**Madison R. Kelm**

**The Pennsylvania State University**

**Pronouns**: she/her

**Email**: mrk5763@psu.edu

**Address**: 222 Moore Building, University Park, PA 16802

**Education**

**2022-2025** **Ph.D. in Developmental Psychology**, The Pennsylvania State University

Expected Graduation, May 2025

Advisor: Dr. Rina Eiden, PhD

**2020-2022** **M.S. in Developmental Psychology**, The Pennsylvania State University

GPA: 4.0

Graduation: December 2022

Thesis: *Maternal History of Maltreatment, Substance Use in Pregnancy, and Maternal Mood Unpredictability as Predictors of Parenting Behavior*

Advisors: Dr. Rina Eiden, PhD and Dr. Erika Lunkenheimer, PhD

**2015-2019** **B.A. 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*  Advisors: Dr. Elizabeth Skowron, PhD and Dr. Dare Baldwin, PhD

**Awards & Honors**

**2023** **SRCD Graduate Student Travel Award ($300),**

Society for Research in Child Development conference.

**2023** **Robert and Ruth Faris Liberal Arts Child Psychology Fund Award ($1000),**

Society for Research in Child Development conference.

**2022** **Robert & Ruth Faris Graduate Centennial Fund Travel Award ($1,600),**

International Congress of Infant Studies conference.

**2021** **Psychology Department Nominee,** Lynn M. Sebulsky award for excellence in the first year of graduate education.

**2021** **Robert & Ruth Faris Graduate Centennial Fund Travel Award ($800),**

International Society for Developmental Psychobiology conference.

**2020-2022** **Graduate Scholar Award ($4,000),** The Pennsylvania State University

Awarded for exceptional grades received from an undergraduate institution.

**2020** **External Incentive Award ($1,000),** College of Liberal Arts, The Pennsylvania State University

**2015-2019** **Presidential Scholarship ($36,000),** 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 ($24,000),** University of Oregon

Awarded based on high school GPA (3.8-4.0), SAT/ACT scores, and continued academic performance.

**2017-2019** **Oregon Scholarship ($2,600),** 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**

**(\*denotes student author)**

**Peer-Reviewed Publications**

**Kelm, M. R.**, Diercks, C. M., Dunning, E. D., & Lunkenheimer, E. S. (2023). Parental working memory buffers associations between COVID-19 hardships and child mental health. *Journal of Applied Developmental Psychology,* 101559. <https://doi.org/10.1016/j.appdev.2023.101559>

Lunkenheimer, E. S., Sturge-Apple, M. L., & **Kelm, M. R.** (2023). The importance of parent self-regulation and parent-child coregulation in research on parental discipline. *Child Development Perspectives,* 17, 25– 31. <https://doi.org/10.1111/cdep.12470>

Eiden, R. D., Ettekal, I., Zhao, J., **Kelm, M. R.**, Nickerson, A. B., Ostrov, J. M., ... & Godleski, S. (2023). Prenatal substance exposure, early‐life adversity, and parenting: Associations with adolescent stress response. *Developmental Psychobiology, 65*(2), e22365. <https://doi.org/10.1002/dev.22365>

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>

Level, R., Shisler, S., Seay, D. M., Ivanova, M. Y., **Kelm, M. R.**, Eiden, R. D., & Schuetze, P. (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.* <https://doi.org/10.1002/da.23211>

**Manuscripts in Press**

Lunkenheimer, E. S., Dunning, E. D., Diercks, C. M., & **Kelm, M. R.** [In press]. The parent screen-based device use survey (PSUS): Assessing parental practices and regulation of parent and child use. *International Journal of Behavioral Assessment*.

**Manuscripts in Preparation**

**Kelm, M. R.**, Schreier, H. M. C., Chow, S. M., Marcus, R. C., Molnar, D. S., & Eiden, R. D. [In prep]. Maternal childhood maltreatment, trajectories of pre-to-postnatal stress and substance exposure: Associations with child immune outcomes at school age. *Developmental Psychology*.

**Kelm, M. R.**,Eiden, R. D., Davis, E. P., Glynn, L. M., Godleski, S. A., Schuetze, P, & E. B. Ansell. [In prep]. Unpredictability in Children’s Environments and Middle Childhood Outcomes in a Low Income, Substance-Exposed Sample. *Developmental Psychology.*

**Kelm, M. R.**, Eiden, R. D., Godleski, S. A., & Schuetze, P. [In prep]. Unpredictable maternal mood links maternal childhood maltreatment with parenting in substance-using sample. *Parenting: Science and Practice.*

Schuetze, P., **Kelm, M. R.**, Bell, O., & Eiden, R. D. [In prep]. Maternal cravings in response to infant distress signals. *Addictions*.

**Book Chapters**

**Kelm, M. R**., Level, R. A., & Eiden, R. D. [In press]. Substance using parents: Implications for infant mental health. WAIMH Handbook of Infant and Early Childhood Mental Health. Invited chapter.

**Conference Presentations and Talks**

**Kelm, M. R.**, Teti, D. M., & Eiden, R. D. (November 2023). M*others’ and fathers’ coparenting across the first year of life: Role of prenatal trauma symptoms, mood variability, and household chaos.* [Poster presentation]. National Conference on Family Relations. Orlando, FL.

**Kelm, M. R.**, Eiden, R. D., Schuetze, P., & Ansell, E. (May 2023). *Unpredictability in children’s environments and middle childhood outcomes in a low SES substance-exposed sample.* [Poster presentation]. Penn State Center for Substance Use and Addiction Annual Conference. University Park, PA.

Marcus, R. C., Ivanova, M. Y., **Kelm, M. R.,** Schuetze, P., & Eiden, R. D. (June 2023). *Impact of middle childhood maternal psychological symptoms on early adolescence mental health: Moderation by COVID-19 changes*. [Poster presentation]. Society for Prevention Research. Washington, D.C.

**Kelm, M. R.**, Tucker, N. A., Schuetze, P., & Eiden, R. (March 2023). *Mood unpredictability links maternal maltreatment history and prenatal substance exposure to parenting at toddler age* [Poster presentation]. Society for Research in Child Development. Salt Lake City, UT.

**Kelm, M. R.**, Eiden, R. D., Schuetze, P., & Ansell, E. (March 2023). *Unpredictability in children’s environments and middle childhood outcomes in a low SES substance-exposed sample.* [Poster presentation]. Society for Research in Child Development. Salt Lake City, UT.

\*Abdallah, E. N., **Kelm, M. R.**, Eiden, R. D., & Grewen, K. M. (March 2023). *Maternal prenatal substance use and infant development: Moderation by prenatal treatment and postnatal social support*. [Poster presentation]. Society for Research in Child Development. Salt Lake City, UT.

Schuetze, P., **Kelm, M. R.**, \*Bell, O., & Eiden, R. D. (March 2023). *Impacts of maternal substance use and perception of infant cries on maternal harsh parenting*. [Poster presentation]. Society for Research in Child Development. Salt Lake City, UT.

**Kelm, M. R.**, Marcus, R. C., Eiden, R. E., & Grewen, K. M. (July 2022). *Maternal deprivation status predicts infant salivary alpha amylase in the context of prenatal substance use.* [Poster presentation]. International Congress of Infant Studies, Ottowa, Canada.

Eiden, R. E., Ettekal, I., Zhao, J., **Kelm, M. R.**, Nickerson, A. B., Ostrov, J. M., Schuetze, P., & Godleski, S. A. (June 2022). *Prenatal substance exposure, early life adversity, and parenting: associations with adolescent stress response.* [Paper symposium]. Society for Prevention Research. Seattle, WA.

Dunning, E. D., Klawska, K., Brown K. M., **Kelm, M. R.**, & Lunkenheimer E. S. (June 2022). *Maladaptive parenting in fathers: Poor self-regulation as a risk factor for child externalizing behavior problems.* [Poster presentation]. Society for Prevention Research, Seattle, WA.

**Kelm, M. R.**, Brown, K. M. & Lunkenheimer, E. S. (November 2021). *The longitudinal effects of parent physiology and psychopathology on child behavior problems: A dual-parent perspective* [Poster presentation]. International Society for Developmental Psychobiology, Chicago, IL.

\*Barthelemy, T., **Kelm, M. R.**, & Eiden, R. D. (August 2021). *Fathers’ alcohol problems and parenting behaviors with adolescents* [Presentation]. McNair Scholars Penn State Conference, State College, PA.

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* [Paper symposium]. Society for Research in Child Development. Online conference.

Schuetze, P., Godleski, S. A., **Kelm, M. R.**, & Eiden, R. E. (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* [Paper symposium]. 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 presentation]. 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* [Honors thesis]. Intradepartmental Psychology Honors Conference, Eugene, OR.

**Research Appointments**

**2020-present** **Graduate Research Assistant**, Strong Foundations: Intervening to Promote Co- parenting and Reduce Father Hazardous Drinking in Expectant Parents, Development, Risk, and Resilience Lab, The Pennsylvania State University, State College, PA

* + - Participate in and lead recruitment efforts across the states of Pennsylvania, New York, and Maryland.
		- Conduct baseline and outcome family assessments for enrolled participants.
		- Manage and organize incoming data.

Principal Investigators: Dr. Rina Eiden, PhD, and Dr. Stephanie Godleski, PhD.

Grant: R01AA027708, NIH.

**2022**  **Graduate Research Assistant**, Healthy Brain and Child Development National Consortium Study (HBCD-NC), The Pennsylvania State University, State College, PA

* + - Support and contribute to the design of the Penn State study.
		- Help to recruit and train staff and research assistants.
		- Contribute to the structure of recruitment efforts.

Principal Investigators: Dr. Koraly Pérez-Edgar, PhD, and Dr. Aleksandra Zgierska, MD, PhD

Grant: U01 DA055361-01, NIDA.

**2020-2022** **Graduate Research Assistant**, Effects of Prenatal Cocaine on Early Brain Functional Connectivity and Behavior, The University of North Carolina, Chapel Hill, NC

* + - Co-lead observational coding teams for Still-Face coding.
		- Create and implement coding schemes in Datavyu, maintain reliability, and supervise undergraduate coders.
		- Data management and creation of composite variables.

Principal Investigator: Dr. Karen Grewen, PhD.

Grant: R01 DA042988, NIDA.

**2020-2022** **Graduate Research Assistant**, Parenting Regulation, Engagement, Stress, and Health (PRESH) Project, Parent-Child Dynamics Laboratory, The Pennsylvania State University, State College, PA

* + - Production of protocols, manuals, and measures of parent-child stress and interaction.
		- Train graduate students, staff, and undergraduate research assistants to run visits with families.
		- Remote questionnaire data management and creation of processing syntax.

Principal Investigator: Dr. Erika Lunkenheimer, PhD.

Grant: R01HD097189, NIH.

**2020-2021** **Graduate Research Assistant**, Prenatal Tobacco and Cannabis Exposure: A Translational Study, Development, Risk and Resilience Lab, The Pennsylvania State University, State College, PA

* + - Lead observational coding teams for parent-child aggression, development of child conscience, and maternal unpredictability.
		- Creation and implementation of coding schemes in Datavyu, maintenance of reliability, and supervision of undergraduate coders.
		- Data management and creation of composite variables.

Principal Investigators: Dr. Rina Eiden, PhD, and Dr. Payanotis Thanos, PhD.

Grant: R01DA019632; R21/R33 DA045640, NIDA.

**2020-2021** **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 observational coding team for parent-child aggression.
		- Creation and implementation of coding schemes in Datavyu, maintenance of reliability, and supervision of undergraduate coders.
		- Data management and creation of composite variables.

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 Certificates**

**2022** **Graduate Student Online Teaching Certificate,** Online Faculty Development, The Pennsylvania State University World Campus, University Park, PA

**Teaching Appointments**

**2023** **Lead Instructor,** Research Methods in Psychology (PSY301W), Department of Psychology, The Pennsylvania State University, World Campus

* Independently instruct 20 undergraduate, remote-learning students.
* Grade and provide written feedback on students’ performance including lab exercises, research proposals, and exams.

**2022** **Lab Instructor,** Research Methods in Psychology (PSY301), Department of Psychology, The Pennsylvania State University, University Park, PA

* Independently teach weekly lab session with 28 undergraduate students.
* Grade and provide written feedback on students’ research proposals.
* Help design and evaluate exams and written assignments.

**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.

**Mentoring**

**2021-Present**  **Next-Gen Psych Scholars Program (NPSP) Mentor,** The Pennsylvania State University, University Park, PA

* Meet with one or two undergraduate or post-bacc students interested in pursuing a doctorate degree in psychology at least once per month.
* Provide support, suggestions, and advice regarding application materials, program selection, etc.

**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, the University at Buffalo, and the University of North Carolina at Greensboro.
	+ Meet with RAs once per term to assess productivity, interests, and research fit.
	+ Guide interested RAs through the process of creating an undergraduate thesis.

**2021**  **McNair Program Co-mentor,** Development, Risk, and Resilience Lab, The Pennsylvania State University, University Park, PA

* + Worked with Dr. Eiden to guide an undergraduate RA and McNair scholar through the process of conceptualizing a research question, creating a literature review, running analyses, presenting research, and completing a research paper.

**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.

**Activities**

**Service**

**2021-present** **DEI Curricular Working Group Committee Member,** Department of Psychology, The Pennsylvania State University

**2021-2023** **Proseminar Planning Committee Member**, Department of Psychology (Developmental Area)*,* The Pennsylvania State University

**2021-2023** **Volunteer Poster Judge**, Psi Chi Research Conference, The Pennsylvania State University

**2022** **Interviewing Faculty Liaison**, Department of Psychology (Developmental Area), The Pennsylvania State University

**2022**  **Recruitment Chair**, Department of Psychology (Developmental Area)*,* The Pennsylvania State University

**2021** **Panel Member, The Grad School Application Process,** Psychology Student Events Committee**,** Department of Psychology, The Pennsylvania State University

**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.

**Review Experience**

**2023** **Assistant Ad-Hoc Reviewer**, *Adversity and Resilience Science,* The Pennsylvania State University

**2021** **Assistant Ad-Hoc Reviewer**, *Infancy,* The Pennsylvania State University

**Professional Affiliations**

**2021-present International Congress of Infant Studies**

**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**

**SPSS (version 29, International Business Machines Corp., Armonk, NY),** data analysis, data cleaning.

**R (version 1.4.1717, RStudio Public Benefit Corp., Boston, MA),** data analysis, data cleaning.

**MPlus (version 8, Muthén & Muthén, Los Angeles, CA),** data analysis.

**SAS (version 9.4, SAS Institute Inc. 2013, SAS/ACCESS®, Cary, NC)**, data analysis, data cleaning.

**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),**driedblood samples with adults and children.

**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.

**Datavyu (v 1.3.7)**

**ObserverXT (Noldus Information Technology, Wageningen, Netherlands),** behavioral data

coding, data processing, data merging, and data cleaning.