New Orleans, LA.

22. **Laszlo, S.** (2011). What goes up, must come down: Multiple regression analysis of single-item ERPs reveals yoked oscillation of orthographic and semantic processing. Presented at the 51st Annual Meeting of the Society for Psychophysiological Research, Boston, MA.

23. MacInnes, J., **Laszlo, S.**, & Armstrong, B. (2010). Computational Evidence that Word Co-occurrence Models Predict Turing Test Humanness Judgments. 20th conference of the Canadian Society of Brain, Behavior, and Cognitive Science.

24. **Laszlo, S.**, Stites, M., & Federmeier, K.D. (2010). Task and Repetition Effects on the Semantic Processing of Items Without Semantics. Presented at the 50th Annual Meeting of the Society for Psychophysiological Research, Portland, OR.

25. **Laszlo, S.,** Armstrong, B. C., MacInnes, W. J., Plaut, D. C., & Federmeier, K. D. (2010). When dog is more wolf than bone: Computational and electrophysiological evidence for featural organization of semantic memory. Proceedings of the 31st Annual Conference of the Cognitive Science Society. Mahwah, NJ: Lawrence Erlbaum Associates.

26. **Laszlo, S.,** Anaya, P., & Federmeier, K.D. (2009). Interacting effects of lexical variables on language-sensitive ERPs at the single-item level. Presented at the 49th Annual Meeting of the Society for Psychophysiological Research, Berlin, Germany.

27.   Gratton, C.G., **Laszlo, S.,** & Federmeier, K.D. (2008). In whole or in part? An ERP analysis of Global / Local Processing Asymmetries with Naturalistic Objects. Presented at the 48th Annual Meeting of the Society for Psychophysiological Research, Austin, TX.

28.   **Laszlo, S.** & Federmeier, K.D. (2008). All for one and one for all: Homogeneity of semantic access for all written inputs. Journal of Cognitive Neuroscience, Supplement 1, 252.

29.   Federmeier, K.D. & **Laszlo, S.** (2007). Deriving Meaning from ERPs... And Other Acronyms. Presented at the 47th Annual Meeting of the Society for Psychophysiological Research, Savannah, GA.

30.   **Laszlo, S.** & Federmeier, K.D. (2007). How I learned to stop worrying and love the VCR: N400 processing of illegal strings in sentence context. Presented at the 47th Annual Meeting of the Society for Psychophysiological Research, Savannah, GA.

31.   **Laszlo, S.** and Federmeier, K. D. (2006). Acronyms reveal the effects of familiarity and regularity on the N400 ERP component. Presented at the 47th Annual Meeting of the Society for Psychophysiological Research, Vancouver, Canada

32.   Goh, J.O., Jenkins, L., Hebrank, A., **Laszlo, S.**, & Park, D.C. (2006). Neural correlates of categorical and coordinate spatial processing. Journal of Neuroscience, 26, Supplement 1.

33.   Park, D.C., Hebrank, A., Jenkins, L., **Laszlo, S.**, Khanna, M., & Polk, T. (2006). Neural activation patterns in frontal, parietal, and ventral visual cortices predict cognitive behavior in old and young. Journal of Neuroscience, 26, Supplement 1.

34.   **Laszlo, S**. & Federmeier, K. D. (2006). Breaking the 'rules': Acronyms reveal mechanisms of reading. Journal of Cognitive Neuroscience, Supplement 1, 219.

35.   Jenkins, L., Hebrank, A., **Laszlo, S.**, Polk, T., & Park, D.C. (2006). Age differences in neural activation patterns in frontal, parietal, and ventral visual cortex. Journal of Cognitive Neuroscience, Supplement 1, 206.

Popular Press

Newsweek: 'Brainprints' Offer Better Security Than Fingerprints
http://www.newsweek.com/brainprints-biometrics-security-fingerprints-449536?rx=us

WIRED: Your 'brainprint' can identify you with 100% accuracy
http://www.wired.co.uk/news/archive/2016-04/19/eeg-brainprint-biometric-identification

NPR Science Friday: Could 'Brainprints' Unlock Your Future Phone?
http://www.sciencefriday.com/segments/could-brainprints-unlock-your-future-phone/

Huffington Post: In The Future, 'Brainprints' Could Replace Fingerprints
     http://www.huffingtonpost.com/entry/brain-waves-fingerprint-
     identification_us_57166fe0e4b0018f9cbb42a9

VICE: Scientists Can Identify You By Your Thoughts on Pizza and Rihanna
     https://munchies.vice.com/en/articles/scientists-can-identify-you-by-your-thoughts-on-
     pizza-and-rihanna

National Geographic Channel: Brain Surgery Live!
     10 minute segment on Brainprint / Brainhack filmed Summer 2015

Scientific American: "Brainprints" Could Be Future Security ID
     http://www.scientificamerican.com/podcast/episode/brainprints-could-be-future-security-id/

WIRED: WIRED Awake: 10 must-read articles for 5 June
     http://www.wired.co.uk/news/archive/2015-06/05/wired-awake-5-june

Huffington Post: 'Brainprints' Could Become The Password To Beat All Passwords
     http://www.huffingtonpost.co.uk/2015/06/03/brainprint-passwords-could-be-safest-
     biometric-to-protect-high-security-information_n_7501842.html

CNBC: Forget it: Brainwaves may replace passwords
     http://www.cnbc.com/id/102736609

KurzweilAI: 'Brainprints' could replace passwords
     http://www.kurzweilai.net/brainprints-could-replace-passwords

Invited Addresses

Google X	2016
University of Arkansas	2015
Google Advanced Technology and Projects (ATAP)	2015
Department of Psychology, University of Texas, San Antonio	2015
Society for Psychophysiological Research, 56th Annual Meeting	2015
Basque Center on Cognition, Brain, and Language	2014
Department of Psychology, University of Illinois, Urbana-Champaign	2013
Bard College	2012
Lehigh University	2012
Society for Psychophysiological Research, 49th Annual Meeting	2009
Society for Psychophysiological Research, 48th Annual Meeting	2008
Department of Neurology, St. Vincent's Hospital, Billings, MT	2006

Professional Affiliations

Society for Psychophysiological Research [Board Member, 2016]
Cognitive Neuroscience Society
Cognitive Science Society
Psychonomics Society [Fellow]

Women in Cognitive Science

Teaching

PSYC 607W: Nonparametric Statistics   2016
      Graduate
      Originator of this course at Binghamton University

PSYC 607: Human Electrophysiology   2016
      Graduate
      Originator of this course at Binghamton University

PSYC 473: Cognitive Approaches to Artificial Intelligence   2015-2016
      Mixed undergraduate and graduate
      Originator of this course at Binghamton University

PSYC 351: Perception   2014-2015
      Undergraduate
      Binghamton University

PSYC 352: Perception Lab   2012-2015
      Undergraduate
      Binghamton University

PSYC 607: Introduction to Computational Psychology in MATLAB   2013
      Graduate
      Originator of this course at Binghamton University

PSYC 473: Models of Cognitive Function   2011-2012
      Mixed undergraduate and graduate
      Originator of this course at Binghamton University

PSYC 593: Methods in Cognitive Neuroscience   2006
      Graduate
      University of Illinois, Urbana-Champaign

Summer Teaching Supervisor   2012, 2013, 2015
      Supervised all graduate students teaching summer courses
      in the Binghamton Psychology Department
      Classroom and Distance Learning

Mentoring, Junior Faculty

Prof. Patcy Yeung   Summer, 2015   Sabbatical from the University of Hong Kong

Mentoring, Postdoctoral

Trainee Name	Dates of Training	Topic of Research Project	Source of Support
Dr. Mallory Stites	2014-2016	Using Event-Related Potentials to Identify and Ameliorate Maladaptive Brain Activity in Children with Dyslexia	NSF 1422417

Mentoring, Graduate Students

Principle Advisor

Name	Dates of Training	Degrees Supervised	Topic of Research Project	Source of Support
Elizabeth Sacchi	2013-Present	MS, Psychology	Individual and hemispheric differences in the representation of orthography	BU Provost's fellowship
Maria Ruiz-Blondet	2012-Present	MS, Bioengineering MS, Psychology	EEG/ERP biometrics and ERP signal processing	NSF 1422417 BU ICG BU Health Sciences TAE
Negin Khalifian	2012-2015	MS, Psychology	ERP diagnostics for reading disorder	NSF 1252975
Julie Gregg	Summer 2015-Present	MS, Psychology [Committee]	Development of predictive language processing	NSF 1252975
Katherine Connors	2016-Present			

Committees

Name	Dates of Training	Committees	Area
Alecia Moser	2015-Present	Prelim	Cognitive
Garett Honke	2014-Present	Masters, Prelim	Cognitive
Sarah Olsen	2014-Present	Prelim	Cognitive

Name	Dates of Training	Committees	Area
Nolan Conaway	2013-2016	Masters, Prelim, Dissertation	Cognitive
Julie Gregg	2013-Present	Masters, Prelim	Cognitive
Stanislav Sajin	2013-2016	Masters, Prelim, Dissertation	Cognitive
Katie Burkhouse	2013-2016	Dissertation	Clinical

Mentoring, Undergraduate Students

Honors Theses

Name	Thesis Year	Topic of Research Project
Julia Soares	2014	Assessing the Competition Assumption of the Exemplar Inhibition Account of Retrieval-Induced Forgetting *Kovacs Award Winner*
Fanny Chu *Chair of Committee*	2013	An Event-Related Potential Study of Phonological Ambiguity Resolution in the Two Cerebral Hemispheres *Daly Award Winner*
Hannah Weeks	2013	The Unidimensional Sort Bias *Burright Award Winner*
Evan Kesten	2013	EEG control of smart devices

Undergraduate Research Assistants

Jake Aronowitz
Aaron Baker [NIH BRIDGES]
Alexandra Bennett
Gregory Berger [NSF REU]
Stephanie Bhamdeo [NSF REU]
Patrick Brown
Amanda Ceravolo
Derek Chin
Fanny Chu

Rebekka Dejesse [NSF REU]
Amanda Dion
Aira Domingo
Hannah Faigen
Alexandra Francino
Daniel Friedman
Lawrence Gerchikov
Victoria Gertel
Raghav Goyal
Corey Greenwald
Alex Grieshaber

ElChanan Heller
Robert Higgins
Mary Horan
Daniela Jimenez
Andrea JoanLanne
Natalie Lista
Paul Melman
Courtney Merrell
Ryan Mirchin
Kaitlin Mooney
Claire Mulpeter

Gbassey Oteme [NIH BRIDGES]
Hannah Premo
Christopher Reid [NIH BRIDGES]
Kathryn Saturnino
Colleen Schwarz
Sonia Sharma
Victoria Tkacikova
Pradeep Thamboo
Chantia Wallace [NIH BRIDGES]

Scientific Review

Editorial Boards

Associate editor, *Psychophysiology*	2015-Present
Associate editor, *Developmental Neuropsychology*	2016-Present

Ad Hoc Journal Review

Applied Psycholinguistics
Bilingualism
Brain and Cognition
Brain and Language
Brain Research
Cerebral Cortex
Cognitive Science
European Journal of Cognitive Psychology
Experimental Aging Research
Experimental Brain Research
Frontiers in Psychology
Human Brain Mapping
Journal of Cognitive Neuroscience
Journal of Memory and Language
Journal of Neurolinguistics
Journal of Neuroscience
Language and Cognitive Processes
Language, Cognition, and Neuroscience
Neuropsychologia
Neuroscience
PLOS One
Psychonomic Bulletin and Review
Psychophysiology
Quarterly Journal of Experimental Psychology
Scientific Reports

Ad Hoc Grant Review

Dutch Council for the Humanities

German Research Foundation (DFG)

National Science Foundation (NSF); Perception, Action, and Cognition Section

Israel Science Foundation (ISF)

Service

Committees in Professional Societies

Board of Directors, Society for Psychophysiological Research	2016-Present
Moderator: Neuroscience and Technology Panel North Eastern Bioengineering Conference (NEBEC)	2016
Women in Science and Education (WISE) Panel Society for Psychophysiological Research	2016
Program Chair, Society for Psychophysiological Research	2015-2016

2016 Annual Meeting

Educational Roundtables, Society for Psychophysiological Research	2015
Poster Award Committee, Society for Psychophysiological Research	2010, 2011 2012, 2014

University Service

Harpur Welcome Week "Lunch and Learn"	2016
NSF STEM Orientation	2015
Research Days Lab Tours	2015
Invited Faculty Participant, Student Philanthropy Committee "Happy Office Hours"	2015
Invited Faculty Participant, Phi Beta Kappa Induction Ceremony	2015
Panelist, Biochemistry Club Faculty Mixer	2014, 2015
Psychology Department Representative, High Performance Computing Task Force	2014-Present
Panelist, "NSF CAREER Workshop"	2013
Psychology Department Representative, Admitted Students Welcome Fair	2012-2013
Psychology Department Representative, Harpur College Alumni Homecoming	2012

Departmental Service

Colloquium organizer: Heather Sheridan [SUNY Albany]	2016
C&BS Area Hire: Committee Co-Chair	2016
Visiting Assistant Professor Search Committee	2015
Colloquium organizer: David Groppe [University of Toronto]	2015
Colloquium organizer: Laura Matzen [Sandia National Labs]	2015
Colloquium organizer: Nathan Parks [University of Arkansas]	2015
Colloquium organizer: Stephanie Massol [Basque Center on Cognition]	2014
Colloquium organizer: Blair Armstrong [Basque Center on Cognition]	2014
Colloquium organizer: Kara D. Federmeier [University of Illinois]	2014
Colloquium organizer: Natasha Tokowicz [University of Pittsburgh]	2014
Colloquium organizer: Matt Pontifex [Michigan State University]	2014
Guest Speaker, Psychology Campfire Talks	2013

Member, Awards Committee   2012-Present
Chair, Awards Committee   Fall 2015- Present
Member, Undergraduate Committee   2012-2014, 2016
Summer Session Teaching Supervisor   2012, 2013, 2015
Scheduling of PhD applicant interviews   2012-2013
Colloquium organizer: Edward Wlotko [Tufts University]   2012
Keynote Speaker, Psi Chi Induction Ceremony   2012
Member, Science IV Renovation Panel   2011-2012

Community Service

Can Computers Think? (AI Workshop)
    AAUW TechSavvy (a STEM program for girls grades 6-9)   2016

Your Electric Brain (Enrichment program)
    NY State Odyssey of the Mind Tournament   2015
    Seton Catholic School   2015
    Glenwood Elementary School   2015
    ICK! Science Expo, Binghamton University   2014
    Binghamton Public Library   2013-2014
    Roberson Science Center   2013-2014
    Boys and Girls Club of Binghamton   2013-2014
    Jewish Community Center   2013
    Brain Awareness Day, African Road Elementary School   2013
    Science Club, African Road Elementary School   2012-2013
    NYPENN Girl Scout Convocation   2012