

# Madison R. Kelm

The Pennsylvania State University

Email: mrk5763@psu.edu

Address: 247A Moore Building, University Park, PA 16802

## Education

- 2020-present** Doctoral student in Developmental Psychology, The Pennsylvania State University  
PhD expected in May 2025
- 2015-2019** Bachelor of Arts in Psychology and Spanish with departmental honors, summa cum laude, University of Oregon  
GPA: 4.12  
Graduation: June, 2019  
Senior Thesis: The Relationship Between Critical Parenting Practices and Child Physiological Self-Regulation, May 2019, faculty advisors: Dr. Elizabeth Skowron, PhD and Dr. Dare Baldwin, PhD

## Awards & Honors

- 2020-2021** **Graduate Scholar Award (\$4,000)**, The Pennsylvania State University  
Awarded for exceptional grades received from an undergraduate institution.
- 2015-2019** **Presidential Scholarship (\$9,000)**, University of Oregon  
One of fifty undergraduates selected from each class. Awarded based on high school GPA (3.85-4.0), SAT/ACT scores, continued academic performance, and demonstrated leadership and volunteer service activities.
- 2015-2019** **Summit Scholarship (\$6,000)**, University of Oregon  
Awarded based on high school GPA (3.8-4.0), SAT/ACT scores, and continued academic performance.
- 2017-2019** **Oregon Scholarship (\$1,300)**, PEO International, Pendleton Chapter  
Awarded to one female graduate of Pendleton High School who demonstrated great leadership skills, academic excellence, community involvement, and a desire to create a better future.
- 2018** **J.W. Vogan Essay Prize Honorable Mention (\$500)**, Department of Romance Languages, University of Oregon. One of three award winners based on quality and content of an essay written in Spanish about relevant issues in Latin America.
- 2016** **First Place Prize for Spanglish Poem: La Caída de Mariposas de Otoño**, Third Annual Spanish Heritage Convention, University of Oregon

First place winner of a university-wide competition for poetry written in Spanglish.

## Scholarship

### Peer-Reviewed Publications

Eiden, R. D., Livingston, J. A., **Kelm, M. R.**, & Sassaman, J. N. (2021). Risk and Protective Pathways to Peer Victimization from Infancy to Adolescence: Role of Fathers. *Adversity and Resilience Science*, 1-15. <https://doi.org/10.1007/s42844-020-00028-0>

### Manuscripts Under Review

Level, R., Shisler, S., Seay, D. M., Ivanova, M. Y., **Kelm, M. R.**, & Eiden, R. (2021). Within and Between Person Transactions of Maternal Depression and Child Responsiveness in the First Two Years of Life: Role of Prenatal Risk and Maternal Substance Use. *Depression and Anxiety*.

### Manuscripts in Preparation

Diercks, C. M., Lunkenheimer, E. S., & **Kelm, M. R.** (2021). Maternal Working Memory Buffers the Relation Between COVID-19 Hardships and Child Mental Health Problems. *Journal of Clinical Child and Adolescent Psychology*.

Eiden, R. D., Zhao, J., Ettekal, I., Schuetze, P., Nickerson, A. B., Ostrov, J. M., Godleski, S. A., Granger, D. A. & **Kelm, M. R.** (2021). Prenatal Cocaine Exposure and Other Substance Exposure: Pathways to Individual Differences in Stress Reactivity in Adolescence. *Developmental Psychobiology*.

### Conference Posters and Talks

Diercks C. M., **Kelm M. R.**, & Lunkenheimer, E. S. (April, 2021). *Maternal Executive Functions Buffer the Effects of COVID-19 Pandemic Hardships on Child Internalizing Problems*. Symposium talk accepted for presentation to the Society for Research in Child Development. Online conference.

**Kelm, M. R.**, Ivanova, M. Y., Schuetze, P., & Eiden, R. (April, 2021). *Maternal Psychological Distress and Parenting Behavior in a Low-Income Sample: Moderation by Maternal Substance Use*. Poster accepted for presentation to the Society for Research in Child Development. Online conference.

Schuetze, P., Godleski, S. A., **Kelm, M. R.**, & Eiden, R. (April, 2021). *Associations between Prenatal Substance Exposure and Autonomic Functioning during Early School Age and Early Adolescence: An Examination of Sex and Postnatal Environmental Risk as*

*Potential Moderators*. Symposium talk accepted for presentation to the Society for Research in Child Development. Online conference.

**Kelm, M. R.**, Scholtes, C., Skowron, E. A., & Baldwin, D. A. (June, 2019). *The Relationship Between Critical Parenting Practices and Child Physiological Self-Regulation*. Senior thesis presentation to the students and faculty of the Psychology department at the University of Oregon, Eugene, Oregon.

## Research Appointments

**2020-present Graduate Research Assistant**, Developmental Pathways of Violence and Substance Use in a High-Risk Sample, Development, Risk and Resilience Lab, The Pennsylvania State University, State College, PA

- Lead several observational coding teams for parent-child aggression, development of child conscience, and maternal unpredictability.
- Create and implement coding schemes in Datavyu.
- Conduct analyses and contribute to the publication of results.

Principal Investigators: Dr. Rina Eiden, PhD, and Dr. Amanda Nickerson, PhD.  
Grant: R01DA041231.

**2017-2019 Research Assistant**, Coaching Alternative Parenting Strategies Study, Family Biobehavioral Health Lab, University of Oregon, Eugene, OR

- Lead controlled, multimethod assessments on parents and children ages 3-7 involved in the Department of Human Services (DHS) in order to examine the effects of Parent-Child Interaction Therapy (PCIT) on self-regulation and behavior.
- Assess neural activation, physiology, and executive functioning through EEG/ERP, ECG, behavioral indicators, and self-report measures.
- Deliver evidence-based attachment and attunement based skills to children while providing sibling support to facilitate engagement and retention for family completion of weekly Parent Child Interaction Therapy (PCIT) sessions.
- Code behavior using the Dyadic Parent-Child Interaction Coding System.

Principal Investigators: Dr. Elizabeth Skowron, PhD, and Dr. Phil Fisher, PhD.  
Grant: 1R01DA036533-01A1.

## Teaching & Mentoring

**2020-Present Undergraduate Research Assistant Mentor**, Development, Risk, and Resilience Lab, The Pennsylvania State University, University Park, PA\

- Co-lead bimonthly scholarship meetings with undergraduate research assistants (RAs) from PSU and the University at Buffalo.
- Meet with RAs once per term to assess productivity, interests, and research fit.

- Guide interested RAs through the process of creating an undergraduate thesis.

**2019**     **Lead Infant Teacher**, St. Vincent de Paul, First Place Family Center, Eugene, OR

- Help lead a care team at a Waldorf-inspired drop-in preschool providing trauma-informed care to children experiencing transition in housing or homelessness.
- Conduct parent intake meetings, register children to receive services, and act as a liaison between parents and service providers.
- Work with Early Childhood Cares specialists to develop and implement appropriate interventions for children requiring behavioral, emotional, or physical support.

**2018-2019**     **Childcare Intern**, St. Vincent de Paul, First Place Family Center, Eugene, OR

- Help prepare nutritious food for children and infants.
- Assist children in developing self-regulatory strategies by working with Early Childhood Cares specialists.
- Take language samples from children who have been professionally identified as having a speech/language deficit.

**2018-2019**     **Member**, Student Advisory Board, University Counseling Center, University of Oregon, Eugene, OR

- Peer-to-peer educator and advocate for student mental health services.
- Participate in University Counseling Center hiring committees and interview potential therapists and staff members.
- Provide student input and perspective on proposed budget and structural changes to the organization of the University Counseling Center.

**2018-2019**     **Get Explicit Facilitator**, University of Oregon, Eugene, OR

- Peer-to-peer educator and advocate for sexual assault/violence prevention.
- Expand student awareness of the definition of sexual assault, predatory behaviors, and bystander intervention by co-facilitating a scripted presentation required for all incoming students.
- Discuss university and community resources for survivors of sexual assault and direct students to university counseling services if necessary and desired.

**2017-2019**     **Peer Lab Leader**, Department of Psychology, University of Oregon, Eugene, OR

- Create interactive, engaging labs for an introductory psychology class.
- Participate in weekly leadership and teaching trainings.
- Co-facilitate labs and lead peers through basic psychological research and statistical procedures.

## Activities

## Service

- 2017**      **Volunteer Classroom Aid**, Buena Vista Elementary School, Eugene, Oregon  
Assisted primary instructor in teaching math and reading lessons in a bilingual, first grade classroom. Worked primarily with students with attentional and behavioral challenges.
- 2017**      **Volunteer Facilitator**, El Club de Arte para Mamás Volunteer, Jordan Schnitzer Museum of Art, Eugene, Oregon  
Helped facilitate art sessions for Spanish-speaking mothers and their children.
- 2016**      **Volunteer Classroom Aid**, McKay Creek Elementary School, Pendleton, Oregon  
Worked principally with a student experiencing emotional and behavioral challenges. Helped multiple instructors deliver lessons in math, reading, and writing.

## Professional Affiliations

- 2020-present** Society for Research on Child Development  
**2019-present** Phi Beta Kappa, Oregon Alpha Chapter

## Language Facility

Spanish—professional fluency (speaking, reading, writing)

## Technical Skills

- EEG (Electrical Geodesics, Inc., Eugene, OR)**, net application, data acquisition using Net Station (version 5.2).
- ECG (Biolab, version 3.1.4, Mindware Technologies, LTD. Gahanna, OH; AcqKnowledge version 4.3, Biopac Systems, Inc., Goleta, CA)**, lead placement II, physiological data acquisition, HRV data processing.
- Blood collection (Whatman 903 Protein Saver Card, GE Healthcare Life Sciences, Pittsburgh, PA)**, dried blood samples with adults and children.
- SPSS (version 27, International Business Machines Corp., Armonk, NY)**, data analysis.
- Presentation (Neurobehavioral Systems, Inc., Berkley, CA)**, experimental paradigm software.
- E-Prime (Psychology Software Tools, Inc., Sharpsburg, PA)**, experimental paradigm software.
- MATLAB (The MathWorks, Inc., Natick, Massachusetts)**, multi-paradigm software.