

Courtney A. Durdle

1431 Drake Dr. Apt. C, Davis, CA, 95616
cadurdle@ucdavis.edu ▪ (650) 274-8989

Education

University of California, Davis

Bachelor of Science, Human Development
Bachelor of Arts, Psychology
Minor in Education

June 2014

Publications

Zhan, L., Jenkins, L., Zhang, A., Conte, G., Forbes, A., Harvey, D., Angkustsiri, K., Hunsaker, N., **Durdle, C.A.**, Lee, A., Schumann, C., Carmichael, O., Kalish, K., Leow, A., & Simon, T.J. **Baseline connectome modular abnormalities in the childhood phase of a longitudinal study on individuals with chromosome 22q11.2 deletion syndrome.** *Human Brain Mapping*. Published January 2018.

Sun, D., Ching, C.R.K., Lin, A., Forsyth, J., Kushan, L., Vajdi, A., Jalbrzikowski, M., Hansen, L., Villalon-Reina, J.E., Qu, X., Jonas, R.K., van Amelsvoort, T., Bakker, G., Kates, W.R., Antshel, K.M., Fremont, W., Campbell, L.E., McCabe, K.L., Daly, E., Gudbrandsen, M., Murphy, C.M., Murphy, D., Craig, M., Vorstman, J., Fiksinski, A., Koops, S., Ruparel, K., Roalf, D.R., Gur, R.E., Schmitt, J.E., Simon, T.J., Goodrich-Hunsaker, N.J., **Durdle, C.A.**, Bassett, A.S., Chow, E.W.C., Butcher, N., Vila-Rodriguez, F., Doherty, J., Cunningham, A., van den Bree, M., Linden, D.E.J., Owen, M.J., McDonald-McGinn, D., Emanuel, B., van Erp, T.G.M., Turner, J.A., Thompson, P.M., Bearden, C.E. (in review). **Large-Scale Mapping of Cortical Alterations in 22q11.2 Deletion Syndrome: Convergence with Idiopathic Psychosis and Effects of Deletion Size.** *Molecular Psychiatry*. Published TBD.

McCabe, K.L., Popa, A., **Durdle, C.A.**, Cabaral, M., Wong, L., Harvey, D., Simon, T.J. (in review). **Quantifying the Resolution of Spatial and Temporal Representation in Children with 22q11.2 Deletion Syndrome.** *Journal of Neurodevelopmental Disorders*. Published TBD.

McCabe, K.L., Popa, A., **Durdle, C.A.**, Cabaral, M., Wong, L., Harvey, D., Tartaglia, N., Simon, T.J. (in prep). **Spatial and temporal awareness in Children with Sex Chromosome Aneuploidy: Gender difference comparison.**

Popa, A. & **Durdle, C.A.**, **Highly Psychosis-Prone Adolescents Show Increased Capture by Distractor Stimuli and More Effort to Inhibit Emotional Stimuli Than Typically Developing Controls.** *Schizophrenia Bulletin*. Volume 43. Published March 2017.

Poster Presentations

Durdle, C.A., Goldfarb, D., Qin, J., Gonzalez, A., Eisen, M., & Goodman, G.S. (2018, August). From Child Eyewitness to Adult Memory: Identification Responses After 20 Years. Presented at the Bay Area Memory Meeting in Davis, CA.

Durdle, C.A., Morgan, H., Popa, A., Bassal, A.M, Ferrer, E., Luck, S.J., Bolden, K.A., Niendam, T.A., Carter, C.S., & Simon, T. J. (2018, August). Youth with 22q11.2 Deletion Syndrome are Impaired by Emotional Stimuli in Executive Functioning Tasks. Presented at the 21st Annual Society for the Study of Behavioural Phenotypes in Melbourne, Australia.

Durdle, C.A., McCabe, K.L., Popa, A., Cabaral, M., Wong, L., Harvey, D., & Simon, T. J. (2017, March). Bigger is Better! Spatiotemporal Hypergranularity Theory Explored: Quantifying Spatial and Temporal Awareness in Children with Chromosome 22q11.2 Deletion Syndrome. Presented at the 50th Annual Gatlinburg Conference in San Antonio, TX.

Mayo, D., Niendam, T., **Durdle, C.A.**, Morgan, H., Carter, C., & Simon, T.J. (2017, March). Are you my friend? Bullying and its association to clinical symptoms among youth with 22q11.2 Chromosome Deletion Syndrome. Presented at the 16th International Congress on Schizophrenia Research Conference in San Diego, CA.

Durdle, C.A., Popa, A., Harvey, D., & Simon, T. J. (2016, July). Comparing Space and Time: An Exploration of the Spatiotemporal Hypergranularity Theory in Children with Chromosome 22q11.2 Deletion Syndrome. Presented at the 10th Biennial International 22q11.2 Conference in Sirmione, Italy & UC Davis Center for Neuroscience Public Seminar in Davis, CA.

Research Experience

UC Davis MIND Institute

22q11.2 Deletion Syndrome (22q) Research Center and Clinic, Sacramento, CA
Director: Tony J. Simon, PhD

August 2014 to Present

Staff Research Associate

21 hours per week – August 2017 – Present

- Analyzing longitudinal resting state fMRI connectivity data and psychosis risk of adolescents with and without 22q.
- Collaboration to develop scripts in MatLab and Bash with Dr. Vinod Menon at Stanford University.
- Operate MRI 3T Siemens scanner and ERP Brain Products equipment with adolescent participants.

Junior Specialist (Funded Research Assistant) and Lab Manager*40 hours per week – August 2014 – July 2017*

- Responsible for daily lab operations.
 - Coordinate use of lab resources for outside researchers, such as Eye Tracking equipment and testing rooms.
 - Oversee Institutional Review Board (IRB) documents for six total studies.
 - Direct, train, and supervise Undergraduate Volunteer Interns and incoming staff.
 - Organize public events (i.e., 22q At the Zoo, MIND Institute Participant Appreciation Day, etc.).
 - Recruit and enroll participants for four studies, including those with 22q11.2DS, Trisomy X, and Klinefelter Syndrome.
 - Administer research clinical assessments, computer, and paper based tasks for six total studies.
- **Cognitive Affective Risk and Protection for Psychosis Study (PI: Tony J. Simon, PhD):** Investigate psychosis proneness in adolescents ages 12- to 18-years-old with chromosome 22q11.2 deletion syndrome (22q11.2DS) through clinical assessments, cognitive testing, ERP, MRI, and physiological measures.
 - Operate MRI 3T Siemens scanner and ERP Brain Products equipment with adolescent participants, many of whom have anxiety diagnoses.
 - Compose Institutional Review Board (IRB) documents for initial and subsequent reviews.
 - Design and administer research tasks using E-prime, including a visually cued card sort that measures interactions of emotion and task switching.
 - Create data analysis processing scripts in R software such as ANOVA and Correlation Coefficients.
 - **Parenting and Adaptive Functioning in Children Study (PI: Kathleen Angkustsiri, MD):** Explore how parent-child relationships influence emotion development and independent living skills in children ages 4- to 11-years-old both with and without 22q11.2 Deletion Syndrome.
 - Recruit and administer testing to participants of 60 child-parent dyads with and without 22q11.2DS.
 - Collect anxiety symptom, physiological, and behavioral data from child parent interactions.
 - Organize clinicians' schedules to meet with families to provide additional testing and feedback.
 - Analyze interrater reliability of Undergraduate Coding team using SPSS.
 - **22q11.2DS Brain and Behavior Consortium:** Compile DNA and medical data from previous participants to contribute to a fourteen-university repository to investigate the prevalence of schizophrenia in children and adults with 22q11.2DS.
 - Recruit previous participants to share their DNA samples with the consortium and coordinate staff for shipment.
 - Manage RedCap database to enter behavioral, medical, and cognitive data points for 68 participants.
 - Create comprehensive clinical case summaries based off of previous clinicians' reports.

UC Davis Department of Psychology*July 2015 to Present*

Developmental Research Center, Davis, CA
Principal Investigator: Dr. Gail Goodman, PhD
Research Assistant

4 hours per week

- **Child Maltreatment and Long Term Memory Study:** Focus on individuals who experienced trauma or suspected abuse during the 1990's and their memories of these events.
 - Interview approximately 25 participants over the phone for either one of two sessions, the second session using Cognitive Interview or Federal Law Enforcement Training methods regarding childhood maltreatment.
 - Search for previous participant contact information by using Spokeo, LexisNexis, and social media sources.
 - Analyze and organize data in SPSS and Microsoft Excel.

UC Davis MIND Institute*April 2014 to August 2014*

Social Attention Virtual Reality Laboratory, Davis, CA
Principal Investigator: Dr. Peter Mundy, PhD
Research Assistant

9 hours per week

- **Virtual Reality Applications for Attention and Learning in Children with Autism and ADHD:** Worked on the second time point in a longitudinal study focusing on social-cognitive and academic difficulties in children with Autism, ADHD, and dual diagnoses, as well as typically developing controls.
 - Administered child and parent assessments, including Theory of Mind computer activities.
 - Performed general lab organization tasks such as participant packets and data entry in Microsoft excel.
 - Reached out to families to maintain contact.

UC Davis Center for Mind and Brain*June 2013 to August 2014*

Memory and Development Lab, Davis, CA
Principal Investigator: Dr. Simona Ghetti, PhD
Research Assistant

9 hours per week

- **Development of Propection about Future Events study:** Investigated the relationship between episodic thinking and future propection in children ages 5-, 7-, 9-, and 11-years-old, as well as college age adults.
 - Administered experimental tasks and interviewed participants for episodic memories.
 - Transcribed episodic memory interviews.
 - Coded transcriptions based on experimenter prompting verbiage and other rules.
 - Tagged white and gray matter abnormalities using FreeSurfer brain tracing software.

Clinical Experience

WEAVE Inc., Sacramento, CA

July 2015 to March 2017

Support Line Volunteer & Sexual Assault Response Team (SART) Advocate

4 to 8 hours per week

- Completed 70 hours of California Peer Counselor training to prepare for working with survivors of domestic violence and sexual assault.
- Provide emotional and informational support over the phone to residents of Sacramento County.
- Connect survivors (of sexual assault, domestic violence, and other trauma) to advocate response teams.
- Accompany survivors of sexual assault to evidentiary exams and inform them of available resources provided by the State and WEAVE.

Teaching Experience

Robert E. Willett Elementary, Davis, CA

September 2012 to February 2014

Teaching Assistant, 1st Grade Classroom

6 hours per week

- Lead class of 35 children ages ranging from 5 to 7 years old in lessons I designed.
- Managed individual testing to evaluate students' needs for improvement.
- Tutored small groups and individual students.

Workshops, Trainings, and Lectures

Mortimor D. Sackler Summer Institute on Psychology and the Law (2016, July) held at the Weil Cornell Medical College in New York, New York by BJ Casey, PhD.

ERP Bootcamp (2015, July) at the UC Davis Center for Mind and Brain by Steven J. Luck, PhD and Emily Kappenman, PhD.

Administration Workshop for the Structured Clinical Interview for DSM-IV & Structured Interview for Prodromal Symptoms (2015, July) held at the UC Davis Imaging Research Center by Dr. Tara Niendam, and Dr. Tyler Lesh.

Cognitive Interview Training (2015, August) at UC Davis by Gail Goodman, PhD, Deborah Goldfarb, J.D., & Ronald Fisher, PhD.

Assessments trained by Clinical Staff:

- Wechsler Abbreviated Scale of Intelligence I & II (WASI-I; WASI-II) – Total approximately 100 hours.
- Structured Clinical Interview for DSM-V – Total approximately 50 hours.
- Anxiety Disorders Interview Schedule – Parent (ADIS) – Total approximately 70 hours.
- Diagnostic Interview Schedule for Children (DISC-IV) – Total approximately 20 hours.

Additional Skills

Software and Programs: E-Prime, R, SPSS, Python (Code School), REDCap, PyCorder, Brain Products ERP System, Microsoft Access, DataGraph, Matlab (UC Davis Graduate Course; Grade: A-).

Physiology Recording Software: Nexus and Biopac.

Scoring Software: ABAS, BASC.

Awards and Honors

Highlighted Volunteer of the Month at WEAVE Inc., Sacramento, CA

August 2016

UC Davis MIND Institute Make the Difference Award for Mentorship

May 2015

UC Davis Undergraduate Dean's List

Fall 2012