

**LINDSEY ROSENTHAL**[lindsey.rosenthal@yale.edu](mailto:lindsey.rosenthal@yale.edu) | 408-718-8398**EDUCATION**

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**Smith College****Bachelor of Arts, May 2022**

Neuroscience, High Honors

Minor in Applied Statistics

*Cumulative GPA: 3.69**Senior Honors Thesis: Exploring the Relationships Between Socioeconomic Status, Expressive Language, and Self-Injurious Behaviors in Children with Autism Spectrum Disorder**Thesis Faculty Advisors: Ellen Hanson, Ph.D. (Boston Children's Hospital) & Lisa Mangiamele, Ph.D. (Smith College)**\*Due to the COVID-19 pandemic, some psychology prerequisite coursework (GPA: 4.0) was completed at Foothill-De Anza Community College District (see transcripts for details)***PEER-REVIEWED PUBLICATIONS**

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1. Matuskey, D., Yang, Y., Naganawa, M., Koohsari, S., Toyonaga, T., Gravel, P., Pittman, B., Torres, K., Pisani, L., Finn, C., Cramer-Benjamin, S., Herman, N., **Rosenthal, L.H.**, et al. (*under review*). Synaptic density is lower in autism spectrum disorder.
2. Mariotti, E., **Rosenthal, L. H.**, Dalmoura, S., Ionita, C., & Vassilopoulos, A. (*under review*). Are we trying to put wallpaper on the gap within the hospital? The multifaceted process of transition planning in youth with neuromuscular disorders.
3. Griffin, J. W., Azu, M. A., Cramer-Benjamin, S. H., Franke, C. J., Herman, N. G., Keifer, C. M., Iqbal, R., **Rosenthal, L. H.**, & McPartland, J. C. (2023). Investigating the face inversion effect in autism across behavioral and Neural measures of face processing: A systematic review and Bayesian meta-analysis. *JAMA Psychiatry*, e232105. Advance online publication. doi:10.1001/jamapsychiatry.2023.2105

**ORAL AND POSTER CONFERENCE PRESENTATIONS**

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1. **Rosenthal, L. H.**, Keifer, C. M., Cukar-Capizzi, C. C., Naples, A., Wolf, J.M., & McPartland, J. C. (*under review*). *Differences in timeliness of autism diagnosis in autistic children with and without co-occurring intellectual disability* [Poster abstract]. International Society for Autism Research Meeting, Melbourne, Australia.
2. Schütz, A., Keifer, C. M., Herman, N. G., **Rosenthal, L. H.**, Naples, A., & McPartland, J. C. (*under review*). *Adaptive behavior profiles of autistic children and adolescents according to sex and IQ* [Poster abstract]. International Society for Autism Research Meeting, Melbourne, Australia.
3. Herman, N. G., Wolf, J.M., Naples, A., Keifer, C. M., **Rosenthal, L. H.**, Silber, S.P., & McPartland, J. C. (*under review*). *Trends in maladaptive behaviors among autistic and non-autistic youth across three decades* [Poster abstract]. International Society for Autism Research Meeting, Melbourne, Australia.

4. Silber, S.P., Wang, L.A., Naples, A., Keifer, C. M., Herman, N. G., **Rosenthal, L. H.**, & McPartland, J. C. (under review). Motor skills associate with restricted and repetitive behaviors but not social affect in autism [Poster abstract]. International Society for Autism Research Meeting, Melbourne, Australia.
5. **Rosenthal, L. H.**, Keifer, C. M., & McPartland, J. C. (2023, August 18). *Birth order & adaptive functioning in clinic-referred youth* [Poster presentation]. The 3<sup>rd</sup> Annual Yale Postgraduate Associate Symposium, New Haven, CT.
6. Reimer, S., Keifer, C. M., **Rosenthal, L. H.**, & McPartland, J. C. (2023, July 28) *Associations between birth order, language, and communication in autistic youth* [Poster presentation]. Developmental Science Summer Internship Poster Session, New Haven, CT.
7. **Rosenthal, L. H.**, Gerber, A. H., Chawarska, K., Dawson, G., Bernier, R., Kleinhans, N., Jeste, S., Faja, S., Dziura, J., Webb, S., Sugar, C., Shic, F., Naples, A., & McPartland, J. (2023, May 3-6). *Sex differences in anxiety symptoms and eye-blink rates in children with autism: Results from the Autism Biomarkers Consortium for Clinical Trials (ABC-CT)* [Poster presentation]. International Society for Autism Research Meeting, Stockholm, Sweden.
8. Murray, J. R.\*, **Rosenthal, L. H.\***, Mussarrat, S., Rozumny, B., & Hanson, E. (2022, May 11-14). *A comparison of psychometric properties of BSIQ and ABC-C as a measure of RRBs in ASD research and clinical practice* [Virtual Poster presentation]. International Society for Autism Research Meeting. Austin, TX.  
\* Indicates shared first authorship
9. **Rosenthal, L. H.** (2022, April 28). "Exploring the relationships between socioeconomic status, expressive language, and self-injurious behaviors in children with autism spectrum disorder" [Thesis defense]. Life Sciences Honors Presentations, Smith College, Northampton, MA.
10. **Rosenthal, L. H.** (2022, February 28). "Exploring the relationships between socioeconomic status, expressive language, and self-injurious behaviors in children with autism spectrum disorder" [Preliminary thesis presentation]. Life Sciences Lunch Bag Series: Preliminary Honors Presentations, Smith College, Northampton, MA.

## RESEARCH EXPERIENCE

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**7/2022 – Present**     **Sara S. Sparrow Fellow in Clinical Neuroscience**  
 McPartland Lab, Yale Child Study Center, Yale School of Medicine  
PI: James McPartland, Ph.D.  
Overview: Work directly with children (6+ years old) and adults with autism and/or related developmental disabilities and their families in the research setting. Investigate autism from a clinical neuroscience perspective by measuring social brain function and associated behavior.  
General Responsibilities

- Collect survey data and manage participant data in REDCap
- Collect electroencephalography (EEG) and eye-tracking (ET) data using Net Station and EyeLink systems on neurotypical and autistic participants

- Provide behavioral support for children during EEG and ET sessions
- Process EEG data utilizing MATLAB
- Conduct interviews with parents of neurotypical and autistic children (Vineland-III)
- Administer cognitive assessments (DAS-II) and facial recognition tasks (NEPSY) to neurotypical children 6-17 years old
- Score protocols: DAS-II, BASC, NEPSY, CASI-5, VABS-III, etc.
- Conduct independent research projects, conduct literature reviews, assist with manuscript preparation and grant submissions
- Observe licensed clinicians administer cognitive assessments (WASI-II, DAS-II, ADOS-2, NEPSY) to autistic participants
- Mentor undergraduate students and train new research fellows

#### Autism Biomarkers Consortium for Clinical Trials (ABC-CT)

- Assist with data collection on research visits (80+ visits)
- Secondary study coordinator for Yale site of this multi-site study; attend weekly administrative study-wide Zoom meetings, consistently update regulatory and protocol document records, review all entered data to ensure it was accurately entered and scored in preparation for interim external monitoring visits, ensure experimenters are properly certified
- Coordinate blood draws for autistic participants and provide behavioral support during procedure

#### Noninvasive Brain Stimulation to Treat Core Social Deficits in ASD

- Assist with data collection on research visits (30+ visits)
- Administer Transcranial Magnetic Stimulation (TMS) on adult research participants
- Administer facial recognition tasks (RMET, Benton)
- Conduct pre- and post-TMS interviews
- Prepare quarterly reports for funding source (Department of Defense)

#### Probabilistic Enactive Learning - Adapting Biomarker Assays for Children with ASD and Intellectual Development

- Assist with data collection on research visits (8+ visits)
- Work with children 6-17 years old with autism and/or intellectual disability
- Conduct parent interviews (pre-visit child behaviors & preferences interview, Vineland-III)
- Follow desensitization protocols for the EEG and ET sessions

#### Understanding Face Differences in Autism Using ERPs: An EEG Study of Correlates of Face Processing and Neural Plasticity

- Assist with data collection on research visits (4+ visits)

#### Neural Correlates of Social Processing: An EEG Study

- Build surveys in REDCap & assist with study design development

**6/2021 – 5/2022**

#### **Undergraduate Student Intern**

Human Neurobehavioral Core Service, Boston Children's Hospital

Supervisors: Ellen Hanson, Ph.D., Brian Rozumny & Sadiyah Mussarrat

Overview: Assisted with and observed neuropsychology assessments of children (4+ years old) with rare genetic conditions, including Tuberous Sclerosis Complex, Kleefstra, and Phelan-McDermid, Autism, and other neurodevelopmental disabilities.

- Assisted with administering cognitive assessments (Stanford Binet, DAS-II, WPPSI-IV, Mullen, WAIS-IV) and parent interviews (BSIQ, Vineland-III)
- Observed ADOS-2 assessments and participated in score reliability sessions with an ADOS-2/ADI-R USA Trainer (Dr. Hanson)
- Scored assessment protocols and drafted participant visit reports
- Shadowed physicians and licensed psychologists in the NICU Growth & Developmental Support Program Clinic
- Completed independent research projects

**9/2021 – 5/2022**

**Undergraduate Honors Student Researcher**

Honors Thesis: Exploring the Relationships Between Socioeconomic Status, Expressive Language, and Self-Injurious Behaviors in Children with Autism Spectrum Disorder

Thesis Advisors: Ellen Hanson, Ph.D. (Boston Children's Hospital) & Lisa Mangiamele, Ph.D. (Smith College)

- Senior Honors Thesis project that explored potential risk factors for specific types of SIBs and their severity using the Behavior Sensory Interest Questionnaire
- Independently developed research proposal
- Ran data analysis and created figures in R
- Authored a 19-page research report, delivered a 25-minute presentation to faculty and students along with 15-minute Q&A

**2/2021 – 12/2021**

**Undergraduate Student Researcher**

Course: NSC 312 Seminar: Targeted Drug Delivery to the Nervous System

Instructor: Alexis Ziemba, Ph.D. (Smith College)

NSF GRFP Mock Grant Proposal: Studying the Effects of Levetiracetam Loaded Nanoparticles Via Intranasal Delivery on Pediatric Epilepsy

- Proposed a potential administration method for the treatment of pediatric refractory epilepsy using levetiracetam loaded Poly(lactic-co-glycolic acid) nanoparticle nasal spray on infant rats
- Communicated research proposal in a 3-minute presentation to a general audience

Course: PSY 320 Biological Rhythms Research Seminar

Instructor: Mary Harrington, Ph.D. (Smith College)

Individual Term Project: Ethnicity and Puberty As Potential Indicators of Diurnal Cortisol Rhythm Differences in Adolescents

- Used R to clean data, run statistical analysis, and create visualizations of diurnal cortisol rhythms markers from a publicly available dataset
- Expressed results and findings in the form of a 13-page research paper & 10-minute presentation.

- 6/2020 – 12/2020 Summer 2020 Internship Cohort and Research Assistantship**  
 Emotion, Health, & Psychophysiology Lab, UC San Francisco  
PI: Wendy Berry Mendes, Ph.D.; Supervisor: Sheyda Zebajadian  
Overview: Assisted with in data collection and processing for studies that focused on stress responses including conflict conversations, stress resilience, and social experiences.
- Applied physiological sensors (ECG, Impedance Cardiography, BP Cuff)
  - Acted as Trier Social Stress Test judge during research visits
  - Conducted behavioral coding of entire dyad study with 60+ sets of videos of couples
  - Debriefed women with depressive symptoms who participated in a stress resilience study
  - Ran and coordinated complex research visits involving blood draws and saliva sample collections, while following strict COVID-19 procedures
  - Acquired physiological data, scored and analyzed in AcqKnowledge and MindWare
- 6/2019 – 8/2019 Summer Student Research Intern**  
 Center for Interdisciplinary Brain Sciences Research, Stanford University School of Medicine  
PI: Dr. Allan Reiss, M.D.; Co-Investigator: Amy Lightbody, Ph.D.  
Overview: Summer research intern for the Girl BAND Study; neurobiological and behavioral outcomes in girls with Fragile X Syndrome.
- Completed data entry and verification in REDCap
  - Set up & administration fNIRS, biometrics kit, and SMI glasses for an interactive conversation task
  - Conducted eye-tracking coding with BeGaze Software
  - Consistently updated participant files and compiled participant reports
  - Observed participant MRI sessions and assessments

## CLINICAL EXPERIENCE

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- 7/2023 – Present Pediatric Health Psychology Trainee**  
 Pediatric Specialty Center, Yale Medicine  
Supervisor: Areti Vassilopoulos, Ph.D.
- Shadow a licensed pediatric psychologist (Dr. Vassilopoulos), epileptology neurologist (Dr. Vinita Knight, MD), and neuroimmunologist (Dr. Naila Makhani, MD, MPH) during multidisciplinary patient appointments
  - 4 hours/month
- 12/2022 – Present Comfort Ability Program Team Member**  
 Comfort Ability Program, Yale Child Study Center, Yale School of Medicine  
Supervisor: Areti Vassilopoulos, Ph.D.  
Overview: The Comfort Ability Program is an internationally disseminated clinical intervention workshop for youth (10-17 years-old) with chronic

pain conditions and their caregivers created at Boston Children's Hospital. Team members are responsible for the planning of workshops and patient-facing experiences during workshops.

- Complete screening and recruitment calls with families for program participation following referrals from physicians, nurse practitioners, psychologists, and self-referrals
- Shadow licensed pediatric psychologists and assist with clinical intervention workshops (20.5 hours)
- Distribute, manage, and collect survey data using REDCap
- Communicate with caregivers via email and phone
- Volunteer 4 hours/week

**7/2022 – Present**

**Postgraduate Associate**

Developmental Disabilities Clinic, Yale Child Study Center, Yale School of Medicine

Supervisor: James McPartland, Ph.D.

Overview: Multidisciplinary clinic that provides evaluations and social skills assessments for children with developmental disabilities and delays.

- Attend weekly rounds with a multidisciplinary assessment team
- Conduct semi-structured parent interviews (Vineland-III) and draft assessment reports
- Support assessment team by engaging with children with mental health conditions and developmental disabilities while parents are receiving feedback from clinicians
- Observe child psychology testing, speech & language assessments, and parent psychiatry interviews

## **HONORS, AWARDS, AND MEMBERSHIPS**

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- International Society for Autism Research, Member, October 2022-Present
- Dean's List, Smith College, 2021-2022 Academic Year
- Departmental High Honors in Neuroscience, Smith College, May 2022
- Mu Sigma Rho, National Statistics Honor Society, Member
- Nu Rho Psi, National Honor Society in Neuroscience, Member
- Smith College Universal Conference Fund 2021-22; Awarded \$320
- Dean's List, Foothill College, Fall Quarter 2020
- Smith College Praxis Program, Summer 2020 Internship Funding; Awarded \$3,000

## **RELEVANT PROFESSIONAL EXPERIENCE**

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**9/2021 – 5/2022**

(Part-time)

**Peer Advisor/Reception Assistant**

Smith College Lazarus Center for Career Development – Northampton, MA

- Provided feedback to students on their resumes, cover letters, and applications for jobs, internships, and graduate school
- Managed reception services; answered front desk phone, greeted students, and scheduled advising appointments

- 6/2018 – 1/2020**      **Activity Lead/Counselor**  
 (Seasonal)      Steve & Kate's Camp – Los Altos, San Jose, & Menlo Park, CA
- Supervised groups of 10 - 25 campers (ages 4-15) throughout the day
  - Designed and led specialized activities for campers 4-5 years old
  - Performed first aid
  - Communicated with parents via email and phone
  - Provided mentorship for teen campers in the Mentorship Program

## **LEADERSHIP AND MENTORSHIP EXPERIENCE**

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- 9/2021 – 5/2022**      **Short-Term Projects Co-Chair**  
 Community Service Office, Smith College  
 Developed projects and helped facilitate short-term volunteer projects by working directly with Smith College staff and students and local community organizations.
- 9/2020 – 5/2022**      **AEMES Program Peer Mentor**  
 Achieving Excellence in Math, Engineering, and Sciences (AEMES) Program, Smith College  
 Peer mentored 3 first-year students from underrepresented groups in STEM. Conducted weekly check-ins, provided academic and social support, and helped mentees navigate life as a STEM student at Smith.
- 8/2019 – 3/2020**      **Social Events Co-Chair**  
 Baldwin House Council, Smith College  
 Organized and hosted house-wide social events ranging from 15-50 attendees. Events included movie nights, Finals Week relaxation activities, and Winter Weekend formal
- 10/2018 – 3/2020**      **Engagement Committee Chair**  
 Student Ambassador Program, Smith College  
 Leadership development program that bridges the gap between alumnae and current students. Represented the college at events and conferences, organized program-wide meetings and events (i.e., Dining with Diversity Alumni/Student dinner), and managed a 7-person committee.

## **ACTIVITIES AND COMMUNITY BASED SERVICES**

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- 8/2021 – 5/2022**      **Organization Member, Multiethnic Interracial Smith College**  
 Unity group on campus for students who identify as mixed race, multinational, or trans-racial adoptees. Attended bi-monthly community building meetings and events.
- 2/2021 – 5/2022**      **Gold Key Campus Tour Guide, Smith College**  
 Provided weekly in-person campus tours and virtual Zoom information sessions to prospective students and their families. Connected with admitted students via email.

**9/2019 – 3/2020**      **Volunteer Classroom Assistant**  
Homework House – Holyoke, MA  
Provided consistent 1:1 mentoring and academic assistance for at risk and economically disadvantaged students. Tutored math and English for 3rd graders while promoting an encouraging learning environment. Volunteered 4 hours/week.

#### **CERTIFICATIONS**

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**Basic Life Support Provider (CPR & AED)**

Certified by American Heart Association  
Valid 8/2022 - 8/2024

#### **ADDITIONAL LANGUAGES SPOKEN**

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Mandarin, Intermediate Proficiency (Graduate of the Cupertino Language Immersion Program)