

Katie Paulich
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» **Education**

University of Colorado—Boulder
Boulder, CO
Expected PhD completion May 2024

MA: Psychology & Neuroscience
PhD: Behavioral, Psychiatric and Statistical Genetics
Mentors: John K. Hewitt and Michael C. Stallings

University of Wisconsin—Eau Claire
Eau Claire, WI
Graduated May 2019, Summa Cum Laude

Bachelor of Science in Biology & Psychology
Rhetoric of Science, Technology, and Culture Certificate
University Honors Program

» **Relevant Coursework**

Abnormal Psychology
Anti-Racism I
Behavioral Genetics
Benchmark Papers in Behavioral Genetics
Biometrical Methods in Behavioral Genetics
Cognitive Psychology
Evolutionary Psychology
Graduate Statistics & Data Analysis
Grant Writing
Human Development Psychology

Issues in Psychology
Psychopharmacology
Physiological Genetics and Genomics
Research in Applied Psychology
Research Methods in Psychology
Responsible Conduct of Research (Ethics)
Science Writing
Statistical Programming in R
Structural Equation Modeling

» **Relevant Research Experience**

John Hewitt Lab at the Institute for Behavior Genetics

Sept. 2019–Present

Research Student to Dr. John Hewitt (Co-mentored by Michael Stallings)

Exploring relationships between internalizing problems and risky sexual behavior: A twin study

- Utilized twins from the Center on Antisocial Drug Dependence (CADD)
- Examined links between internalizing and risky sexual behavior in a twin study
- Conducted analyses with biometrical statistics including univariate and factor-level bivariate models

Screen time is associated with mental health, academic outcomes, and peer relationships in the ABCD study

- Drew from a nationwide sample of 11,875 participants, aged 9 to 10 years, from the Adolescent Brain Cognitive Development (ABCD) study
- Investigate relationships between screen time and mental health, behavioral problems, academic performance, sleep habits, and peer relationships, by conducting a series of correlation and regression analyses, controlling for SES and race/ethnicity
- Effect sizes associated with screen time and the various outcomes were small, while SES was more strongly associated with each outcome measure

Individual Differences and Evolutionary Psychology Lab

Jan. 2017–May 2019

Research Assistant to Dr. April Bleske-Rechek

Unwarranted blame: The role of hindsight bias in judgments of suicide...

Jan. 2019–May 2019

- Investigated the effects of outcome knowledge on individuals' perceptions of foreseeability of suicide
- Examined whether outcome knowledge of a suicide changed hindsight perceptions of the victim

Motivated numeracy: How people interpret statistics about gender differences

Jan. 2019–May 2019

- Conducted numeracy test to learn about students' mathematical numeracy abilities
- Tested whether implicit gender bias altered statistical inference

Those shoes are so you! Personality expressed in shoes Jan. 2019–May 2019

- Collected large sample of shoe photographs from participants
- Investigated correlations between shoe characteristics and shopping behavior to self-report personality

Primed for to perceive harm: People's responses to ambiguous statements... Sept. 2018–May 2019

- Developed research design to examine the impact of a prime on perception of harm in a statement
- Examined Negative Emotionality as a covariate to perception of harm from those statements

Women's bodies throughout their reproductive career May 2018–May 2019

- Worked in partnership with researchers at UC-Santa Barbara and UC-Fullerton to examine relationships between attractiveness ratings of women's bodies and their reproductive viability
- Photographed and collected data on 100 female participants for data compilation

Immediate hire or immediate rejection? Grammar usage errors taint... Sept. 2017–May 2018

- Investigated working professionals' judgments of individuals based solely on a hypothetical cover letter written with deliberate grammatical errors
- Utilized statistical software SPSS to enter, analyze, and interpret data
- Created tables and figures for manuscript write-up

Systematic review of therapeutic touch literature Jan. 2017–May 2019

- Conducted systematic review of published, peer-reviewed Therapeutic Touch/Healing Touch literature to evaluate quality of the research
- Determined that the published literature is rife with methodological errors
- Assisted writing manuscript for publication of findings

The real test: Can college students reason about evidence? Jan. 2017–May 2017

- Examined undergraduates' ideas of what is acceptable scientific evidence for claims
- Utilized SPSS to enter, analyze, and interpret data

Molecular Genetics Research Lab Sept. 2017–May 2019

Research Assistant to Dr. Jamie Lyman Gingerich

Zebrafish, genes, and human kidneys: gene mapping in zebrafish mutants may... Sept. 2019–May 2019

- Worked with newly developed, less invasive DNA extraction method on zebrafish
- Utilized PCR gene mapping to resolve the span of a deletion in DNA giving rise to *spinner* phenotype

Laying the groundwork for investigating the link between genes and polycystic... Sept. 2017–Sept. 2019

- Conducted PCR gene mapping to examine location of potentially problematic genes in *Danio rerio*
- Utilized RNAi and fluorescing dye technique on *C. elegans* to examine altered cilia

» **Additional Research Experience**

Research Assistant to Dr. Karen Havholm Jan. 2018

- Conducted a review of potential course "Research as a Transferrable Skill," offered through Epigeum
- Provided feedback on course content and assignments

Research Assistant to Dr. Karen Mumford June 2017–Mar. 2018

- Examined neighborhoods in five Central European nations for various attributes that contribute to the "sense of place" in these areas
- Utilized Qualtrics survey technique and SPSS to evaluate data
- Traveled to Berlin, Germany; Prague, Czech; Vienna, Austria; Budapest, Hungary; Krakow, Poland
- Examined art, geography, and sustainability practices in these major cities

Research Assistant to Dr. Michael Axelrod Jan. 2017–May 2017

- Conducted and summarized literature searches on myths of adolescence
- Acknowledged in Dr. Axelrod's book, *Great Myths of Adolescence*
 - Jewell, J. D., Axelrod, M. I., Prinstein, M. J., & Hupp, S. (2018). *Great myths of adolescence*. Hoboken, NJ: Wiley-Blackwell.

» Publications

- Paulich, K. N., Ross, J. M., Lessem, J. M., & Hewitt, J. K. (2021). Screen time and early adolescent mental health, academic, and social outcomes in 9- and 10- year old children: Utilizing the Adolescent Brain Cognitive DevelopmentSM (ABCD) Study. *PLOS ONE*, *16*(9), e0256591. <https://doi.org/10.1371/journal.pone.0256591>
- Bleske-Rechek, A., Paulich, K., & Jorgensen, K. (2019). Twenty years after the “Emily event”: Therapeutic Touch and other energy therapies live on via bad science. *Skeptic*, *24*(2).
- Bleske-Rechek, A., Paulich, K., Shafer, P., & Kofman, C. (2019). Grammar matters: The tainting effect of grammar usage errors on judgments of competence and character. *Personality and Individual Differences*, *141*, 47-50. doi:10.1016/j.paid.2018.12.016
- Paulich, K. (2018, September 19). Women’s bodies, women’s selves. *Volume One*, (367), pp. 72.

» Professional Acknowledgement

- Jewell, J. D., Axelrod, M. I., Prinstein, M. J., & Hupp, S. (2018). *Great myths of adolescence*. Hoboken, NJ: Wiley-Blackwell.

» Professional Presentations

- Paulich, K. N., Stallings, M. C., J. M., Hewitt, J. K. (2021, June). *Exploring relationships between internalizing problems and risky sexual behavior: A twin study*. Video poster presented at the Behavior Genetics Association, held remotely over Zoom.
- Paulich, K. N., Ross, M. J., Lessem, J. M., Hewitt, J. K. (2021, May). *Exploring relationships between internalizing problems and risky sexual behavior: A twin study*. Video poster presented at the Institute for Behavioral Genetics Annual Mini-Conference, held remotely over Zoom.
- Paulich, K. N., Ross, M. J., Lessem, J. M., Hewitt, J. K. (2020, June). *Exploring ABCD phenotypes for future Behavioral Genetic analysis: Screen time is associated with mental health, academic outcomes, and peer relationships in the ABCD study*. Video poster presented at the Behavior Genetics Association, held remotely over Zoom.
- Bleske-Rechek, A., & Paulich, K. (2019, July). *The g in grammar: Grammar usage is an indicator of general cognitive ability*. Poster presented at the 20th Annual Conference of the International Society for Intelligence Research, Minneapolis, MN.
- Bleske-Rechek, A., Paulich, K., Shafer, P., Kofman, C., & Richmond, C. (2018, May). *Immediate hire or immediate rejection? Grammar usage errors taint ratings of applicants’ writing, employability, and character*. Poster presented at the 30th Annual Convention of the Association for Psychological Science, San Francisco, CA.
- Paulich, K., Jorgensen, K., & Bleske-Rechek, A. (2018, May). *Are energy therapies supported by randomized, placebo-controlled trials? A systematic review*. Poster presented at the 30th Annual Convention of the Association for Psychological Science, San Francisco, CA.
- Paulich, K., Jorgensen, K., & Bleske-Rechek, A. (2018, Apr.). *Are energy therapies supported by randomized, placebo-controlled trials? A systematic review*. Poster presented at the 15th Annual Research in the Rotunda, Madison, WI.

» University Presentations

- Paulich, K. N., Ross, M. J., Lessem, J. M., Hewitt, J. K. (2020, June). *Exploring ABCD phenotypes for future Behavioral Genetic analysis: Screen time is associated with mental health, academic outcomes, and peer relationships in the ABCD study*. Video poster presented at the University of Colorado-Boulder Institute for Behavioral Genetics Poster Day, held remotely over Zoom.

- Badenhorst, S., Drexler, R., Paulich, K., & Bleske-Rechek, A. (2019, May). *Those shoes are so you! Personality expressed in shoes*. Poster presented at the 27th annual University of Wisconsin-Eau Claire Celebration of Excellence in Research and Creative Activity.
- Drexler, R., Jorgensen, K., Paulich, K., & Bleske-Rechek, A. (2019, May). *Motivated numeracy: How people interpret statistics about gender differences*. Poster presented at the 27th annual University of Wisconsin-Eau Claire Celebration of Excellence in Research and Creative Activity.
- Fetkenheuer, J., Kleinschmidt, N., & Paulich, K. (2019, May). *Unwarranted blame: The role of hindsight bias in judgments of suicide likelihood and preventability*. Oral presentation at the WiSys Quick Pitch competition at the University of Wisconsin-Eau Claire.
- Fetkenheuer, J., Kleinschmidt, N., Paulich, K., & Bleske-Rechek, A. (2019, May). *Unwarranted blame: The role of hindsight bias in judgments of suicide likelihood and preventability*. Poster presented at the 27th annual University of Wisconsin-Eau Claire Celebration of Excellence in Research and Creative Activity.
- Paulich, K., Badenhorst, S., Jorgensen, K., & Seyoum, L. (2019, May). *Primed for to perceive harm: People's responses to ambiguous statements as a function of priming*. Oral presentation at the 9th Annual Provost's Honors Symposium for Research, Scholarship, and Creative Activity at the University of Wisconsin, Eau Claire.
- Paulich, K., Badenhorst, S., Jorgensen, K., Seyoum, L., Nuck, G., Bleske-Rechek, A., & Axelrod, M. (2019, May). *Primed for to perceive harm: People's responses to ambiguous statements as a function of priming*. Poster presented at the 27th annual University of Wisconsin-Eau Claire Celebration of Excellence in Research and Creative Activity.
- Paulich, K., Schleusner, M., Johnson, A., & Lyman Gingerich, J. (2019, May). Zebrafish, genes, and human kidneys: gene mapping in zebrafish mutants may help uncover genetic roots of Polycystic Kidney Disease. Poster presented at the 27th annual University of Wisconsin-Eau Claire Celebration of Excellence in Research and Creative Activity.
- Johnson, A., Paulich, K., Svoboda, M., & Lyman Gingerich, J. (2018, May). *Laying the groundwork for investigating the link between genes and polycystic kidney disease*. Poster presented at the 26th annual University of Wisconsin-Eau Claire Celebration of Excellence in Research and Creative Activity.
- Paulich, K., & Jorgensen, K. (2018, May). *Are energy therapies supported by randomized, placebo-controlled trials? A systematic review*. Oral presentation at the 8th Annual Provost's Honors Symposium for Research, Scholarship, and Creative Activity at the University of Wisconsin, Eau Claire.
- Paulich, K., Jorgensen, K., & Bleske-Rechek, A. (2018, May). *Are energy therapies supported by randomized, placebo-controlled trials? A systematic review*. Poster presented at the 26th annual University of Wisconsin-Eau Claire Celebration of Excellence in Research and Creative Activity.
- Paulich, K., & Mumford, K. (2018, May). *Student perceptions of neighborhood sense of place among central European neighborhoods*. Poster presented at the 26th annual University of Wisconsin-Eau Claire Celebration of Excellence in Research and Creative Activity.
- Paulich, K., Shafer, P., & Kofman, C. (2018, May). *Immediate hire or immediate rejection? Grammar usage errors taint ratings of applicants' writing, employability, and character*. Oral presentation at the 8th Annual Provost's Honors Symposium for Research, Scholarship, and Creative Activity at the University of Wisconsin-Eau Claire.
- Paulich, K., Shafer, P., Kofman, C., & Richmond, C., & Bleske-Rechek, A. (2018, May). *Immediate hire or immediate rejection? Grammar usage errors taint ratings of applicants' writing, employability, and character*. Poster presented at the 26th annual University of Wisconsin-Eau Claire Celebration of Excellence in Research and Creative Activity.
- Lockington, R., & Paulich, K. (2017, May). *Hovering questions: Are Therapeutic Touch and Healing Touch evidence-based practices?* Oral presentation at the WiSys Quick Pitch competition at the University of Wisconsin-Eau Claire.

Lockington, R., Paulich, K., & Bleske-Rechek, A. (2017, May). *Hovering questions: Are Therapeutic Touch and Healing Touch evidence-based practices?* Poster presented at the 25th annual University of Wisconsin-Eau Claire Celebration of Excellence in Research and Creative Activity.

Paulich, K., & Richmond, C. (2017, May). *The real test: Can college students reason about evidence?* Oral presentation at the WiSys Quick Pitch competition at the University of Wisconsin-Eau Claire. Won first place award.

Paulich, K., Richmond, C., & Bleske-Rechek, A. (2017, May). *The real test: Can college students reason about evidence?* Poster presented at the 25th annual University of Wisconsin-Eau Claire Celebration of Excellence in Research and Creative Activity.

» **Funding**

Recipient, (July 2020, July 2021) Institute for Behavioral Genetics National Institutes of Health training grant Pre-doctoral trainee, National Institutes of Mental Health

Proposal submitted (Oct. 2019) to the NSF Graduate Research Fellowships Program: Examining associations between amount and type of screen time and various adolescent outcomes. Not funded.

» **Professional Conferences**

Behavior Genetics Association Annual Meeting

Held Remotely on Zoom, June 2021

International Statistical Genetics Workshop

Held Remotely on Zoom, May 2021

Integrating Genetics and the Social Sciences

Held Remotely on Zoom, October 2020

Summer Institute in Statistical Genetics

Held Remotely on Zoom, July 2020

Behavior Genetics Association Annual Meeting

Held Remotely on Zoom, June 2020

International Statistical Genetics Workshop

Boulder, CO, March 2020

Integrating Genetics and the Social Sciences

Boulder, CO, October 2020

International Society for Intelligence Research Conference

Minneapolis, MN, July 2019

The 30th Annual Convention of the Association for Psychological Science

San Francisco, CA, May 2018

» **Teaching Experience**

University of Colorado—Boulder Psychology and Neuroscience Department Tutor *Jan. 2020–Present*

- Tutored Psychology and Neuroscience undergraduates in weekly office hours
- Tutored Psych Statistics, Intro to Psych, and Research Methods in Psychology

University of Colorado—Boulder Teaching Assistant *Jan. 2020–May 2020*

Undergraduate Abnormal Psychology, Dr. Vyga Kaufmann

- Attended lectures and graded exams
- Held office weekly office hours and met with students outside scheduled office hours

- Helped transition the course to remote teaching in response to Covid-19

University of Colorado—Boulder Teaching Assistant

Sept. 2019–Dec. 2019

Undergraduate Psychological Statistics, Dr. Matt Jones

- Taught two weekly lab sections in R statistical software
- Held office weekly office hours
- Graded assignments, labs, and exams

University of Wisconsin—Eau Claire Student Academic Apprentice

Jan. 2018–May 2018

- For undergraduate Psychology Research Methods course (Dr. April Bleske-Rechek)
- Held weekly office hours, tutored students, and graded assignments
- Worked with JASP statistical software to analyze datasets

» **Related Experience**

University of Wisconsin—Eau Claire Institutional Review Board Member

Sept. 2017–May 2019

- Reviewed campus research proposals for ethics and design quality both individually and on full board
- Voted as full board member
- Served as the only student member

Book editor for Dr. Katherine Schneider

Summer 2019

- Edited her blog-to-book *Hope of the Crow*
- Edited material for grammar, spelling, syntax, and content
- Assisted with conversion from blog format to book format

» **Honors and Awards**

Summer Institutes for Statistical Genetics Scholarship	<i>June 2020</i>
Graduated Summa Cum Laude	<i>May 2019</i>
Biology Department Outstanding Senior Award	<i>May 2019</i>
Psychology Department Outstanding Senior Award	<i>May 2019</i>
Business Technology Association Scholarship	<i>June 2015–June 2018</i>
Terry Balding Biology Award	<i>May 2018</i>
Steve and Julie Henseler Biology Scholarship	<i>May 2018</i>
Ralph E. Duxbury Biological Sciences Scholarship	<i>May 2016–May 2018</i>
College of Arts and Sciences Dean’s List	<i>Dec. 2015–May 2018</i>
WiSys Quick Pitch First Place	<i>May 2017</i>