

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

HIV and substance use; etiology and intervention research on health risk behaviors; application of new technology (e.g., biosensor, EMA) for health behavior monitoring 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

Current Position

Research Assistant Scientist, Department of Epidemiology, University of Florida

Employment History

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. Yu, B., Chen, X., **Wang, Y.** (2018). Dynamic transitions between marijuana and cigarette smoking among US adolescents and emerging adults: Modelling data from the National Survey on Drug Use and Health. *American Journal of Drug and Alcohol Abuse*, DOI: 10.1080/00952990.2018.1434535
2. **Wang, Y.**, Chen, X., Ball, J., Li, X., Zhou, Y., Shen, Z. (2018). Change in alcohol use behavior among people living with HIV in China after receiving their HIV-positive diagnosis. *Sage Open Medicine*, 2018; 6: 2050312118755783. doi: 10.1177/2050312118755783
3. **Wang, Y.**, Chen, X., Hahn, J. A., Brumback, B., Zhou, Z., Miguez, M. J., & Cook, R. L. (2017). 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*, 42(1), 128-134. doi: 10.1111/acer.13540 (IF: 2.72).
4. Chen, X., **Wang, Y.*** (2017). E-cigarettes for smoking cessation: A claim with insufficient evidence but makes tobacco control more challenging. *American Journal of Preventive Medicine*. (IF: 4.465) (*corresponding author)
5. 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*, 53(3), 396-399. <https://doi.org/10.1016/j.amepre.2017.02.011> (IF: 4.465) (*corresponding author)
6. **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)
7. 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)
8. **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.)
9. 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.)
10. 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)
11. 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**)
12. 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
 13. **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.)
 14. 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.
 15. **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.**, Fridberg, D. J., Leeman, R. F., Cook, R. L., & Porges, E. C. (Invited submission for special issue on alcohol biosensor). Wrist-Worn Alcohol Biosensors: Strengths, Limitations, and Future Directions. *Alcohol*
2. Chen, X., Bauer, D., **Wang, Y.***, Pan, Y. (under review). Application of construal-level theory in reducing social desirability bias for sensitive topics: An example of sexual openness in urban Chinese. *Survey Research Methods* (IF: **3.60**) (*corresponding author)
3. Chen, X., **Wang, Y.***, Leeman, R., Li, F., & Zhao, J. (submitted) Video-assisted topographical measurement of cigarette smoking behavior: Exploration of an objective approach to evaluate nicotine dependence. *Behavior Research Methods* (IF:**3.62**). (*corresponding author)
4. 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 Adolescence*.
5. 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*.
6. Zhang, J., **Wang, Y.** (under review) Emotion, experience and decision making: a test of appraisal tendency framework on conflict resolution task performed by professional air traffic controllers. *Frontiers in Psychology*.

In preparation

1. **Wang, Y.**, Chen, X., Yu, B. Modeling quantum characteristics in safer sexual practice among U.S. adolescents.
2. **Wang, Y.**, Zhou, Z., Miguez, M. J., & Cook, R. L. Temporal relationships between depression

and alcohol use among women living with HIV in a randomized clinical trial of Naltrexone for reducing hazardous drinking .

3. **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.
4. **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.

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).

Conference Symposium/Workshops

1. Luczack, S. E., **Wang, Y.**, Fairbairn, C. E.A., Swift, R., Barnett, N. Using alcohol biosensor hardware and software in research: Options and applications. Workshop proposal accepted by the Research Society on Alcoholism (RSA) 41st Annual Scientific Meeting, San Diego, CA. **Role:** Presenter
2. **Wang, Y.**, Cheong, J., Villalba, K., Nixon, S. J. HIV and substance use among women: Challenges and opportunities for intervention. Symposium accepted by the 2018 Collaborative Perspectives on Addiction Meeting, Tampa, FL. **Role:** *Chair* and presenter.
3. **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.

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).

SHARC Pilot Fund (PIs: Yan Wang & Eric Porges), “Using wearable biosensor to improve alcohol monitoring and intervention among persons living with HIV” 2017/09-2018/09, Role: PI.

This project will serve as a pilot study to evaluate the reliability and validity of a newly developed wrist worn alcohol biosensor among persons living with HIV, and also assess the acceptability and usability of the device for potential application in intervention.

NIH/HIDA R01 DA042069 (PI: Robert Cook), “Health outcomes and cognitive effects of marijuana use among persons living with HIV/AIDS” 2017/08-2022/03, Role: Co-director of the project.

The overarching goals of this study are to obtain evidence regarding the influence of marijuana on major health outcomes and behavior in PLWH in order to help guide clinical recommendations and identify risk factors for consequences. A specific focus of this project is the relationship of marijuana to novel aspects of cognitive function (e.g. motivation, intention, planning) and to systemic inflammation.

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/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.

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.

Pending Research Support

R21 1R21AA027191-01 (PI: Yan Wang) “Laboratory and field validation of a wrist worn alcohol biosensor among persons living with HIV”, Role (PI, 40%)

This project will evaluate the reliability and validity of a newly developed wrist worn alcohol biosensor among persons living with HIV, and also assess the acceptability and usability of the device for potential application in intervention.

U01 RFA-OD-17-004 (PI: Todd Manini) “The Florida Intensive Health Choices Study”, Role (Co-I, 10%)

This project will use advanced wearable technologies to provide new knowledge about the person and contextual factors associated with these unhealthy behaviors individually and as part of behavioral risk bundles. New interventions to combat these unhealthy behaviors are expected to result from these efforts.

R01 (PI: Xinguang Chen) “A new method to correct social desirability bias in HIV survey research”, Role (Co-I, 30%)

This project will evaluate a construal level theory based method in survey studies to obtain more reliable data on sensitive topics (sex, alcohol, drugs, stigma, condom use etc.) in survey studies for HIV research.

R01 (PI: Xinguang Chen) “Social and phylogenetic study of an HIV-1 hotspot in Wuhan. China”, Role (Co-I, 20%)

The primary goal of this project is to investigate an outbreak of the HIV-1 epidemic in an inland provincial capital city in China with a blended social and phylogenetic approach.

Completed Research Support

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/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