

## **Erin J. Libsack**

### **EDUCATION**

**Ph.D., Clinical Psychology, Expected June 2023** 2017 – Present  
Stony Brook University, Stony Brook, NY  
Advisor: Matthew D. Lerner, Ph.D.

**Bachelor of Arts, Psychology** 2013  
University of Washington, Seattle, WA  
Major in Psychology, Minor in History

### **HONORS & AWARDS**

#### **RESEARCH & TRAVEL**

- Research Staff Development Committee Professional Development Award (2017).  
Seattle Children's Research Institute, Seattle, WA.
- Research Staff Development Committee Professional Development Award (2016).  
Seattle Children's Research Institute, Seattle, WA.

#### **ACADEMIC**

- Certificate of High Scholarship: Selection to the Annual Dean's List, University of Washington, Seattle, WA: 2011-2012.
- Dean's List, University of Washington, Seattle, WA: Winter 2011, Autumn 2011, Winter 2012, Spring 2012, Autumn 2012.

### **POSTER PRESENTATIONS**

**Libsack, E. J.**, Kresse, A., Neuhaus, E., Bernier, R., Pelphrey, K., Webb, S.J. & The ACE GENDAAR Consortium (2017). Restricted and Repetitive Behaviors and Interests Differ by Sex and Age in High Functioning Children with ASD. Poster presented at the International Meeting for Autism Research (IMFAR), San Francisco, CA.

Lee, Y. R., Kresse, A., **Libsack, E. J.**, Bernier, R., & Webb, S. J. (2017). Gender Differences and Implicit Learning in Autism Spectrum Disorder. Poster presented at the University of Washington Mary Gates Undergraduate Research Symposium, Seattle, WA.

Song, Y., Kresse, A., **Libsack, E. J.**, Bernier, R., Webb, S. J. (2017). Effect of Siblings on Language Learning in Children with Autism Spectrum Disorder: An EEG Study. Poster presented at the University of Washington Mary Gates Undergraduate Research Symposium, Seattle, WA.

**Libsack, E. J.**, Kresse, A., Neuhaus, E. E., Trinh, S., Bernier, R., Pelphrey, K., Webb, S. J. & The ACE GENDAAR Consortium (2016). Timing of ASD Diagnosis: Demographic Factors of Influence. Poster presented at the International Meeting for Autism Research (IMFAR), Baltimore, MD.

Clawson, A., Kresse, A., **Libsack, E. J.**, Neuhaus, E. E., Hudac, C. M., Bernier, R., Aylward, E. H., and Webb, S. J. (2016). Sex Differences in Implicit Learning Among Youth with Autism. Poster presented at the International Meeting for Autism Research (IMFAR), Baltimore, MD.

Neuhaus, E. E., Kresse, A., **Libsack, E. J.**, Webb, S. J., Bernier, R., and Pelphrey, K. (2016). Linking Social Motivation to Social Skill: Contributions of Anxiety & Impulsivity. Poster presented at the International Meeting for Autism Research (IMFAR), Baltimore, MD.

Bothe, R., Kresse, A., **Libsack, E. J.**, Bernier, R., & Webb, S. J. (2016). Pre- and Perinatal Conditions as Potential Risk Factors in the Development of Autism. Poster presented at the University of Washington Mary Gates Undergraduate Research Symposium, Seattle, WA.

Dever, R., Kresse, A., **Libsack, E. J.**, Bernier, R., & Webb, S. J. (2016). EEG Alpha Pattern Differences in Children with Autism Spectrum Disorder. Poster presented at the University of Washington Mary Gates Undergraduate Research Symposium, Seattle, WA.

Kaur, R., Kresse, A., **Libsack, E. J.**, Bernier, R., & Webb, S. J. (2016). Relationship Between Autism Severity and Intellectual Ability Among Boys and Girls with Autism Spectrum Disorders. Poster presented at the University of Washington Mary Gates Undergraduate Research Symposium, Seattle, WA.

Lee, Y. R., Kresse, A., **Libsack, E. J.**, Bernier, R. & Webb, S. J. (2016). Gender Difference in Social Communication Abilities in Children with Autism Spectrum Disorder. Poster presented at the University of Washington Mary Gates Undergraduate Research Symposium, Seattle, WA.

Burris, R., Kresse, A., **Libsack, E. J.**, Bernier, R., Webb, S. J. (2015). Investigating Gender Bias in the Social Responsiveness Scale. . Poster presented at the University of Washington Mary Gates Undergraduate Research Symposium, Seattle, WA.

Dever, R., Kresse, A., **Libsack, E. J.**, Bernier, R., & Webb, S. J. (2015). Group Activity Involvement and Social Skills in Children with Autism Spectrum Disorder. Poster presented at the University of Washington Mary Gates Undergraduate Research Symposium, Seattle, WA.

Forman, R., **Libsack, E. J.**, Kresse, A., Anderson, A., Faja, S., Neuhaus, E., Bernier, R. & Webb, S. J. (2015). Imitation Ability and EEG Mu Rhythm across Genders in Children with and without Autism. Poster presented at the University of Washington Mary Gates Undergraduate Research Symposium, Seattle, WA.

Panjwani, H., Kresse, A., **Libsack, E. J.**, Bernier, R., & Webb, S. J. (2015). An Exploration of Gender Differences in Social Skills of Pubertal Adolescents with Autism. Poster presented at the University of Washington Mary Gates Undergraduate Research Symposium, Seattle, WA.

Kresse, A., **Libsack, E. J.**, Ward, T., Ankenman, K., Neuhaus, E. E., Faja, S., Webb, S. J., & Bernier, R. (2014). The Impact of Birth Order and Sibling Age on Language in Individuals with ASD. Poster presented at the International Meeting for Autism Research (IMFAR), Atlanta, GA.

## **ORAL PRESENTATIONS**

**Libsack, E. J.**, Warren, J. (2012). Psilocybin: History, Pharmacology, and Potential Therapeutic Applications. Oral presentation. Drugs and Behavior Research Seminar, Department of Psychology, University of Washington, Seattle, WA.

## **PROFESSIONAL ORGANIZATIONS & AFFILIATIONS**

- Co-chair of Electrophysiology Journal Club, Seattle Children's Research Institute, 2014-2015.
- Phi Theta Kappa International Honors Society Member.

## **RESEARCH EXPERIENCE**

### **Seattle Children's Research Institute, Seattle, WA Center for Child Health, Behavior, and Development**

Advisor: Sara Jane Webb, Ph.D.

*Clinical Research Associate*

2014 – 2017

*Undergraduate Intern*

2013 – 2014

***Multimodal Developmental Neurogenetics of Females with ASD.*** PI: Kevin Pelphrey, Ph.D.

Multi-site exploration of sex differences in brain structure, function, connectivity and temporal dynamics in ASD, and relation of those differences to heterogeneity in ASD behavior and genetics. Subjects include children and adolescents with ASD, unaffected siblings, and typically developing controls, aged 8-17 years.

***Mechanisms of Face Recognition in ASD.*** PI: Sara Jane Webb, Ph.D.

Collaborative multi-site study with Yonsei University (Seoul, South Korea) using EEG and behavioral measures to explore how child race, ethnicity, and community ethnicity influence recognition of facial emotions by children with and without ASD, of either 100% Caucasian or 100% Korean racial/ethnic background, aged 10-17 years.

***Family Experience with Girls with ASD.*** PI: Sara Jane Webb, Ph.D.

Qualitative interview study exploring the unique maternal experience of raising a daughter with ASD.

Responsibilities within these projects included:

- Running behavioral and EEG experiments, including application of high-density HydroCel electrode caps, with sensitive populations; Overseeing and walking

- participants through registration, fMRI, and blood-draw portions of hospital visits; Processing and hand-editing EEG and ERP data using NetStation; Recording and editing videos of behavioral visits for later coding.
- Recruitment, screening, scheduling, and consenting research participants; Administration and scoring of clinical measures; Coding behavioral measures; Data entry.
  - Composition and submission of IRB applications and modifications; Coordination with the Yale Human Investigation Committee (HIC); Management of subject inducement payments; Management of subject enrollment and diversity figures for IRB and NIH progress reports; Exportation and organization of data submissions to the National Database for Autism Research (NDAR); Proof-reading grant applications; Literature reviews; Management of study protocols and materials.
  - Attending and presenting posters at scientific conferences; Attending lab meetings, cross-site research coordinator and EEG meetings, grant planning and budget meetings, Psychiatry Grand Rounds at the hospital, and faculty work-in-progress seminars at the Research Institute.
  - Training undergraduate interns; Overseeing interns' poster presentations for the undergraduate research symposium at UW; Co-leading EEG journal club.

### **Psychophysiology and Behavioral Systems Lab**

#### **Center for Human Development and Disability**

**Department of Psychiatry and Behavioral Science, University of Washington, Seattle, WA**

Advisor: Sara Jane Webb, Ph.D.

*Undergraduate Intern*

2013 – 2014

***Social Processing, Language, and Executive Functioning in Twin Pairs: Electrophysiological and Behavioral Endophenotypes.*** PIs: Sara Jane Webb, Ph.D. & Raphael Bernier, Ph.D.

Exploration of the heritability of behaviors in three domains affected in ASD. Behavioral and electrophysiological indices of social processing (face memory and processing, imitation ability), language (phonological processing ability, pragmatics, verbal IQ), and executive functioning (inhibition, spatial working memory, set shifting), were examined in twin pairs with ASD or typical development, aged 5-22 years.

Responsibilities included:

- Setting up for and helping with electrode impedances prior to EEG sessions; Behavioral assistant during EEG sessions; Training new interns to act as behavioral assistants.
- Editing DVD recordings of phenotyping sessions for later behavioral coding.
- Coding, scoring, and data entry of behavioral measures.
- Using SPSS to analyze data.

### **Neurobehavioral Lab**

**Department of Psychology, University of Washington, Seattle, WA**

Advisor: Jaime Diaz, Ph.D.

- Designed and conducted blind drug study in rats; Conducted literature reviews; Experience handling rats; Familiarity with ANYmaze software; Data analysis using SPSS; Oral and poster presentation of research findings (**Libsack, E. J.**, Suhrbier, T., Huynh, K. (2012, December). Do the anxiolytic-effects of ethanol produce differences in measures of open field exploration in rats? Department of Psychology, University of Washington, Seattle, WA.).
- Anatomy practicum of human, sheep, and rat brains.
- Ethical considerations of animal research.

### **OTHER EXPERIENCE**

**Clinical Measures:** Trained and research-reliable on administration and scoring of:

- Clinical Evaluation of Language Fundamentals - 4th Edition (CELF-4) - Child assessment.
- Vineland Adaptive Behavior Scales, Second Edition (Vineland-II) - Parent/Caregiver interview.
- Diagnostic Analysis of Non-Verbal Behavior, Second Edition (DANVA2) - Child assessment.
- Reading the Mind in the Eyes Test - Child assessment.
- Pragmatic Rating Scale (PRS) – Child interview, behaviorally coded.
- Family and Subject Medical History Interviews - Parent/Caregiver interview.

**Electrophysiology:** Application of high-density HydroCel electrode caps; Use of NetStation for EEG data acquisition, and for processing and hand-editing EEG and ERP data; Use of ePrime to run EEG and fMRI experiment paradigms; Running system and paradigm timing tests; Bucket testing electrode caps.

### **SERVICE**

#### **Renaissance 21, Seattle, WA**

*Volunteer*

2009 – 2013

This local non-profit organization focuses on providing free and low-cost STEM (science, technology, engineering, and math) educational programs to at-risk youth in the Seattle-Puget Sound area. Responsibilities included:

- Researching grant opportunities, proof-reading and editing grant applications.
- Organizing fundraising events such as raffles and silent auctions.
- Interviewing students, teachers, and administrative staff at local schools to determine demographic specifications and assess schools' needs and expectations for the programs.

#### **Asociacion Salvemos las Tortugas de Parismina (ASTOP), Parismina, Costa Rica**

*Volunteer*

2007

A non-profit conservation organization that works to protect endangered leatherback sea turtles and their eggs from illegal poaching, while simultaneously providing the small Caribbean community with a viable alternative economy. Responsibilities included:

- Nightly beach patrols.
- Transporting eggs from nesting grounds to the protected hatchery.
- Gathering data via written and video documentation.

**Proyecto Asis, Javillos, Costa Rica**

*Volunteer*

2007

A non-profit animal conservation agency based out of the Asis Wild Animal Rescue Center.

Responsibilities included:

- Observing and gathering data on the daily migrations of the endangered scarlet macaw.