

Su Jiang

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(Updated as of Oct 5, 2023)

Education and Academic Appointment

- 2022-now **Postdoctoral Research Associate.**
Department of Educational Psychology
Texas A&M University
Postdoctoral Mentor: Dr. Jeffrey Liew
- 2017-2022 **University of California, Irvine**
Ph.D., School of Education
Specialization: Human Development in Context
Dissertation: *The development and the parental socialization process of adolescents' Math and science motivation*
Committee: Sandra Simpkins (chair), Deborah Vandell, Drew Bailey
- 2017-2019 **University of California, Irvine**
M.A., Education
Thesis: *Individuals' math and science motivation and their subsequent STEM choices and achievement in high school and college: A longitudinal study of gender and college generation status differences.*
- 2014-2016 **University of California, Los Angeles**
M.Ed., Teacher Education Program
Obtained California Single Subject Teaching Credential in Science
- 2011-2013 **New York University**
M.S., Graduate School of Arts & Science
Specialization: Bioinformatics
- 2007-2011 **Tianjin University of Science & Technology**
B.Eng., Department of Biology

Grants

- 2023 **Spencer Foundation.**
Expanding the capacity of a multicomponent youth program that provides culturally responsive social-emotional learning experiences in and out of school to improve academic success. 2024-2027.
Co-Investigator. \$400,000 (Under review)

Publications

Citation Information: Count = 115; *h*-index = 3; *i*10 index = 2 (source: [Google Scholar](#))

- PB9** Jiang, S., & Simpkins, S. D. (In press). Examining changes in adolescents' high school math and science motivational beliefs and its relation to parental STEM support and STEM major choice at the intersection of gender and college generation status. *Developmental Psychology*. *Impact Factor* = 5
- PB8** Wan, S., Lauermann, F., Greifer, N., Jiang, S., Bailey, D. H., & Eccles, J. S. (Revise and Resubmit). The role of comparative processes in shaping the effects of between-class ability grouping on students' Math ability self-concept. *Journal of Educational Psychology*. *Impact Factor* = 8.61
- PB7** Wang, J., Shi, Q., Yan, J., Li, X., Bolick, B., Jiang, S., Wen, W., Liew, J., Bentsianov, S., Thurston, I., & Kim, S. Y. (under review). Social determinants of health and longitudinal co-development of depressive symptoms and delinquency among Mexican-origin adolescents. *American Psychologist*. *Impact Factor* = 16.4
- PB6** Jiang, S., Liew, J., Farzaneh, K. E., Sainz, A., Li, D., Aguilar, S., Xiao, S. S., & Brison, N. (under review). Young adults' motivations for diversity training and how they relate to prosocial behaviors: A gender and race study. *Journal of Applied Social Psychology*. *Impact Factor* = 2.5
- PB5** Gülseven, Z., Jiang, S., Simpkins, S. D., & Vandell, D. (under review). Out-of-school time during middle childhood and adolescence: Are they related to changes in academic and social well-being? *Applied Developmental Science*. *Impact Factor* = 4.92
- PB4** Xiao, S. S., Gülseven, Z., Clancy, E., Liew, J., Carlo, G., Kim, S., & Jiang, S. (under review) Measuring early adolescents' prosocial behavior toward diverse others: Considering multiple social identities. *Journal of Adolescence*. *Impact Factor* = 3.8
- PB3** Yu, M. V. B., Hsieh, T. Y., Lee, G., Jiang, S., Pantano, A., & Simpkins, S. D. (2022). Promoting Latinx adolescents' math motivation through competence support: Culturally responsive practices in an afterschool program context. *Contemporary Educational Psychology*, 68, 102028. *Impact Factor* = 10.3
- PB2** Jiang, S., Simpkins, S. D., & Eccles, J. S. (2020). Individuals' math and science motivation and their subsequent STEM choices and achievement in high school and college: A longitudinal study of gender and college generation status differences. *Developmental Psychology*, 56 (11), 2137. *Impact Factor* = 5
- PB1** Ma, T. L., Zarrett, N., Simpkins, S. D., Vandell, D., & Jiang, S. (2020). Brief Report: Patterns of Children's Prosocial Behaviors in Middle Childhood Predicting Peer Relations During Early Adolescence. *Journal of Adolescence*, 78, 1-8. *Impact Factor* = 3.8

Selected Working Papers*

- WP6** Jiang, S., Esparza, A., Lam, K. H., Guo, W., Woodcock, A., Haddad, K., & Hernandez, P. R., Supporting Latinx STEM undergraduate students through parent workshop: A longitudinal intervention study.

- WP5** **Jiang, S.**, & Liew, J. The development of math and reading motivational beliefs and its relation to postsecondary educational choices.
- WP4** Liew, J., Wang, J., **Jiang, S.**, Zhou, Z., Li, X., Yeh, Y. & Kwok, O. Longitudinal predictions of internalizing and externalizing problems from parental psychological control through emotion regulation difficulties in Chinese Americans during the transition from adolescence to early adulthood.
- WP3** **Jiang, S.**, & Liew, J. Examining the trajectories of emotion regulation skills and their relations to social and academic outcomes at the intersection of gender and race.
- WP2** Lee, H., Pedersen, B., **Jiang, S.**, Amin, S., & Rambo-Hernandez, K. Diversity climate and diversity value: How they lead to belonging, motivation, and persistence in STEM.
- WP1** **Jiang, S.**, Simpkins, S. D., Wan, S., & Eccles, J. S., Parent and child factors that predict the change in parents' STEM support during high school.

*authors and titles are subject to change for working papers.

Conference Presentations

Paper Presentations

- Lee, H., Pedersen, B., **Jiang, S.**, Amin, S., & Rambo-Hernandez, K. (2024, April). Diversity climate and diversity value: How they lead to belonging, motivation, and persistence in STEM. Paper submitted to the annual meeting of the American Educational Research Association, Philadelphia, PA.
- Xiao, S. S., Gülseven, Z., Clancy, E., Liew, J., Carlo, G., Kim, S., & **Jiang, S.** (2024, April). *Measuring early adolescents' prosocial behavior toward diverse others: Considering multiple social identities*. Paper presentation submitted to the annual meeting of the Society for Research on Adolescence, Chicago, IL.
- Jiang, S.**, Liew, J., & Xiao, S. X. (2023, October). *Young adults' motivations for diversity training and how it relates to their intragroup and intergroup prosocial behaviors for STEM college students*. Paper presented at the 49th Annual Conference of the Association for Moral Education, Fort Worth, TX.
- Gülseven, Z., **Jiang, S.**, Simpkins, S., & Vandell, D. L. (2023, October). *Patterns of participation in afterschool settings in middle childhood and early adolescence: Are they related to academic and social well-being?*[Paper presentation]. In Z. Gülseven (Chair), Positive youth development among underserved and minoritized youth: Roles of organized afterschool activities. 13th Biennial Conference of the Society for the Study of Human Development (SSHD), Philadelphia, PA, United States.
- Xiao, S. X., **Jiang, S.**, Nguyen, D., Liew, J., Martin, C., Carlo, G., Spinrad, T., & Eisenberg, N. (2023, February). *Early Adolescents' Prosocial Behavior Toward Diverse Others: Predictions from Multiple Social Identities*. In Roos, J., & Carlo, G. (co-chairs), Helping Diverse Others: Correlates of Intergroup Prosocial Behaviors Across Adolescence and Young Adulthood. Symposium at the Society for Cross-Cultural Research annual meeting, San Juan, Puerto Rico.
- Jiang, S.**, Liew, J., & Xiao, S. X. (2023, February). *Predictors of young adults' intragroup and intergroup prosocial behaviors: An intersectional study of gender and race*. In Roos, J., & Carlo, G. (co-chairs), Helping Diverse Others: Correlates of Intergroup Prosocial

Behaviors Across Adolescence and Young Adulthood. Symposium at the Society for Cross-Cultural Research annual meeting, San Juan, Puerto Rico.

Jiang, S., Simpkins, S. D., Zarrett, N., & Vandell, D. (2020, March). *Examining the consistency and disparities of adolescents' self-control skills reported by teachers, mothers, and fathers*. Paper accepted at the Society for Research on Adolescence Biennial Meeting, San Diego, CA. (Conference canceled.)

Poster Presentations

Jiang, S. & Liew, J. (2024, April). The dual developmental process of math and reading motivational beliefs during early adolescence and its cascading relation to educational attainment in high school and college. Paper presentation submitted to the annual meeting of the Society for Research on Adolescence, Chicago, IL.

Jiang, S. & Liew, J. (2024, April). The development of adolescents' emotion regulation skills and how it relates to their educational attainment in high school and college. Paper presentation submitted to the annual meeting of the Society for Research on Adolescence, Chicago, IL.

Jiang, S., Xiao S. S., & Liew, J. (2023, April) Parental gender and ethnic socialization and how they relate to adolescents' general and intergroup prosocial behaviors. Poster presented at the Society for Research on Adolescence Biennial Meeting, San Diego, CA.

Jiang, S., Simpkins, S. D. (2022, March) The predictors and outcomes of the changes in adolescents' math and science motivational beliefs during high school: A latent change score study. Poster accepted at the Society for Research on Adolescence Biennial Meeting, New Orleans, LA

Jiang, S. & Simpkins, S. D. (2020, March). Examining the profiles of parental support at home and school and their relations to adolescents' science motivational beliefs. Poster accepted at the Society for Research on Adolescence Biennial Meeting, San Diego, CA. (Conference canceled.)

Jiang, S. & Simpkins, S. D. (2020, April). The role of math and science motivational beliefs in supporting STEM outcomes in high school and college. Poster accepted at the American Educational Research Association Annual Meeting, San Francisco, CA. (Conference canceled.)

Jiang, S. & Simpkins, S. D. (2020, April). The longitudinal relations between adolescents' math and science motivation and their relations to STEM outcomes. Poster accepted at the American Educational Research Association Annual Meeting, San Francisco, CA. (Conference canceled.)

Jiang, S., Ma, T. L., Simpkins, S. D., Vandell, D., & Zarrett, N. (2019, March). Comparing Profiles of Mother Rated and Teacher Rated Prosocial Behaviors: The Role of Gender and Ethnicity. Poster presented at the Society for Research in Child Development Biennial Meeting, Baltimore, MA.

Jiang, S. & Simpkins, S. D. (2019, March). Pattern-Centered Analysis of Latino Adolescents' Math and Science Motivational Beliefs and the Relation to Science Engagement. Poster presented at the Society for Research in Child Development Biennial Meeting, Baltimore, MA.

Ma, T. L., **Jiang, S.**, Simpkins, S. D., Vandell, D., & Zarrett, N. (2019, March). Profiles of children's prosocial behaviors and their longitudinal associations with peer aggression,

bullying, and victimization. Poster presented at the Society for Research in Child Development Biennial Meeting, Baltimore, MA.

Awards

- 2019 • Associate Graduate Students Conference Grant at UCI \$250
2014-2015 • Peck Memorial fellowship (named as Dean's Scholar) \$2450

Research Experiences

- 2022-now **Liew Human Development Lab**
PI: Jeffrey Liew
Texas A&M University
Postdoc Researcher
- Conducting independent research and publishing papers for the related grant
 - Mentoring graduate students on their research
- 2022-now **Motivation and Learning Lab**
PI: Paul Hernandez & Karen Rambo-Hernandez
Texas A&M University
Collaborator
- Conducting independent research and publishing papers for the related grant
- 2017-2022 **Simpkins Research Lab**
PI: Sandra Simpkins
University of California, Irvine
Graduate Student Researcher
- Conducting independent research using advanced quantitative methods (e.g., growth mixture modeling, latent change score modeling, latent class/profile analysis) and publishing papers for related grants of NSF, Templeton grant, and Mott grant
 - Assisting in the grant proposal writing for Templeton Grant on adolescents' characteristic development
 - Designing and updating the Simpkins Research Lab website
 - Mentoring undergraduate researchers in data recording and data coding
- 2016-2017 **Simpkins Research Lab**
PI: Sandra Simpkins
University of California, Irvine
Research Assistant
- Record, organize, and clean longitudinal data for Dr. Simpkins's NSF grant research

- Conducted literature review on motivation development of adolescents for Dr. Simpkins's NSF AISL grant proposal
- Build reference list for NSF AISL grant proposal using Mendeley

Teaching Experiences

2020 Summer	Teaching Assistant for The Adolescent Learner (EDUC 361) at UCI
2020 Spring	Teaching Assistant for Multicultural Education in K-12 Schools (EDUC 124) at UCI
2018 Fall	Teaching Assistant for Theories of Development and Learning Applied to Education (EDUC 40) at UCI
2016-2017	Science Teacher of 9 th grade biology at Alexander Hamilton High School, Los Angeles, CA
2015-2016	Science Teacher of 9 th grade biology at Los Angeles High School of the Arts, Los Angeles, CA
2013-2014	ESL and Science Teacher at New Oriental Education and Technology Group, Beijing, China

Mentoring Experiences

2018 - present	Mentor for undergraduate research assistants at University of California Irvine Research Assistants: Matthew Nguyen, Luis Chaidez, Jocelyn Murillo, Juan Gonzalez, Elizabeth Ojeda
2015-2017	Mentor for first-generation immigrant Chinese high school students, Los Angeles, CA <ul style="list-style-type: none"> • Mentored first-generation immigrant Chinese students on adjusting to high school and transition to American educational system
2015 Summer	Coordinator of Summer Camp Program, Columbia University, New York, NY <ul style="list-style-type: none"> • Coordinated meetings and conversations between Columbia University professors and immigrant high school students on topics of college education and career choice

Services

Journal Reviewer:

Journal of Educational Psychology; Developmental Psychology; Frontiers in Psychology; Journal of Research on Adolescence; BMC Public Health; Journal of Sex Roles; European Journal of Psychology of Education

Conference Reviewer:

2022-now	American Educational Research Association
2022-now	Society for Research in Child Development

2021-now Society for Research on Adolescence

Others Service:

2023 **Organizer** for 2023 Society for Research in Child Development Moral Development Pre-conference
2021 **Student Representative** for 2021 UCI School of Education Ph.D. Admission Committee
2019 **Student Coordinator** for School of Education 2019 Recruitment Weekend
2018 **Student Volunteer** for School of Education 2018 Recruitment Weekend

Professional Training

2022 **STATS CAMP** Bayesian Statistics Course
2019 **STATS CAMP** Applied Longitudinal Mixture Modeling
2018 **Activate to Captivate** Public Speaking Certificate Program

Professional Associations

American Educational Research Association
Society for Research in Child Development
Society for Research on Adolescence
American Psychological Association

Graduate Courses in Statistics and Methodology

Structure Equation Modelling, Advanced Longitudinal Data Analysis, Research Epistemology & Method, Program Evaluation & Analysis, Applied Regression, and Data Analysis in Education.

Statistics Skills

- **Longitudinal analysis skills:** Structural Equation Modeling (e.g., mediation, moderation, and multigroup analysis), Longitudinal Methods (e.g., latent growth modeling, latent change score), Longitudinal Mixture Modeling (e.g., growth mixture modeling, latent class growth analysis, and latent transition analysis), person-centered approaches (e.g., latent profile/class analysis), social network analysis, and missing data techniques (e.g., full information maximum likelihood and multiple imputations)
- **Causal Analysis Skills:** propensity score methods, instrumental variables, difference-in-differences, fixed-effect models, and regression discontinuity.
- **Programming Language:** R, Python
- **Statistical Analysis:** STATA, SPSS, Mplus, MATLAB, MySQL
- **Others:** LaTeX, Endnote, Mendeley

REFERENCES

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