

Mary Kate Koch, Ph.D.

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EDUCATION

Ph.D.	Cornell University Developmental Psychology Dissertation: <i>In whose words? Experiences at puberty situated in individual, social, and cultural contexts</i> Committee: Jane Mendle (Chair), Anthony Burrow, Qi Wang	May 2022
M.A.	Cornell University Developmental Psychology Thesis: <i>Predictors of perceived life disruption during the adolescent transition</i> Committee: Jane Mendle (Chair), Anthony Burrow, Qi Wang	December 2018
B.A.	Gonzaga University Psychology with Honors, <i>summa cum laude</i> History with Honors	2011-2015

ACADEMIC POSITIONS

Postdoctoral Research Fellow	University of Florida (Advisors: Susan Bluck, Carma Bylund) Department of Psychology Department of Health Outcomes & Biomedical Informatics	2022 – present
Lecturer	Cornell University, Department of Psychology Courses Taught: Adolescence & Emerging Adulthood; Narratives of Women's Lives; First Year Writing Seminar on Unequal Childhoods	2021 – 2022

I. RESEARCH

RESEARCH INTERESTS

My research examines how youth navigate transitional experiences, like puberty, from childhood to adolescence. I use a diverse toolkit, including content-coding, computational text analysis, and structural equation modeling, to investigate diversity in adaptation to difficult life transitions.

PUBLICATIONS

Garavito, D. M. N., & **Koch, M. K.** (in press). Coming of age in the eyes of the law: The conflict between Miranda, J.D.B., and puberty. *American Criminal Law Review*.

Koch, M. K., & Mendle, J. (2022). In their own words: Finding meaning in girls' experiences of puberty. *Child Development*. <https://doi.org/10.1111/cdev.13836>

Koch, M. K., & Wang, Q. (2022) Autobiographical memory. In Levesque, R. J. (Ed.), *Encyclopedia of Adolescence*. Springer. https://doi.org/10.1007/978-3-319-32132-5_827-1

Koch, M. K., & Mendle, J. (2021). Real world skills in a virtual world: An innovative activity for teaching developmental psychopathology. *Teaching of Psychology*. <https://doi.org/10.1177/00986283211042309>

Koch, M. K., Mendle, J., & Beam, C. R. (2020) Psychological distress amid change: Role disruption in girls during the adolescent transition. *Journal of Abnormal Child Psychology*, 48, 1211-1222. <https://doi.org/10.1007/s10802-020-00667-y>

Mendle, J., Beam, C. R., McKone, K. M. P., & **Koch, M. K.** (2020). Puberty and transdiagnostic risks for mental health. *Journal of Research on Adolescence*, 30, 687-705. <https://doi.org/10.1111/jora.12552>

Mendle, J., & **Koch, M. K.** (2019). The psychology of puberty: What aren't we studying that we should? *Child Development Perspectives*, 13, 166-172. <https://doi.org/10.1111/cdep.12333>

McGuire, T. G., McCormick, K. C., **Koch, M. K.**, & Mendle, J. (2019). Pubertal maturation and longitudinal trajectories of depression during early adolescence. *Frontiers in Psychology*. <https://doi.org/10.3389/fpsyg.2019.01362>

Under review:

Koch, M. K., Burd, K. A. & Mendle, J. Same crime, same time? Effects of visual maturity on juvenile justice decision-making.

Porcelli, S., Mendle, J., & **Koch, M. K.** Mood-based impulsivity and adolescent relationships: Negative urgency predicts interpersonal problems in youth.

Manuscripts in preparation:

Koch, M. K., Innis-Thompson, M. & Mendle, J. Are you there, God? It's me, gender bias in the American coming of age novel. Manuscript in preparation.

Koch, M. K., McCormick, K., & Mendle, J. Representations of menarche across media and youth self-report. Manuscript in preparation.

Aliev, J.*, Burd, K.A., & **Koch, M. K.** The impact of victim physical maturity and judicial instruction on jury decision-making in child sexual abuse cases. Manuscript in preparation.

Bluck, S. B. & **Koch, M. K.** Getting a life: Twenty years in review. Manuscript in preparation.

RESEARCH FUNDING

External, funded

Chen Zuckerberg Institute 2019
Transforming philanthropy: Evaluating how funding sources perpetuate deficit-based conceptualizing of youth
 Role: Consultant on computational text analysis

Scholarship of Teaching and Learning Research Grants Program 2017
 Society for the Teaching of Psychology
Open-Source Tools for Psychological Research
 Role: Co-Principal Investigator

Internal, funded

Harold Feldman Fellowship for Dissertation Research 2020
 Cornell University, Department of Psychology
Experiences At Puberty Situated in Individual, Social, and Cultural Contexts
 Role: Principal Investigator

HEAA Alan D. Mathios Research and Service Grant Award 2019
 Cornell University, College of Human Ecology
Same time, same crime? Maturation bias in the juvenile justice system
 Role: Co-Principal Investigator

SELECTED AWARDS AND HONORS

College of Human Ecology Dean's Fellow for First Year Writing, (\$24,658)	2022
Finalist for Provost Diversity Fellowship, Cornell University	2021
Finalist for Best Poster Award, Society for Research on Adolescence	2020
Center for Teaching Innovation, Senior Graduate Teaching Fellow (\$2,000)	2020-2021
Martha E. Foulk Fellowship for Outstanding Research, Cornell University (\$12,712)	2020
Center for Teaching Innovation Graduate Teaching Fellow (\$2,000)	2019-2020
Cornell Graduate School Travel Award (\$500)	2019
Society for Research on Child Development Graduate Student Travel Award (\$300)	2019
Program for Research on Youth Development and Engagement Fellowship, Funded by the Bronfenbrenner Center for Translational Research. (\$24,658)	2017-2018
APA Advanced Training Institute Scholarship (\$500).	2017

CHAired SYMPOSIA & WORKSHOPS

Text Mining Tools for Narrative Analysis and Other Mixed-Method Research, 2021 November.
 Pre-conference workshop at the 2021 Biennial Meeting of the Society for the Study of Emerging Adulthood, Virtual.
 Role: Organized (with K. Ratner, M. Azmita) and delivered workshop

Computational Text Analysis Methods for Developmental Research, 2021 April. Symposium at the 2021 Biennial Meeting of the Society for Research in Child Development, Virtual.
 Role: Organized panel members and presented on panel

INVITED TALKS

Effects of visual maturity on juvenile justice decision-making. Talk given at Wyoming University Social Cognition and Law Lab meeting, October 2022.

Getting a life: Twenty years later. Talk given at Aarhus University for the Symposium on Life Stories in honor of Tilmann Habermas, September 2022.

Making sense of puberty: Girls' narratives of navigating physical and social change. Talk given at the University of Florida for the Postdoctoral Association lecture series, June 2022.

Extracting meaning from girls' narratives on puberty. Talk given at Belmont University, November 2021.

In their own words: Finding meaning in girls' experiences of puberty. Talk given at Washington University in St. Louis, November 2020.

When did life get harder? Puberty and life disruption. Talk given for 4-H summer session on Women in Science at Cornell University, June 2018.

Easy as ABC? Not with all that's happening to me: Role disruption during the pubertal transition. Talk given at Cornell University Psychology Brown Bag, May 2018.

CONFERENCE PRESENTATIONS

* *Denotes trainee*

Koch, M. K., & Mendle, J. (2022, March). Anger or an Accident? Differences in Explanations of Adolescents' Behavior in Ambiguous Legal Scenarios by Sex x Race x Maturation. Poster presented at the 2022 Biennial Meeting of the Society for Research on Adolescence. New Orleans, LA.

Koch, M. K., & Mendle, J. (2021, April). Text analysis of puberty experiences from retrospective and concurrent perspectives. Paper presented at the 2021 Biennial Meeting of the Society for Research in Child Development, Virtual.

Porcelli, S., **Koch, M. K.**, & Mendle, J. (2021, April). Untangling rumination and negative urgency: An exploration of emotional cascade theory in adolescents. Poster presented at the 2021 Biennial Meeting of the Society for Research in Child Development, Virtual.

Kubi, G.*, **Koch, M. K.**, Ratner, K., & Mendle, J. (2021, March). Perfect fit, or perfectly fixed?: Identity's role in anxiety and perfectionism. Poster presented at the Society for Research on Adolescence. Virtual.

Porcelli, S., **Koch, M. K.**, & Mendle, J. (2019, May). Negative urgency and interpersonal conflict: The mediating role of depressive symptoms. Poster presented at the 31st APS Annual Convention. Washington, DC.

Koch, M. K., Kubi, G.*, & Mendle, J. (2019, March). Text analysis approaches to predicting depression in early adolescent girls. Poster presented at the Society for Research on Child Development. Baltimore, MD.

Rosenthal, E.*, **Koch, M. K.**, & Mendle, J. (2019, March). Is age just a number? Exploring the association among relative age, pubertal timing, and depression. Poster presented at the Society for Research on Child Development. Baltimore, MD.

Koch, M. K., Royer, C., & Mendle, J. (2019, March). Same time, same crime? Pubertal maturation and juvenile sentencing. Paper presented at the American Psychology and Law Society Annual Meeting Portland, OR.

Koch, M. K., McKone, K. M. P., & Mendle, J. (2018, April). The pubertal transition and perceived role disruption. Poster presented at the Society for Research on Adolescence. Minneapolis, MN.

Rosenthal, E.*, **Koch, M. K.**, Ratner, K., & Mendle, J. (2018, January). ADHD and identity: Situational influences and individual variability. Poster presented at the Society for Social Psychology and Personality. Atlanta, GA.

Koch, M. K., & Koch, C. (2015, November). Examining the relationship between multi-tasking and working memory. Poster presented at the Psychonomic Society Meeting. Chicago, IL.

Koch, M. K., & Medina, A. (2015, April). Neuroticism, dysphoria, and autobiographical writing style. Poster presented at the Western Psychology Conference for Undergraduate Research. Moraga, CA.

Jasper, L., Koch, C. & **Koch, M. K.** (2013, August). Impact of substance abuse on everyday memory and attention. Poster presented at the Annual Convention of the American Psychological Association. Honolulu, HI.

Koch, C. & **Koch, M. K.** (2012, November). Shyness, positive and negative affect, life satisfaction and video games. Poster presented at the Society for Computers in Psychology. Minneapolis, MN.

SPECIALIZED SKILLS AND TRAINING

Data analysis: R, Python, Mplus, SAS, SPSS

Computational text analysis: topic modeling, word embeddings, sentiment analysis, tf-idf

Content analysis: communion, meaning-making, purpose, empathic communication

Methods in Text Mining – Cornell University 2019

Methods in Multilevel Structural Equation Modeling – Cornell University 2016

APA Advanced Training Institute on Structural Equation Modeling – 2016

Arizona State University

II. TEACHING AND MENTORING

SUMMARY OF TEACHING PHILOSOPHY

In order to foster a transformative learning environment for my students, I use a student-centered teaching approach. I strive for my students to grow as critical, reflective thinkers and active agents of their own learning. I implement experiential and active-learning activities, including student-involved demonstrations, classroom summits, video examples, community learning opportunities, and case studies to promote student engagement and content mastery. I recognize, respect, and celebrate students' diverse backgrounds and guide my instruction by inclusive, antiracist, and equitable teaching practices. *Please see my Teaching Statement for further details.*

INSTRUCTOR OF RECORD | Cornell University, Department of Psychology

Overall average teaching score: 4.72/5

I independently developed the syllabi, materials, and assignments, as well as independently taught the following courses:

- **Unequal Childhoods: First-Year Writing Seminar** (HE1150, class size: 17) Fall 2021
- **Adolescence and Emerging Adulthood** (HD1170, class size: 45+) Summer 2021
- **Narratives of Women's Lives** (HD2520, class size: 50) Spring 2021

TEACHING ASSISTANTSHIPS | Cornell University, Department of Psychology

- Developmental Psychopathology Fall 2020
 - Graded assignments, wrote exam questions, designed mental health summit
- Research Methods Fall 2018, Fall 2019
 - Mentored student teams through two independent research projects each semester, graded research papers, taught basic R programming
- Adolescence and Emerging Adulthood Spring 2017, Summers 2018-2020
 - Guest lectured on puberty, wrote exam questions, graded assignments
- Policy Analysis & Management Senior Capstone Spring 2019
 - Mentored student teams in analyzing data about recidivism, writing research reports, and presenting final product to community stakeholders
- Aging and Adulthood Fall 2016
 - Guided students through literature reviews, graded research papers

Professional Development Seminars:

Ask a senior graduate student Spring 2022

Panel member presenting to Cornell psychology graduate students

Designing a Learner-Centered Syllabus Spring 2021

Presentation to Cornell graduate teaching assistants on syllabus design for the Center for Teaching Innovation

How Do I Know My Students Are Learning? Spring 2020

Presentation to Cornell graduate teaching assistants on in-class assessments for the Center for Teaching Innovation

Professional Development in Translational Research (HD4850, class size:10) Fall 2019

Presentation to Cornell undergraduates on planning their research careers

Guest Lectures:

Adolescence and Emerging Adulthood (HD1170, class sizes: 75+) 2018-2020
Guest lecture for Cornell undergraduates each spring on the science of puberty
Developmental Psychopathology (class size: 20) Spring 2017
Guest lecture for Cornell students on depression during adolescence
Aging and Adulthood (class size: 50) Fall 2016
Guest lecture for Cornell undergraduates on end-of-life decision-making

COMMUNITY EDUCATION AND ENGAGEMENT:

Women & Science: 4H course for high school students Summer 2019
Taught three-day course on overcoming barriers in to promote women in STEM
Benefits of writing about puberty Spring 2018
Presentation to 4H community partners on working with youth at puberty
PRYDE Wreck-it Book November 2017
Collaborated with Bronfenbrenner Center for Translational Research to create curriculum of evidence-based psychological exercises to promote positive youth development
Expressive writing guidebook October 2017
Developed guidebook for community practitioners to administer expressive writing interventions in New York State 4-H programs for adolescents
Junior Scientist May 2017
Designed hands-on workbook to introduce middle schoolers to psychological science

CERTIFICATIONS AND TRAININGS

Diversity and Inclusion at the University of Florida, Online Training Summer 2022
Course provided overview of Equal Employment Opportunity (EEO) and Diversity at UF, policies and expectations regarding diversity and inclusion
Theater Techniques for Teaching Fall 2019
Completed 6-week course on techniques for more hands-on teaching methods

RESEARCH MENTORING EXPERIENCES

Supervised team of undergraduate research assistants to engage with large dataset (N = 203) of cancer patients' life narratives 2022

- Supervised coding organization, coder training, and reliability analyses

Supervised team of undergraduate research assistants to collect and engage with data (N=185) on youth experiences of puberty 2019-2020

- Supervised data collection, coder training, and reliability analyses
- Assisted in undergraduate submission of poster to national conferences

Mentor for Cornell's Program of Research on Youth Development and Engagement undergraduate scholars program. 2017-2019

- initiative to enhance translational research on youth and development in the local community

Co-advised two senior undergraduates' honors theses, Cornell University 2017-2018

- Mentored students through research design, data collection, and analysis

III. PROFESSIONAL SERVICE

SERVICE TO THE FIELD

Ad-hoc journal reviewer

Journal for Research on Adolescence; Development and Psychopathology; Cultural Diversity and Ethnic Minority Psychology; Scientific Reports; Frontiers in Psychology; American Journal of Sexuality Education

Committee service

Member, Media and Communications Committee for the Society for Research on Adolescence for 2022-2026 term

Conference reviewer

Society for Research on Child Development; Society for Research on Adolescence

Conference committees

Co-organizer, Cornell University-Wide GET SET Teaching Conference. October 19, 2019 at Cornell University Ithaca, NY.

Co-organizer, Purpose in Context: Ecological Perspectives Conference. November 9-10, 2018 at Cornell University Ithaca, NY.

DEPARTMENT AND UNIVERSITY SERVICE

Digital historian, Human Development department, Cornell University 2021-2022

Organizer, Prospective graduate student recruitment, Cornell University 2018-2021

Member, Open rank faculty search for Social Networks, Cornell University 2018

DIVERSITY, EQUITY, AND INCLUSION

Staff affiliate, University of Florida Queer Nation 2022

- Worked with LGBTQ+ students to advocate for equitable policies and promote visibility on campus

Volunteer, Pride Community Center of North Central Florida 2022

- Provided sexual health education, safe space for queer youth in community

Volunteer, 4-H Career Explorations through Cornell Cooperative Extension 2019

- Organized college and career information sessions for high school girls

PROFESSIONAL AFFILIATIONS

Society for Research on Adolescence, Society for Research on Child Development

REFERENCES

Dr. Jane Mendle – jem482@cornell.edu

Dr. Susan Bluck – bluck@ufl.edu

Dr. Anthony Burrow – alb325@cornell.edu

Dr. Qi Wang – qiwang@cornell.edu