

Curriculum Vita

Yan Wang, M.S.; Ph.D.

Research Assistant Scientist

Department of Epidemiology

College of Medicine and College of Public Health and Health Professions

University of Florida

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Education

2013	Child and Family Studies, Syracuse University	Ph.D.
2008	Child and Family Studies, Syracuse University	M.S
2005	Psychology, Peking University (China)	B.S.

Areas of Specialization/Interests

Etiology and intervention research on health risk behaviors; HIV and alcohol; application of new technology (e.g., biosensor, EMA) for alcohol measurement and intervention; resilience; personal social capital; migrants/immigrants; advanced statistical modeling (moderated mediation, cusp catastrophe modeling, PDES modeling, trifactor modeling, etc.); and survey research methods.

Certifications

College Teaching Certificate: Granted by Syracuse University, 2010

Quality Infant Care Certificate: Granted by Dr. Alice S. Honig for participation in Quality Infant Care Workshop, 2006

Honors and Awards

2016	Matilda White Riley Early Stage Investigator Honor	NIH/OBSSR
2016	Nominated to Who's Who in America	Marquis Who's Who
2016	Nominated as APS Rising Star	Association of Psychological Science
2012	Nominated to membership at the Honor Society of Phi Kappa Phi for outstanding academic achievements (top 10% at the University)	Syracuse University
2011	Doctorate Award for Research Excellence	Syracuse University
2010	Outstanding Teaching Assistant Award	Syracuse University
2008	Master's Award for Research Excellence	Syracuse University
2005-2008	University Fellowship	Syracuse University
2003-2004	Guanghua Scholarship	Peking University
2001-2003	Wusi Scholarship	Peking University

Academic Positions/Employment

- 2016 - Research Assistant Scientist, Epidemiology, University of Florida
- 2014 - 2016 Post-doctoral associate, Epidemiology, University of Florida
- 2009 Adjunct instructor, University College of Syracuse University

College Level Teaching Experiences

Independent Teaching:

- Fall 2009: Instructor of CFS363-Introduction to Gerontology, University College of Syracuse University, 35 students
- Spring 2009: Instructor of CFS345-The Developing Infant, University College of Syracuse University, 18 students

Guest Lectures:

- February 12th, 2008: Guest speaker, CFS 667-Children and Families across Cultural Perspectives, Topic: Chinese families
- November 5th, 2008: Guest speaker, CFS 467-Children and Families across Cultural Perspectives, Topic: Chinese families
- November 10th, 2008: Guest speaker CFS 467-Children and Families across Cultural Perspectives, Topic: Japanese families
- April 6th, 2006: Guest speaker, CFS 447- Principles & Practice in Parenting, Topic: Middle Age, Older Parenthood & Grandparenting
- March 3rd, 2006: Class presentation, CFS 447- Principles & Practice in Parenting, Topic: Parents & School-Aged Children

College Teaching Training Program:

- September 2007-Spring2010: Enrolled in Future Professoriate Program (FPP), Syracuse University.

Teaching Assistantship:

- Summer 2016: Teaching assistant, PHHP6001-Epidemiology Methods II, University of Florida
- Spring-Fall 2010: Teaching assistant, CFS631-Research Methods, Syracuse University
- Spring 2009: Teaching assistant, CFS400-Immigrant Families, Syracuse University
- Fall 2008: Teaching assistant, CFS345-The Developing Infant and CFS467-Children and Families across Cultural Perspectives, Syracuse University

Early Childhood Education Experience

Fall 2006-Spring 2007: Teaching associate, preschool classroom, Bernice M. Wright Child Development Laboratory School, Syracuse NY.

Peer-Reviewed Publications

1. Chen, X., Yu, B., **Wang, Y.** (2017). Initiation of electronic cigarette use by age among youth in the United States. *American Journal of Preventive Medicine*. <https://doi.org/10.1016/j.amepre.2017.02.011> (IF: **4.465**)
2. **Wang, Y.**, Chen, X., Gong, J., Yan, Y. (2016). Relationships between stress, negative emotions, resilience, and smoking: Testing a moderated mediation model. *Substance Use and Misuse*, 51(4):427-38. (Impact factor: **1.234**)
3. Liu, Y., Chen, X., Li, S., Yu, B., **Wang, Y.**, Yan, H. (2016). Path analysis of acculturative stress components and their relationship with depression among international students in China. *Stress and Health*, doi: 10.1002/smi.2658. (Impact factor: **1.814**)
4. **Wang, Y.**, Chen, X. (2015). Stress and Alcohol Use in Rural Chinese Residents: A Moderated Mediation Model Examining the Roles of Resilience and Negative Emotions. *Drug and Alcohol Dependence*, 155, 76-82. <http://dx.doi.org/10.1016/j.drugalcdep.2015.08.014> (Impact factor: **3.423**, 5-year impact factor: 3.90. This article received the Matilda White Riley Early Stage Investigator Honor by National Institutes of Health Office of Behavioral and Social Sciences Research. I was invited to write a post for their official blog based on my research findings.)
5. Chen, X., **Wang, Y.**, Li, F., Gong, J., Yan, Y. (2015). Development and evaluation of the Brief Sexual Openness Scale: A construal level theory based approach. *PLoS ONE*, 10(8): e0136683. doi:10.1371/journal.pone.0136683 (Impact factor: **3.234**. The method we developed is a cost-effective way to obtain more reliable and valid answers in sensitive surveys. I was invited to write a post on the NIH/OBSSR official blog to introduce this method.)
6. Chen, X., **Wang, Y.**, Yan, Y. (2015). The Essential Resilience Scale: Instrument Development and Prediction of Perceived Health and Behavior. *Stress and Health*, DOI: 10.1002/smi.2659 (Impact factor: **1.814**. This article received high level of attention since its e-publishing. I continuously receive request for the scale we developed from Researchgate.net.)
7. Wang, Y., Chen, X., Li, X., **Wang, Y.**, Qiao, S. Zhou, Y., Shen, Z (2016). Cigarette smoking among Chinese PLWHA: An exploration of changes in smoking after being tested HIV positive. *AIDS care*, 12, 1-5. (Impact factor: **2.095**)
8. Roopnarine, J.L., **Wang, Y.**, Krishnakumar, A. (2015). Moderating Role of Social Support on the Associations between Individual Level Factors and Depressive Symptoms in Young Adults in Guyana and Trinidad and Tobago. *West Indian Medical Journal*, DOI: 10.7727/wimj.2015.355
9. **Wang, Y.**, & Krishnakumar, A. (2014). Parenting practices and adolescent smoking behaviors in Chinese society: the mediating role of smoking-related cognitions. *Journal of Adolescence*, 37(6), 915-925. (Impact factor: **1.957**, 5-year impact factor: 2.638. This article was recently included in a metaanalysis study on parent-child relationship done by a researcher at University of Michigan.)
10. Roopnarine, J.L., **Wang, Y.**, Krishnakumar, A., & Davidson, K. (2013). Parenting practices in Guyana and Trinidad and Tobago: Connections to preschoolers social and cognitive skills. *InterAmerican Journal of Psychology*, 47(2), 313-328.
11. **Wang, Y.**, & Su, Y. (2004). Development of children's conformity behaviors in a cultural perspective. *Chinese Journal of Applied Psychology*, 10(4), 44-48. (This journal is the top-rated Chinese journal of applied psychology).

Under review/revision

1. **Wang, Y.**, Chen, X., Yu, B. (under review). Modeling Quantum Characteristics in Safer Sexual Practice among U.S. Adolescents. *Psychological Methods* (IF: **4.67**).
2. **Wang, Y.**, Chen, X., Hahn, J. A., Brumback, B., Zhou, Z., Miguez, M. J., & Cook, R. L. (revision). Phosphatidylethanol (PEth) in verifying self-reported alcohol consumption among HIV-infected women in a randomized controlled trial of Naltrexone for reducing hazardous drinking. *Alcoholism: Clinical and Experimental Research* (IF: **2.72**).
3. **Wang, Y.**, Chen, X., Ball, J., Li, X., Zhou, Y., Shen, Z. (under review). Change in Alcohol Use Behavior among Persons Living with HIV/AIDS in China after Receiving their HIV-Positive Diagnosis. *Sage Open Medicine*.
4. Chen, X., **Wang, Y.**, Leeman, R., Li, F., & Zhao, J. (under review) Video-assisted topographical measurement of cigarette smoking behavior: Exploration of an objective approach to evaluate nicotine dependence. *Psychopharmacology* (IF:**3.31**).
5. Yu, B., Chen, X., Stanton, B., Chen, D-G., Xu, Y., **Wang, Y.** (revised submission). Chained quantum changes from HIV knowledge and condom-use skills to condom-use intention among Bahamian high school students: The central role of peer influence and self-efficacy. *Journal of Adolescent Health* (IF: **3.97**).
6. Xu, Y., Xiao, H., Humaer, A., **Wang, Y.**, Li, S., Chen, X., Yu, B., Yan, H. (revised submission). Acculturation, Acculturative Stress and Depressive Symptoms among Kazakh Students from Xinjiang, China: A Mediation Modeling Analysis. *International Journal of Intercultural Relations*.
7. Zhang, J., **Wang, Y.** (revised submission) Emotion, experience and decision making: a test of appraisal tendency framework on conflict resolution task performed by professional air traffic controllers. *Emotion*.

In preparation

1. **Wang, Y.** & Chen, X. The different pathways leading to alcohol dependence for male and female rural-to-urban migrants in China: The roles of social capital and depression. Plan to submit to *Drug and Alcohol Dependence* (Impact factor: 3.349)
2. **Wang, Y.** Chen, X. Reducing Social Desirability Bias in Survey Study: Application of a Construal Level Theory-Based Method in Assessing Sexual Openness among Chinese Rural Residents.
3. **Wang, Y.**, Krishnakumar, A., Narine, L. Socio-Cultural, Contextual, and Familial Influences on Chinese Adolescents Smoking Behaviors: Smoking-Related Cognitions as Mediators and Moderators. Plan to submit to *Journal of Child and Family Studies*

Book Chapter

Yu, B., Chen, X., & **Wang, Y.** (2015). Moderated Mediation: Special Case of Complex Causal Relationship. *Advanced Methods for Analyzing Epidemiology Data* (In preparation).

Peer-Reviewed Conference Symposium

1. **Wang, Y.**, Chen, D., Chow, S-M., Yu, B., & Chen, X. Capturing the quantum changes in human behavior: Innovative solutions to and practical application of the cusp catastrophe modeling. Symposium accepted by the 2017 Association for Psychological Science 29th Annual Convention, Boston, MA. **Role:** *Chair* and presenter.

Peer-Reviewed Conference Presentations

1. **Wang, Y.** & Chen, X. Condom use knowledge, risk perception, self-efficacy, and sexual risk behaviors: A concurrent and longitudinal cusp catastrophe modeling analysis using Add Health data. Oral presentation accepted by 2017 the 7th International Nonlinear Science Conference, Salzburg, Austria.
2. **Wang, Y.** & Chen, X. The different pathways leading to alcohol dependence for male and female rural-to-urban migrants in China: The roles of social capital and depression. Accepted for oral presentation at 2017 American Association of Behavioral and Social Sciences Conference, Las Vegas, NV.
3. Yu, B., Chen, X., **Wang, Y.**, & Stanton, B. Peer influence alters the associations between HIV knowledge and self-efficacy as well as self-efficacy and condom-use intention among adolescents: a moderated mediation modeling analysis. Accepted for oral presentation at 2017 American Association of Behavioral and Social Sciences Conference, Las Vegas, NV.
4. **Wang, Y.** & Chen, X. Using Cusp Catastrophe Model to Examine the Influences of Adolescent Attitude and Exposure to Environmental Tobacco Smoke on Their Own Smoking Behavior. Oral presentation accepted. The 31st International Congress of Psychology, July 21-24, 2016. Yokohama, Japan.
5. **Wang, Y.** & Chen, X. A Construal Level Theory Based Method to Improve Self-Reported Data Quality in Epidemiology Research: Sexual Openness in Rural Chinese Residents as an Example. Poster presented at the Epidemiology Congress of the Americas. June 21-24, 2016. Miami, FL, USA.
6. Yu, B., Chen, X., **Wang, Y.**, Hu, X. Mutual impact of the transition of cigarettes and marijuana use among adolescents and emerging adults in the United States: A probabilistic discrete event system modeling analysis. Poster presented at the Epidemiology Congress of the Americas. June 21-24, 2016. Miami, FL, USA.
7. Chen, X., Chen, D., Lan, G., & **Wang, Y.** (2015). Identify Partially Observed Markov-Systems for Studying the Dynamics of Adolescent Marijuana Use with Cross-Sectional Data. Oral presentation at the 25th Annual Conference of the Society for Chaos Theory in Psychology and Life Sciences, Gainesville, Florida
8. **Wang, Y.** & Chen, X. (2015). Can resilience buffer the mediation effect of negative emotions in linking stress with cigarette smoking? A moderated mediation modeling analysis. Presented at the 27th Annual Convention for Psychological Science, 2015, New York City, New York
9. Chen, X. & **Wang, Y.** (2015). Development and evaluation of the Brief Sexual Openness Scale: A construal level theory based approach. Presented at the 27th Annual Convention for Psychological Science, 2015, New York City, New York
10. **Wang, Y.** & Krishnakumar, A. (2014). Understanding How Smoking-Specific Parenting Influence Adolescent Smoking in China: A Mediation Model Based on the Theory of Planned Behavior. Oral presentation at the 28th International Congress of Applied Psychology, Paris, France.
11. **Wang, Y.** & Krishnakumar, A. (2013). Understanding How Parenting Impacts Adolescent Smoking in China: A Mediation Model Based on the Theory of Planned Behavior. Accepted for poster presentation at the 2013 Society for Research in Child Development Biennial Meeting.
12. **Wang, Y.** & Krishnakumar, A. (2012). Socio-cultural influences on adolescent smoking in China: the mediating role of smoking-related cognitions. Accepted for paper presentation at the 30th International Congress of Psychology, 2012.

13. **Wang, Y.** & Krishnakumar, A. (2012). Parenting practices and adolescent smoking behaviors in mainland China: the mediating role of smoking-related cognitions. Accepted for poster presentation at the 120th Annual Convention of the American Psychological Association, 2012
14. **Wang, Y.** & Krishnakumar, A. (2012). Socio-cultural influences on adolescent smoking behaviors in Chinese society: the mediating role of smoking-related cognitions. Poster presented at the 14th Society for Research on Adolescence Biennial Meeting, 2012.
15. **Wang, Y.** & Krishnakumar, A. (2010). Chinese parenting typologies and children's socio-emotional outcomes. Poster presented at the 72nd National Council on Family Relations Annual Conference, 2010.
16. **Wang, Y.** & Krishnakumar, A. (2009). The interplay of grandparents, parents, and children in Chinese families. Poster presented at the 71st National Council on Family Relations Annual Conference, 2009.

Current Research Support

UF Shands Quasi Endowment Fund (PI: Yan Wang), “Improving alcohol use screening among HIV infected patients through advanced psychological testing” 2017/04-2018/04, Role: PI.

This project aims to test the effectiveness of implicit association test (IAT) in improving alcohol use screening in the primary care setting. The two primary goals include: (1) establish the procedure for alcohol IAT to be used among HIV-infected patients; (2) test the validity of alcohol IAT for screening alcohol use using alcohol biosensor and ecological momentary assessment (EMA).

NIH/HICHD R01 HD 075635 (PI: Xinguang Chen), “Modeling quantum change in adolescent sexual initiation and condom use” 2013/07-2018/08, Role: CO-I.

The study aims to develop the cusp catastrophe modeling method, including software for analysis of HIV risk behaviors in adolescents and apply the method to analyze data from the National Longitudinal Survey of Youth 1997 and two randomized controlled data of ours to demonstrate the utility of the cusp modeling methodology.

NIH/HIAAA U01 AA020797-06 (PI: Robert Cook), “Effects of experimentally-induced reductions in alcohol consumption on brain cognitive, and clinical outcomes and motivation for changing drinking in older persons with HIV infection” 2011/09-2021/07, Role: CO-I.

The study aims to determine the extent to which marked reductions in alcohol consumption over 4-weeks via contingency management (CM) improves cognitive performance, brain functions and pathophysiology, and HIV-associated health outcomes.

NIH/HIAAA U24 AA022002-05 (PI: Robert Cook), “Southern HIV Alcohol Research Consortium (SHARC) admin and research support core” 2011/09-2021/07, Role: CO-I.

This U24 Core will support research that has significant impact by maximizing overall research productivity, increasing capacity to conduct clinical trials, enhancing collaborations, mentoring new researchers, and translating findings into clinical practice and public health settings that will improve health outcomes in persons with HIV and high-risk

alcohol comorbidities.

NIH/CTSI UL1TR001427 (PI: Xinguang Chen), “Exposure to Secondhand Smoke of Cigarettes and Marijuana in Young Children” 2017/05-2019/10, Role: CO-I (project coordinator).

Guided by the behavioral ecologic model of secondhand smoking, this project will address three aims: Build a multidisciplinary team and develop protocols and instruments for investigating SMS in young children; Conduct research to assess SMS and influential factors in children aged 1-5 with parent-child pairs from UF Health Shands Children’s Hospital; Obtain preliminary data supporting applications for extramural funding to further this research.

Pending Research Support

R01 TW010497 (PI: Samuel Wu) “New Statistical and Computing Technologies for Breaking the Barrier to Medical Data Sharing”. Previous impact score 41, percentile: 28%.

Role (Co-I, 25%): I will be in charge of the implementation of the new method for online data collection in the follow-up surveys among the Florida Cohort managed by the Southern HIV and Alcohol Research Consortium.

Completed Research Support

NIH/NIMH R01 MH086322 (PI: Xinguang Chen), “Social capital and HIV risk behavior among rural migrants in China” 2010/04-2016/04, Role: Co-I

This study aims to obtain random samples using PIS/GPS technology to describe the prevalence of HIV risk behavior among rural migrants in China and to assess migration-related social capital change as it related to the risk behaviors for prevention intervention.

Dean Edith Smith Endowed Dissertation Grant (PI: Yan Wang), “Socio-cultural influences on adolescent smoking in mainland China: The mediating role of smoking-related cognitions”. 2011/09-2012/09, Role: PI.

The study aimed to examine the complex sociocultural, familial, and individual factors in shaping smoking behaviors among Chinese adolescents, as well as how smoking-related cognitions serve as the mediator in the complex relationships.

Professional Activities

2015 -: Member of the K-college (K-award grant writing club)

2015 -: Assistant to Current HIV Research guest editor on advanced methodology

2014 -: Coordinator of weekly seminar series for behavioral epidemiology research group

2008 - 2009: Doctoral Student Career Advisory Board member for Syracuse University

2008: Organizer and moderator of panel discussion: Surviving and thriving in a Doctoral Program: Advice from International Students, with Syracuse University Career Center

2004: Volunteer at 28th International Congress of Psychology (ICP) in Beijing, China

2004 - 2005: Volunteer for “Youth Development Hotline” at Peking University (Consulting service primarily designed to help freshmen adjust to college life)

Editorial Service: Associate Editor

2016 - : *Journal of Child and Family Studies*

Editorial Service: Assistant to Guest Editor

Current HIV Research: Special issue on advanced methodology for HIV research

Editorial Service: Ad Hoc Peer Reviewer

1. *Health Psychology*
2. *Social Indicators Research*
3. *Journal of Psychoeducational Assessment*
4. *Sexuality Research and Social Policy*
5. *International Journal of Environmental Research and Public Health*
6. *Journal of Child and Family Studies*
7. *Family Relations*
8. *Journal of Social Science Studies*
9. *Journal of Pulmonary & Respiratory Medicine*
10. *PLOS One*
11. *National Council on Family Relations Annual Conference (2010)*

Professional Memberships

2016 -	Member, Society for Epidemiologic Research
2015 - 2016	Member, Association of Psychological Science
2013 - 2014	Member, International Association of Applied Psychology
2013 - 2014	Member, Society of Research on Child Development
2012 - 2013	Member, Society of Research on Adolescence
2012 - 2013	Member, American Psychological Association
2009 - 2010	Member, National Council of Family Research

Detailed Research Experiences

September 2014-2016: Post-doctoral research scholar at University of Florida. Working as CO-I on two NIH funded research projects on social capital and risk behaviors and quantum changes of adolescent sexual risk behaviors. Assisting new NIH grant proposal writing and preliminary data analysis using national datasets such as NSDUH and NYTS.

December 2015-present: Co-investigator for “assessment of errors in alcohol use measurement with latent variable approach” in the NIH funded project “Pharmacotherapy for alcohol consumption in HIV-infected women: Randomized trial”.

September 2015-present: Member of Southern HIV and Alcohol Consortium (SHARC) funded by NIH. Participate in discussions about grant renewal concept proposals, working group meetings, and data analyzing ideas.

2013-Spring 2014: Perform data analysis on multiple data sets including data from China, Trinidad and Tobago, and Guyana, and write papers for publications on professional journals.

2011-2012: Conducted dissertation research on parenting, social influences and adolescent smoking based on data collected from over 1,200 adolescents and 900 parents.

Fall 2010-Spring 2011: Research assistant for College of Human Ecology Research Center, worked on multiple projects in the areas of public health and sports management. Responsibilities include literature review, data entry, and data analysis.

Fall 2010: Independent research project on college students’ mate preferences and romantic relationships in mainland China.

Spring 2010: Research assistant for Dr. Jaipual Roopnarine, conducted data analysis for research studies on parenting practices and child outcomes in Trinidadian families and Malaysian families.

Summer 2007-Summer 2008: Conducted research for Master’s thesis on the relationships between grandparents, parents, and grandchildren in 200+ Chinese families.

Summer 2006-Summer 2007: Conducted research on Chinese toddlers’ mothers and fathers’ parenting practices, under the supervision of Dr. Alice S. Honig.

Fall 2005 – Summer 2006: Research Assistant—Department of Child and Family Studies, Syracuse University. Responsibilities include transcribing interviews, translating research documents, training interviewers for cooperative research project at Peking University in China.

Fall 2003 – Spring 2005: Undergraduate research: Department of Psychology, Peking University. Independent research and publication focused on children’s conformity behaviors and the influences of cultural values on children’s socio-emotional development.