

# Curriculum Vitae

## Chandler Elizabeth Knott

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### EDUCATION

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University of South Carolina, Columbia, SC Doctor of Philosophy, School Psychology Advisors: Jane Roberts, Ph.D. & Kimberly Hills, Ph.D.	Present
University of South Carolina, Columbia, SC Bachelor of Science in Experimental Psychology, Counselor Education Graduated December 2017, Cum Laude	August 2014-December 2017

### HONORS & AWARDS

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Cum Laude	December 2017
USC Achievement Scholarship	2017
University of South Carolina President's List (4.0 GPA)	2015-2017
University of South Carolina Dean's List (3.5 GPA)	2016-2017

### PROFESSIONAL ASSOCIATIONS

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Student Member, American Psychological Association (APA)  
Student Member, National Association of School Psychologists (NASP)  
Student Member, International Society for Autism Research (INSAR)

### GRANT AWARDS AND ACTIVITY

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Magellan Scholar Grant: \$2,500 University of South Carolina, Columbia, SC <i>"Early Features of Anxiety Behavior in Infants at Risk for Autism Spectrum Disorders"</i>	April 2017
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### MANUSCRIPTS (1)

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1. **Knott, C.**, Will, E.A., & Roberts, J.E. (in prep). Sensory Processing in children with Fragile X syndrome and Idiopathic Autism: Implications for Maladaptive Behavior and Within-syndrome Heterogeneity.

### PRESENTATIONS (9)

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1. **Knott, C.**, Will, E. A., & Roberts, J. E. (2021, April 6-8). *Sensory Processing and Maladaptive Behavior in Young Children with Autism Spectrum Disorder and Fragile X Syndrome with and without Comorbid Autism Spectrum Disorder*. Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, Virtual Conference.
2. Will, E.A., **Knott, C.**, Smith, K., & Roberts, J.E. (2020, July). *Developmental Divergence in Infancy: Profiles Across Genetic Conditions and Typically Developing Infants*. International Congress on Infant Studies (virtual conference).
3. **Knott, C.**, Will, E. A., & Roberts, J. E. (2020, April 15-17). *Sensory Processing and Maladaptive Behavior in Young Children with Autism Spectrum Disorder and Fragile X Syndrome with and without Comorbid Autism Spectrum Disorder*. Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities, San Diego, CA, United States (conference canceled).
4. **Knott, C.**, Will, E. A., Roberts, J. E. (2019, May). *Sensory Processing in Relation to Sleep Disturbances in Young Children with Autism Spectrum Disorder and Fragile X Syndrome with and without Comorbid Autism Spectrum Disorder*.

*Disorder*. Poster presented at the International Society for Autism Research (INSAR) Annual Meeting, Montreal, Canada.

5. Besse, M. L., Sullivan, M. E., **Knott, C.**, Ezell, J. A., & Roberts, J. E. (2019, April). The relationship between atypical sensory processing and anxiety in siblings of children with autism spectrum disorder. Poster session presented at Discover USC, Columbia, SC.
6. Moser, C., **Knott, C.**, Will, E. A., & Roberts, J. E. (2019, March). *Sensor Over-Responsivity as it Relates to Sleep Disturbances in Fragile X Syndrome and Autism Spectrum Disorder*. Poster presented at the South Carolina Autism and Neurodevelopmental Disorders (SCAND) Research Symposium, Charleston, SC.
7. Brewe, A., Hogan, A. L., **Knott, C.**, & Roberts, J. E. (2018, May). *Vagal Tone as a Predictor of Separation Anxiety in Preschoolers at Elevated Risk for ASD*. Poster presented at the International Society of Autism Research (INSAR) Annual Meeting, Rotterdam, Netherlands.
8. **Knott, C.**, Smith, K., Reisinger, D., & Roberts, J.E. (2017, July). *Gender Differences in Intensity of Escape Behaviors as Antecedents of Anxiety*. Poster presentation at the Neurodevelopmental Disorders Summer Research Symposium at the University of South Carolina, Columbia, SC.
9. **Knott, C.**, Smith, K., Reisinger, D., & Roberts, J. (2017, April). *Intensity of Escape Behaviors as Antecedents of Anxiety in High-Risk Infant Populations*. Poster presented at Discovery Day 2017 at the University of South Carolina, Columbia, SC.

## **RESEARCH AND PROFESSIONAL EXPERIENCE**

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### **Neurodevelopmental Disorders Research Lab ([www.USCDevLab.com](http://www.USCDevLab.com))**

**University of South Carolina**, Columbia, SC

*Graduate Research Assistant*

Supervisor: Jane Roberts, Ph.D.

*“Emergence and Stability of Autism in Fragile X Syndrome”*

*“Emergence and Stability and Predictors of Anxiety in Fragile X Syndrome”*

- Administer and score clinical assessments including Autism Diagnostic Observation Schedule, 2<sup>nd</sup> Edition, Communication and Symbolic Behavior Scales, Vineland Adaptive Behavior Scales, Autism Diagnostic Interview-Revised, Preschool Age Psychiatric Assessment, Mullen Scales of Early Learning, Differential Abilities Scale- 2<sup>nd</sup> Edition
- Participate in clinical best estimate procedures
- Provide diagnostic feedback to families when appropriate under the supervision of a licensed psychologist
- Train other members of the lab on a variety of clinical assessments and oversee training progress
- Oversee assessment planning and scheduling
- Independently generate hypotheses, conduct analyses, and present at international conferences
- Provide supervision for undergraduate students within the lab, including mentorship of grant writing and poster presentations
- Attend journal clubs related to diversity and inclusion, professional development, statistical methods, and writing

### **Neurodevelopmental Disorders Research Lab ([www.USCDevLab.com](http://www.USCDevLab.com))**

January 2018-August 2020

**University of South Carolina**, Columbia, SC

*Research Specialist*

Supervisor: Jane Roberts, Ph.D.

*“Emergence and Stability of Autism in Fragile X Syndrome”*

*“Emergence and Stability and Predictors of Anxiety in Fragile X Syndrome”*

- Conducted extensive assessments on children with autism, siblings of children with autism, children with fragile X syndrome, children with Down syndrome and typically developing children from 6 months to 8 years old
  - Became proficient in a variety of developmental, screening, behavioral, diagnostic, and parent-report measures
    - Mullen Scales of Early Learning
    - Differential Ability Scales
    - Autism Observation Scale for Infants
    - Laboratory Temperament Assessment Battery
    - Autism Diagnostic Observation Schedule

- Vineland Adaptive Behavior Scales
  - Autism Diagnostic Interview-Revised
  - Preschool Age Psychiatric Assessment
- Collected biomarkers
  - Cortisol saliva swabs
  - Physiological heart rate data
  - Eye-tracking
  - EEG
- Coordinated and assisted in data management including data collection, entry, and analysis
- Recruited, enrolled, and scheduled participants
- Compiled behavioral observations and results from measures into written reports for each participant
- Assisted in writing diagnostic reports for participants when applicable
- Promoted to lead research specialist in charge of organizing and supervising training for Mullen Scales of Early Learning, Laboratory Temperament Assessment Battery and eye-tracking training for incoming graduate students and research assistants
- Supervised 5 undergraduate research assistants in pre and post assessment duties
- Mentored 3 undergraduate students on presentations and grant writing

**Neurodevelopmental Disorders Research Lab** ([www.USCDevLab.com](http://www.USCDevLab.com))

April 2017 –April 2018

**University of South Carolina**, Columbia, SC

*Student Investigator*

Supervisor: Jane Roberts, Ph.D.

*"Early Features of Anxiety Behavior in Infants at Risk for Autism Spectrum Disorders"*

- Awarded the Magellan Grant (\$2,500) to research early markers of anxiety in infants at high-risk for autism
- Coded infant escape behaviors during two tasks derived from the Laboratory Temperament Assessment Battery using Observer
- Achieved and maintained reliability coding for escape and gaze behaviors
- Disseminated results of project at the Discover USC conference in April 2018

**Neurodevelopmental Disorders Research Lab**

April 2016 –December 2017

**University of South Carolina**, Columbia, SC

*Undergraduate Research Assistant*

Supervisor: Jessica Klusek, Ph.D., CCC-SLP

*"Profiles and Predictors of Pragmatic Language Impairments in the FMRI Premutation"*

- Assisted with assessments for adolescents with fragile X syndrome
- Scored clinical assessments
- Assisted in report writing
- Responsible for data entry and data cleaning

**Obesity Research Group**, Columbia, SC ([www.fitusc.org](http://www.fitusc.org))

August 2015 – May 2016

*Undergraduate Research Assistant*

Supervisor: Dawn K. Wilson, Ph.D.

*"Families Improving Together (FIT) for Weight Loss"*

- Assisted in recruitment of participants by going to local events and calling families to enroll
- Scheduled participant appointments via phone
- Responsible for taking participant anthropometric measures (height, weight and skin fold) during appointments

## **SPECIALIZED TRAINING**

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**Autism Diagnostic Observation Schedule, Second Edition (ADOS-2)**

Trainer: Kimberly Hills, Ph.D., Certified ADOS Trainer

- Took graduate-level course on autism, ADOS-2, and Autism Diagnostic Interview – Revised
- Attended research reliability training under Dr. Kimberly Hills in June 2018
- Achieved independent research reliability on administration and scoring for all modules of the ADOS-2

- Maintenance of reliability

## **CLINICAL EXPERIENCE**

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**Psychology Services Center, University of South Carolina, Columbia, SC** August 2021-Present

*Child and Family Individual Therapist*

Supervisors: Jessica Bradshaw, Ph.D., Emily Neger, Ph.D.

- Implement evidence-based interventions with children and families presenting with a variety of behavioral and mental health concerns including ASD, ADHD, and anxiety
- Monitor client progress through use of standardized assessment measures
- Participate in group supervision, including receiving supervision from licensed psychologists
- Present case conceptualization and treatment plans during supervision sessions

**North Springs Elementary School, District Two of Richland County, Columbia, SC** August 2021-Present

*School Psychology Practicum Student*

Supervisors: Laura Barnett-Queen, Ph.D., Kimberly Hills, Ph.D.

- Receiving training on psychoeducational evaluation, academic remediation, response-to-intervention, and special education procedures
- Conducting psychoeducational assessments with elementary school students being evaluated for special education eligibility
- Providing teacher and parent consultation surrounding academic and behavioral concerns

**Psychology Services Center, University of South Carolina, Columbia, SC** Summer 2021

*Assessment Clinic Practicum Student*

Supervisor: Kimberly Hills, Ph.D.

- Conducted comprehensive psychological assessments with children presenting with behavioral and academic concerns including ASD and ADHD
- Developed and delivered integrated reports with recommendations to families

**Early Autism Project, Columbia, SC** May 2016-August 2019

*Registered Behavior Technician*

Supervisor: Jennifer Godwin, BCBA

- Completed 40 hours of RBT training
- Passed the RBT competency assessment and the RBT examination
- Maintained RBT credential
- Implemented in home Applied Behavioral Analysis (ABA) therapy to a teenager with autism and sensory integration disorder under the direct supervision of BCBA's and BCaBA's
- Implemented social skills programs and academic interventions
- Attended IEP meetings and advocacy events

**Autism Academy of South Carolina, Columbia, SC** May 2016-August 2016

*Camp M.A.T.E.S. Counselor*

Supervisor: Allison Randel, Psy.D.

- Assisted camp leaders and other volunteers to reduce unwanted, negative behaviors and promote positive social behaviors in children with significant social skills deficits