

Quanfa (Frank) He

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ACADEMIC APPOINTMENTS:

August, 2025 -	Assistant Professor Department of Psychology, Southern Methodist University
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EDUCATION:

May, 2025	University of Wisconsin-Madison <i>Ph.D., Clinical Psychology</i>
May, 2021	University of Wisconsin-Madison <i>Master of Science, Clinical Psychology</i>
May, 2018	University of Wisconsin-Madison <i>Bachelor of Arts, Psychology</i>

PUBLICATIONS

1. **He, Q.**, Li, J. J. (under review). K-SADS in Context: Testing Measurement Equivalence Across Race, Ethnicity, and Socioeconomic Factors. https://osf.io/preprints/psyarxiv/vwq6b_v1
2. Rahrig, H., Dong, L., **He, Q.**, Goldberg, S., McDade, T., Li, J. J., Wilson-Mendenhall, C. (under review). Emotional well-being within a longitudinal cohort study: Development and validation of an emotional well-being construct.
3. Li, J. J., **He, Q.**, Rodriguez-Seijas, C., & Waldman, I. D. (revise and resubmit). Racial and Ethnic Invariance of HiTOP Dimensions in Adolescent Brain and Cognitive Development (ABCD) Study. <https://osf.io/preprints/psyarxiv/aq7ru>
4. Li, J. J., **He, Q.**, Wang, Z. & Lu, Q. (2025). Enhancing the discriminatory power of polygenic scores for ADHD and autism in clinical and non-clinical samples. *Journal of Neurodevelopmental Disorders*, 17:32. doi.org/10.1186/s11689-025-09620-w
5. Keding, T. J., Russell, J. D., Zhu, X., **He, Q.**, Li, J. J., Herringa, R. (2024). Diverging Effects of Violence Exposure and Psychiatric Symptoms on Amygdala-Prefrontal Maturation during Childhood and Adolescence. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 10 (5), 450-462. [doi: 10.1016/j.bpsc.2024.08.003](https://doi.org/10.1016/j.bpsc.2024.08.003)
6. **He, Q.**, Keding, T.J., Russell, J.D., Zhang, Q., Miao, J., Herringa, R., Lu, Q., Travers, B., & Li, J. J. (2023). Neurogenetic Mechanisms of Risk for ADHD:

Examining Associations of Polygenic Scores and Brain Volumes in a Population Cohort. *Journal of Neurodevelopmental Disorders*, 15 (1), 30. doi.org/10.1186/s11689-023-09498-6

7. **He, Q.**, Li, J. J., & Lu, Q. (2021). A Gene-Environment Interaction Study of Polygenic Scores and Maltreatment on Childhood ADHD. *Research on Child and Adolescent Psychopathology*, 50 (3), 309-319. [10.1007/s10802-021-00873-2](https://doi.org/10.1007/s10802-021-00873-2)
8. Li, J. J., & **He, Q.** (2021). Polygenic Scores for ADHD: A Meta-Analysis. *Research on Child and Adolescent Psychopathology*, 49, 297-310. <https://doi.org/10.1007/s10802-021-00774-4>
9. Russell, J., Keding, T., **He, Q.**, Li, J. J., & Herringa, R. (2020). Childhood exposure to interpersonal violence is associated with greater transdiagnostic integration of psychiatric symptoms. *Psychological Medicine*, 52 (10), 1883-1891. <https://doi.org/10.1017/S0033291720003712>
10. **He, Q.**, & Li, J. J. (2020). Factorial invariance in hierarchical factor models of mental disorders in African American and European American youths. *Journal of Child Psychology and Psychiatry*, 62 (3), 289-298. doi.org/10.1111/jcpp.13243

WORKS IN PROGRESS

1. **He, Q.**, Peng, Z., Curtin, J. J., Fronk, G., & Li, J. J. (in prep). Optimal Predictors of ADHD in a Prospective Longitudinal Sample of Pre-School Aged Children: A Machine Learning Approach. <https://osf.io/fqpkm>
2. **He, Q.**, Li, J. J., Rodriguez-Seijas, C., Forbes, M. (in prep). Testing measurement invariance of the HiTOP framework at two hierarchical levels in an international sample.
3. Keding, T. J., Russell, J. D., Peverill, M., **He, Q.**, Wang, D., Li, J. J., Herringa, R., Birn, R. (in prep). Investigating the early-life adversity moderators linking large-scale brain network connectivity and psychiatric symptom trajectories during late childhood and adolescence. <https://doi.org/10.17605/OSF.IO/MK7TB>
4. **He, Q.**, & Li, J. J. (in prep). Cross ancestry benchmark of mental disorder PGSs: integrating HiTOP to reduce disparity. <https://osf.io/xtu2e>

POSTERS, SYMPOSIUM & PAPER PRESENTATIONS

Symposia

1. **He, Q.**, Li, J.J., Rodriguez-Seijas, C., Forbes, M. (2025, March). Examining the measurement invariance of the HiTOP structure across sociodemographic groups at two hierarchical levels. In Q. He (Chair), *Advancing the understanding of the structure of psychopathology with nontraditional quantitative approaches and perspectives* [Symposium presentation]. 2025 Hierarchical Taxonomy of Psychopathology Conference in Denver, Colorado

Poster presentations

1. Sasia, A.B., Feltman, S., **He, Q.**, Kotov, R., Travers, B.G., & Li, J. J. (2025, March). *Autism, Neurodevelopment, and Hierarchical Taxonomy of Psychopathology in Childhood and Adolescence*. Poster presented at the 2025 Hierarchical Taxonomy of Psychopathology Conference in Denver, Colorado
2. **He, Q.**, Sasia, B., Li, J. (2024, October). *Longitudinal Trajectories in Mental Health and Behavioral Problems in the ABCD Dataset*. Poster accepted at the Society for Research in Psychopathology 2024 Annual Meeting in Montréal, Canada
3. Rahrig, H., Dong, L., **He, Q.**, Li, J., Goldberg, S.B., McDade, T.W., & Wilson-Mendenhall, C.D. (2024, March). *Emotional well-being within Add Health: Development and validation of an emotional well-being measure*. Poster presented at the Society for Affective Science Conference in New Orleans, LA.
4. **He, Q.**, & Keding, T., Zhang, Q., Miao, J., Herringa, R., Travers, B.G., & Li, J. J. (2023, September). *Examination of Brain-Based Mediators of Polygenic Risk for ADHD*. Poster presented at the Society for Research in Psychopathology Annual Conference in St. Louis, MO.
5. Peng, Z., **He, Q.**, & Li, J. J. (2023, March). *Use of machine learning to predict ADHD in children: A multi-wave longitudinal study*. Poster presented at the biennial meeting for the Society for Research in Child Development (SRCD) in Salt Lake City, UT.
6. **He, Q.**, & Li, J. J. (2022, September). *Evidence of Cross-Cultural Measurement Invariance in HiTOP in the ABCD Dataset*. Poster presented at the Society for Research in Psychopathology Annual Conference in Philadelphia, PA.
7. **He, Q.**, & Li, J. J. (2022, June). *Testing the Trans-Ancestral Portability of Psychiatric Polygenic Scores in HiTOP Models of Psychopathology*. Poster accepted for presentation at International Society for Research in Child and Adolescent Psychopathology in Athens, Greece. (conference canceled)
8. **He, Q.**, Li, J.J., Lu, Q. (2021, April). *Interplay between sex-specific polygenic scores and maltreatment in childhood ADHD*. Poster accepted at the Society for Research in Child Development 2021 Biennial Meeting.
9. **He, Q.**, Li, J.J., Lu, Q. (2020, October). *Interplay between polygenic liability and maltreatment in childhood ADHD*. Poster presented at the International Society for Developmental Psychobiology 2020 Virtual 53rd Annual Meeting.
10. **He, Q.**, Li, J. J. (2019, June). *Comparing the factor structure of mental disorders across race-ethnicity*. Poster presented at the International Society for Research in Child and Adolescent Psychopathology 2019 Nineteenth Biennial Scientific Meeting in UCLA, Los Angeles, CA.

11. **He, Q.**, Li, J. J. (2019, March). *Comparing the factor structure of mental disorders across race-ethnicity*. Poster presented at Society for Research in Child Development 2019 Biennial Meeting in Baltimore, MD.
12. **He, Q.**, Choi, J., Miyamoto, Y. (2019, February). *Cross-cultural comparison of the benefit of giving social support for improving well-being by reducing loneliness*. Poster presented at 2019 Society for Personality and Social Psychology Advances in Cultural Psychology Preconference, Portland, Oregon.
13. **He, Q.**, Miyamoto, Y. (2018, April). *Cross-cultural comparison of the benefit of giving social support for improving well-being by reducing loneliness*. Poster presented at Midwestern Psychological Association Conference 2018, Chicago, IL.

Paper presentations

1. Li, J. J. & **He, Q.** (2023, July). *Apples and oranges? Measurement equivalence of psychopathology across race-ethnicity*. Paper presented at the 2023 APA Division 45 Research Conference, San Diego, CA.
2. **He, Q.**, Li, J. J. (2020, March). *Factorial invariance in hierarchical factor models of mental disorders in African American and European American youths*. Paper presented at the Annual Clinical Research Symposium, Department of Psychology, University of Wisconsin-Madison, Madison, WI.
3. **He, Q.**, Li, J. J. (2020, March). *Factorial invariance in hierarchical factor models of mental disorders in African American and European American youths*. Paper presented at Data Blitz Presentation, Department of Psychology, University of Wisconsin-Madison, Madison, WI.

Other talks/presentations

1. **He, Q.**, Sasia, B., & Li, J. J. (2024, March). *Longitudinal Trajectories in HiTOP Dimensions in the ABCD Dataset*. Flash talk presented at the 2024 Hierarchical Taxonomy of Psychopathology Conference in San Diego, CA.

RESEARCH EXPERIENCE

2018 - 2025

Graduate Research Assistant

Social and Behavioral Development Lab, Dr. James J. Li
 Department of Psychology, University of Wisconsin-Madison

- Contributing to data collection in a NIH-funded (P50 center grant to Waisman Center) project to examine autism spectrum disorder and ADHD comorbidity
- Data collection includes neuropsychological testing of children and clinical interview with parents.

- Conducting independent research projects pertaining to the focus of the lab, under supervision of Dr. Li.
- Mentoring undergraduate research assistants, including their general lab responsibility and senior thesis/independent projects.

2020 - 2020

Graduate Research Assistant

Culture and Cognition Lab, Dr. Yuri Miyamoto

Department of Psychology, University of Wisconsin-Madison

- Helped translate and coordinate back-translation of several scales for a NSF-funded cross-cultural study of emotion, cognition, behaviors and mental health
- Conducted factor analysis on a Cognitive Processing scale to confirm the optimal factor structure for downstream analyses

2018 - 2019

Lab Manager

Culture and Cognition Research Lab, Dr. Yuri Miyamoto

Department of Psychology, University of Wisconsin-Madison

- Coordinated weekly lab meetings and paper presentations by undergraduate research assistants
- Coordinated scheduling and recruitment of research assistants
- Organized social events within the lab.

AWARDS/HONORS

2025	Messerschmidt Award (\$1,200)
2024	Student Research Grant Competition (\$1,500)
2024	Psychiatry-Psychology Summer Fellowship (\$4,000)
2024	Hertz Travel Awards (\$750)
2024	Messerschmidt Award (\$700)
2023	Society for Research in Psychopathology President's Award (\$1,000)
2022	Student Research Grant Competition (\$1,000)
2022	Hertz Travel Awards (\$750)
2022	Wisconsin Distinguished Graduate Fellowship (\$29,000)
2020	Departmental Fund for Statistical Workshops (\$1,500)
2019	Hertz Travel Awards (\$750)

MENTORING EXPERIENCE

Summer, 2024 **Graduate Research Mentor**

Post-baccalaureat Research Education Program (PREP)

- Provided intensive, one-on-one research mentoring for a undergraduate student from underrepresented backgrounds, as part of the NIH-sponsored PREP program
- Directly providing guidance to the undergraduate student in the design, execution, and presentation of an independent research project over the course of 10 weeks
- Attended weekly group workshops on mentoring, guided by the Delta mentoring program in UW-Madison.

Spring, 2024

Graduate Research Mentor

Master of Data Science in Human Behavior, UW-Madison

- Provided weekly research mentoring for a group of master-level students in the DSHB master's program in their design, execution and presentation of a group research project
- Provided feedback on the conceptualization, analyses, and presentation of the group project.

2019 - 2025

Graduate Student Mentor

Social and Behavioral Development Lab, Dr. James J. Li

Department of Psychology, University of Wisconsin-Madison

- Serve as a direct point-of-contact, supervisor and mentor for 8 undergraduate research assistants in the lab
- Provided research, academic, and career-related guidance to undergraduate research assistants. 6 out of the 8 undergraduate research assistants are in top graduate programs in the country, including clinical psychology doctorate program, and educational specialist in school psychology program.
- Directly mentoring independent research projects led by the undergraduate research assistants, leading to successful poster presentations both on campus and in well-recognized international conferences such as Society for Research in Child Development.

TEACHING EXPERIENCE

Spring, 2024

Teaching Assistant

Psychology 403: Personality in Psychology

- Graded written reports and maintaining regular email communications with students

- Held weekly office hours to address students' questions and concerns about the course

Fall, 2023

Teaching Assistant

Psychology 460: Child Development

- Presented a guest lecture on the role of genetics in child development
- Evaluated weekly written assignments for about 150 students
- Responded to students' emails and communicated students' concerns and questions with the instructor

Fall, 2021

Teaching Assistant

Psychology 202: Introduction to Psychology

- Coordinated weekly online discussions
- Responded to students' emails and evaluated weekly assignments

Fall, 2019

Teaching Assistant

Psychology 202: Introduction to Psychology

- Coordinated weekly online discussions
- Responded to students' emails, evaluated assignments and proctored exams

2018 to 2019

Teaching Assistant

Psychology 225: Research Methods

- Independently led weekly discussion sections for approximately 35 students
- Facilitated interactive learning lectures
- Evaluated written assignments, including research proposals and final research paper (8-10 pages).

RESEARCH SKILLS

1. Competent in data analyses and visualization using R, SPSS and Mplus
2. Proficient in creating research posters and other visualizations to disseminate research findings using PowerPoint, Excel, R, canva, and specialized online platforms (e.g., draw.io).
3. Competent in analyzing genomic data using PRSice-2 and PLINK
4. Actively engaging in open science practices such as preregistration, preprint, and data sharing.

5. Familiar with data analyses using Python
6. Proficient with data management with Excel
7. Basic computer programming with Java

SERVICES RELATED ACTIVITIES

Climate and Diversity Committee, Department of Psychology, University of Wisconsin-Madison (2020-2021)

MEMBERSHIPS

2021 - present	Hierarchical Taxonomy of Psychopathology Consortium
2022 - present	Society for Research in Psychopathology
2016 - present	Psi Chi International Honor Society in Psychology
2018 - 2019	Society for Personality and Social Psychology