

CHAO LIU, Ph.D.

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EDUCATION

Ph.D., Human Sciences (*Human Development and Family Science*) (August 2018)
Oklahoma State University (OSU), Stillwater, OK

M.A., Developmental Psychology (August 2013)
University of Maine, Orono, ME

B.A., Psychology (May 2009)
Beijing Normal University Zhuhai Campus, Zhuhai, Guangdong, China

EXPERIENCE

Assistant Professor (Fall 2018-present)
Department of Psychology, Cedarville University, Cedarville, OH

Instructor and Teaching Assistant (2014-2018)
Department of Human Development and Family Sciences, Oklahoma State University,
Stillwater, OK

Adjunct Professor (Fall 2013)
Department of Psychology, Husson University, Bangor, ME

Teaching Assistant (2011-2012)
Department of Psychology, University of Maine, Bangor, ME

TEACHING AND MENTORING ACTIVITIES

Department of Psychology, Cedarville University, Cedarville, OH (2018-present)

PYCH 2610: Statistics (Fall 2018-present)

PYCH 3730: Research Methods (Fall 2018-present)

Department of Human Development and Family Sciences, Oklahoma State University,
Stillwater, OK (2014-2017)

HDFS 3513: Research Methods in Human Development and Family Science (Fall 2017)

HDFS 4423: Family Risk and Resilience (Spring 2017)

HDFS 3513: Research Methods in Human Development and Family Science (Fall 2016)

HDFS 5543: Coping with Family Crises (Spring 2016)

Department of Psychology, Husson University, Bangor, ME (Fall 2013)
PSY 111: Introduction to Psychology

Department of Psychology, University of Maine, Bangor, ME (2011-2012)
PSY 100: General Psychology (Spring 2012; Fall 2012)
PSY 320 & 321: Child Study Laboratory I & II (Fall 2010- Fall 2012)
PSY 241: Statistics in Psychology (Fall 2011)

Upward Bound Math/Science Program, University of Maine, Orono, ME (Summer 2011)

SCHOLARSHIP

PEER-REVIEWED JOURNAL ARTICLES

(*INDICATES STUDENT CO-AUTHOR)

- Liu, C., & Waltz, K.* (2024). Unveiling the tapestry of mother–child interactions through text mining and sentiment analysis. *International Journal of Behavioral Development, 0(0)*.
- Liu, C., & Chen, C.* (2024). Text mining and sentiment analysis: a new lens to explore the emotion dynamics of mother-child interactions. *Social Development, e12733*.
- Liu, C., Younkin, F., Hardman, M.*, Buchanan, B.*, Nugent, N.*, Pettus, M.*, & Lawrence, B.* (2021). The longitudinal relations between disciplinary practices and emotion regulation in early years. *Personal Relationships, 28*, 860–882.
- Croff, J., Cox, R., Washburn, I., Liu, C., & Broadbent, C. (2020). Multilevel effects of alcohol among early adolescents in an urban school district. *The International Journal of Alcohol and Drug Research, 8*, 88-94.
- Henry, C. S., Spencer, T. A., Liu, C., & Plunkett, S. W. (2020). Factor structure and reliability of the advantages of children scale with Latino and Caucasian male emerging adults. *Marriage and Family Review, 56*, 174-191.
- Croff, J. M., Washburn, I. J., Cox R. B., & Liu, C. (2018). Modelling opportunity: An examination of quadratic effects of adolescent Venezuelan substance use. *Drug and Alcohol Review, 37*, 865-873.
- Henry, C. S., Bámaca-Colbert, M. Y., Liu, C., Kern, B. L., Plunkett, S. W., Washburn, I. J., Behnke, A. O., & Gorham, L. J. (2018). Parenting behaviors, neighborhood quality, and substance use in 9th and 10th grade male Latinos. *Journal of Child and Family Studies, 27*, 4103–4115.
- Criss, M., Smith, A., Morris, A., Liu, C., & Hubbard, R. (2017). Parents and peers as protective factors among adolescents exposed to neighborhood risk. *Journal of Applied Developmental Psychology, 53*, 127-138.
- Croff, J. M., Washburn, I. J., Cox R. B., & Liu, C. (2018). Modelling opportunity: An examination of quadratic effects of adolescent Venezuelan substance use. *Drug and Alcohol Review, 37*, 865-873.
- Liu, C., Washburn, I., Cox, R., Croff, J., & Crethar, H. (2017). The effects of requiring parental consent for research on adolescents’ risk behaviors: A meta-analysis. *Journal of Adolescent Health, 61*, 45-52. doi:10.1016/j.jadohealth.2017.01.015
News report of this study: Rapaport, L. (2017, April 6). How consent requirements may shape teen mental health research. *Reuters Health*. Retrieved from

<http://www.reuters.com/article/us-health-adolescents-parental-consent/how-consent-requirements-may-shape-teen-mental-health-research-idUSKBN1782K4>

- Cox, R., Croff, J., Washburn, I., & Liu, C. (2016). Opportunities to use drugs and the transition to drug use among adolescents from Caracas, Venezuela. *Journal of Ethnicity in Substance Abuse, 16*, 246-260.
- Liu, C., & LaFreniere, P. (2014). The effects of age-mixing on peer cooperation and competition. *Human Ethology Bulletin, 29*, 4-17.
- Liu, C., & Mei, J. (2009). The relationship between children's depression and children's social desirability. *Chinese Journal of Child Health Care, 17*, 503-505.

BOOK CHAPTERS

- Harrist, A. W., Henry, C. S., Liu, C., & Morris, A. S. (2018). The third wave of family resilience research. In B. H. Fiese (Ed.), *APA handbook of contemporary family psychology*. Washington, DC: American Psychological Association.
- Harrist, A. W. & Liu, C. (2018). Parent-child synchrony. In M. H. Bornstein (Ed.), *The SAGE encyclopedia of lifespan human development*. Los Angeles, CA: Sage.

PRESENTATIONS

(*INDICATES STUDENT CO-AUTHOR)

- Reilly, K. *, Alberghene, V. *, Hannon, B. *, Beideslschies, C. *, & Liu, C. (2024, April). *The influences of task difficulty and engagement level on individuals' perception of time*. Poster presented at the annual conference of Midwestern Psychological Association, Chicago, IL.
- Riley, R. *, Tate, E. *, Burger, M. *, Kinion, H. *, & Liu, C. (2024, April). *The halo effect and perceived intelligence*. Poster presented at the annual conference of Midwestern Psychological Association, Chicago, IL.
- Hernandez, M. *, Case, K. *, Hancock, D. *, Kee, A. *, & Liu, C. (2024, April). *Genres of instrumental background music and their influence upon task concentration*. Poster presented at the annual conference of Midwestern Psychological Association, Chicago, IL.
- Liu, C. (2024, April). *Emotional dynamics in mother-child interactions: Insights from text mining*. Paper presented at the annual conference of Midwestern Psychological Association, Chicago, IL.
- Liu, C., Yajun, L., & Littleton, J. * (2023, April). *Contagion Mechanism of Psychological Functioning in a Temporal Network*. Paper presented at the annual conference of Midwestern Psychological Association, Chicago, IL.
- McNett, H. *, Price, A. *, Sowell, S. *, Reilly, K. *, Seefried, A. *, Liu, C., & Younkin, F. (2023, April). *A quantitative study on the correlation between body image comparison and social networking usage*. Poster presented at the annual conference of Midwestern Psychological Association, Chicago, IL.
- Bachowski, A. *, Henry, M. *, Vaflor, A. *, Wacome, C. *, Wong, J. *, Younkin, F., & Liu, C. (2022, April). *Secondary data analysis: Children as storytellers & listeners in peer-to-peer interactions*. Poster presented at the annual conference of Midwestern Psychological Association, Chicago, IL.

- Lemacks, M. *, Burtnett, L. *, Barrett, S. *, Vaalburg, K. *, Fowler, M. *, & Seals, T. *, & Liu, C. (2022, April). *Distracted, Stressed, and Confused: The combined effects of distraction and stress on memory retention*. Poster presented at the annual conference of Midwestern Psychological Association, Chicago, IL.
- Liu, C., Oliver, J. *, Morris, K. *, Barrett, S. *, & Plunkett, S. (2022, April). *Psychometric Validation of three interparental conflict scales*. Poster presented at the annual conference of Midwestern Psychological Association, Chicago, IL.
- Wong, C. H. *, Bachowski, A. *, McClain, M. *, Ward, E. *, Condon, M. *, Injeti, E., & Liu, C. (2022, April). *Effect of Negative Expectancy on Physiological Responses to Essential Oil*. Poster presented at the annual conference of Midwestern Psychological Association, Chicago, IL.
- Liu, C., Younkin, F., Hardman, M. *, Buchanan, B. *, Nugent, N. *, Pettus, M. *, & Lawrence, B. * (2020, November). *The Longitudinal Profile of Parent Disciplinary Practices across the First Few Years of Children's lives*. Poster presented at the annual meeting of the National Council on Family Relations, St. Louis, MO.
- Paulding, M. *, Shinkle, M. *, Bendorf, I. *, Tremitedi, N. *, Liu, C., Younkin, F. (2019, April). *Residential mobility and adolescent achievement: The mediating effect of parental involvement*. Poster presented at the annual convention of Ohio Psychological Association, Columbus, OH.
- Henry, C. S., Spencer, T.A., & Liu, C. (2018, November). *A new measure for assessing parents' perceptions of the value of children*. Paper presented at the annual conference of National Council on Family Relations, San Diego, CA.
- Liu, C., Broadbent, C., Cox, R., Washburn, I., Croff, J., & Atilas, J. (2017, November). *A test of the adequacy of three common core youth measures with Latino immigrant youth*. Paper presented at the annual meeting of the National Council on Family Relations, Orlando, FL.
- Liu, C., Criss, M., & Morris, A. (2017, November). *The influence of neighborhood, family, peer, and developmental transition on adolescent's sleep: A multilevel prediction*. Poster presented at the annual meeting of the National Council on Family Relations, Orlando, FL.
- Liu, C., Criss, M., Morris, A., Hubbard, R., & Rudloff, K. (2017, April). *The influence of neighborhood, family, and peer factors on adolescent sleep quality among low-income families*. Paper presented at the biennial meeting of the Society for Research in Child Development, Austin, TX.
- Liu, C., Washburn, I., Cox, R., Croff, J., & Crethar, H. (2016, November). *The effects of requiring parental consent for research on adolescents' risk behaviors: A meta-analysis*. Poster presented at the annual meeting of the National Council on Family Relations, Minneapolis, MN.
- Swindle, T., Larzelere, R., & Liu, C. (2016, September). *Best practices in mediation analysis: Current usage in developmental science*. The Developmental Methods Conference. Whitefish, MT.
- Liu, C., Harrist, A., Carrillo, S., & Cookston, J. (2016, March). *"Daddy does it differently!" Mother's and father's roles enacted during play: Differences and differential predictions*. Paper presented at the biennial meeting of the Society for Research in Human Development, Denver, CO.

Liu, C., & Larzelere, R. E. (2015, May). *Parenting predicts preschoolers' effortful control but not vice versa: A cross-lagged panel analysis on precursors of behavior problems*. Poster presented at the annual meeting of the Association for Psychological Science, New York, NY.

Harrist, A., Rutledge, J., Liu, C., & Lin, H. (2015, March). *Inter-parent conflict tactics predict children's relationally but not physically aggressive social problem solving*. Poster presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.

RESEARCH EXPERIENCE

Graduate Research Associate (2014-2018)

Department of Human Development and Family Science, Oklahoma State University, Stillwater, OK

Principal Investigator (Designed & implemented the following research projects; 2010-2013)

Psychology Department, The University of Maine, Orono, ME

Cooperative Learning of Young Children (April 2012-April 2013)

Descriptive Analysis of Children's Play (September 2010-March 2011)

Principal Investigator (Designed & implemented the following research project; 2009)

Psychology Department, Beijing Normal University Zhuhai Campus

Children's Depression and the Promotion of Children's Positive Growth

(March 2009-October 2009)

SERVICE

PROFESSIONAL

- Society for Child Development (Member, 2016-present)
- Society for Human Development (Member, 2016-present)
- National Council on Family Relations (Member, 2016-present)
- Journal of Adolescent Health (Reviewer, April 2019)
- Journal of Drug Issues (Reviewer, July 2018)
- The International Society for Human Ethology (Member, 2011-2014)

OKLAHOMA STATE UNIVERSITY

- Graduate and Professional Student Government Association (Fall 2016)
- Logistics assistant for the Chautauqua Conference on Family Resilience (November 2015)

COMMUNITY OUTREACH

- Preventing School Bullying, Workshop presentation at Payne County Courts Office, Stillwater OK (March 2017)
- Protect right or silence voice? The effect of requiring parental consent on adolescents' report of risk behaviors: A meta-analysis, Workshop presentation in the college of Human Sciences for new building grand opening event (February, 2017)

INVITED GUEST SPEAKER

- PSYCH 1000-Orientation to Psychology, Cedarville University (November 2018)
- PSY 737-Observation of Children & PSY 739-Technical Writing, San Francisco State

University (October 2016)

SKILLS

RESEARCH SKILLS

- **Software:** SPSS, STATA, Mplus, R, Python, LaTeX
- **Methods:** multiple regression, hierarchical linear modeling, structural equation modeling, meta-analysis, log-linear analysis

LEARNING MANAGEMENT ONLINE SYSTEMS

- Brightspace, Canvas, Blackboard, Moodle

LANGUAGES

- English: Fluent
- Mandarin Chinese: Native

AWARDS

- **Virginia Stapley HDFS Scholarship** (2015), Oklahoma State University, \$1500 awarded.
- **Owen F. Aldis International Scholarships** (2011), International Society for Human Ethology, \$8000 awarded – *“The goal of the award is to nurture excellence in human ethology by supporting students who are undertaking empirical research in human behavior, drawing on the repertoire of methods developed in biology and the human behavioral sciences.”*
- **Excellent undergraduate dissertation** (2009), Beijing Normal University Zhuhai Campus
- **Excellent student representative** (2006), Zhuhai Psychological Association