

CURRICULUM VITAE

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* denote quantitative advisees

† denote quantitative graduate students or postdocs

ACADEMIC APPOINTMENTS

Assistant Professor, Quantitative Methods, Vanderbilt University, Nashville, TN (2011 – present)

Assistant Professor, Quantitative Psychology, University of Kansas, Lawrence, KS (2006 – 2011)

EDUCATION

Individual NRSA Postdoctoral Fellowship, Quantitative Methodology, University of North Carolina at Chapel Hill (2003 – 2006); sponsors: Patrick J. Curran and Kenneth A. Bollen

Ph.D., Quantitative Psychology, Ohio State University (1998 – 2003) (Minor: Social Psychology); advisor: Robert MacCallum

M.A., Experimental Psychology, College of William & Mary (1996 – 1998); advisor: Constance Pilkington

B.A., Psychology, North Carolina State University (1992 – 1996)

AWARDS

Fellow, American Psychological Association Division 5 (September, 2011).

Governor's Conference Award for Exemplary Service to Children & Families (November, 2011).

Awarded by Kansas Children's Service League for Counts, Buffington, Chang-Rios, Rasmussen, & Preacher (2010). *The development and validation of the Protective Factors Survey: A self-report measure of protective factors against child maltreatment.*

Best Student Poster Award (2011). Best Division 5 poster in the 2011 American Psychological Association convention for: †Geldhof & Preacher (2011). *Multilevel reliability estimation within a multilevel confirmatory factor analysis framework.*

Docking Faculty Scholar Award (2009). Awarded by the University of Kansas Endowment and the Docking Family for early career contributions.

Raymond B. Cattell Award for Outstanding Early-Career Contributions to Multivariate Experimental Psychology (2008). Awarded by the Society of Multivariate Experimental Psychology.

Anne Anastasi Early Career Award (2008). Awarded by the American Psychological Association Division 5: Evaluation, Measurement, & Statistics.

APS Student Research Award (2008). Awarded by the Association for Psychological Science for: †Gallagher, Lopez, & Preacher (2008). *The hierarchical structure of well-being.*

Best Paper Authored by a Student (2008). Awarded by the Research Methods Division of the Academy of Management for: Zhang, Zyphur, & Preacher (2008). *Testing multilevel mediation using hierarchical linear models: Problems and solutions.*

- Jeffrey S. Tanaka Award for the best paper published in 2006 in *Multivariate Behavioral Research*** (2007). Awarded by the Society of Multivariate Experimental Psychology for: Preacher (2006). *Quantifying parsimony in structural equation modeling.*
- Top Three Faculty Paper** (2006). Awarded by the Communication Theory and Methodology division of the Association for Education in Journalism & Mass Communication for: Hayes & Preacher (2006). *Bootstrapping specific indirect effects in multiple mediator models of media effects.*
- Postdoctoral Award for Research Excellence** (2005). University of North Carolina at Chapel Hill.
- Dissertation Award** (2004). Awarded by the American Psychological Association Division 5: Evaluation, Measurement, & Statistics.
- Herbert Toops Research Award for Creative Psychology Doctoral Dissertation Research** (2003). The Ohio State University.
- Jeffrey S. Tanaka Award for the best paper published in 2001 in *Multivariate Behavioral Research*** (2002). Awarded by the Society of Multivariate Experimental Psychology for: MacCallum, Widaman, Preacher, & Hong (2001). *Sample size in factor analysis: The role of model error.*

PROFESSIONAL PUBLICATIONS

Books

- Preacher, K. J.,** Wichman, A. L., MacCallum, R. C., & Briggs, N. E. (2008). *Latent growth curve modeling.* Thousand Oaks, CA: Sage Publications.

Peer-Reviewed Articles in Quantitative Psychology

- Kelley, K., & **Preacher, K. J.** (in press). On effect size. *Psychological Methods.*
- Zhang, G., **Preacher, K. J.,** & Jennrich, R. I. (in press). The infinitesimal jackknife with exploratory factor analysis. *Psychometrika.*
- Preacher, K. J.,** & Merkle, E. C. (in press). The problem of model selection uncertainty in structural equation modeling. *Psychological Methods.*
- Rigdon, E. E., **Preacher, K. J.,** Lee, N., Howell, R. D., Franke, G. R., & Borsboom, D. (2011). Avoiding measurement dogma: A response to Rossiter. *European Journal of Marketing, 45,* 1589-1600.
- Preacher, K. J.** (2011). Multilevel SEM strategies for evaluating mediation in three-level data. *Multivariate Behavioral Research, 46,* 691-731.
- Preacher, K. J.,** & Kelley, K. (2011). Effect size measures for mediation models: Quantitative strategies for communicating indirect effects. *Psychological Methods, 16,* 93-115.
- Rucker, D. D., **Preacher, K. J.,** Tormala, Z. L., & Petty, R. E. (2011). Mediation analysis in social psychology: Current practices and new recommendations. *Social & Personality Psychology Compass, 5/6,* 359-371.
- Preacher, K. J.,** Zhang, Z., & Zyphur, M. J. (2011). Alternative methods for assessing mediation in multilevel data: The advantages of multilevel SEM. *Structural Equation Modeling, 18,* 161-182.
- Preacher, K. J.,** Zyphur, M. J., & Zhang, Z. (2010). A general multilevel SEM framework for assessing multilevel mediation. *Psychological Methods, 15,* 209-233.
- Hayes, A. F., & **Preacher, K. J.** (2010). Quantifying and testing indirect effects in simple mediation models when the constituent paths are nonlinear. *Multivariate Behavioral Research, 45,* 627-660.
- Zhang, G., **Preacher, K. J.,** & Luo, S. (2010). Bootstrap confidence intervals for ordinary least squares factor loadings and correlations in exploratory factor analysis. *Multivariate Behavioral Research, 45,* 104-134.
- Zhang, Z., Zyphur, M. J., & **Preacher, K. J.** (2009). Testing multilevel mediation using hierarchical linear models: Problems and solutions. *Organizational Research Methods, 12,* 695-719.
- *Selig, J. P., & **Preacher, K. J.** (2009). Mediation models for longitudinal data in developmental research. *Research in Human Development, 6,* 144-164.

- Franke, G. R., **Preacher, K. J.**, & Rigdon, E. E. (2008). Proportional structural effects of formative indicators. *Journal of Business Research*, *61*, 1229-1237.
- Preacher, K. J.**, & Hayes, A. F. (2008). Asymptotic and resampling strategies for assessing and comparing indirect effects in multiple mediator models. *Behavior Research Methods*, *40*, 879-891.
- Preacher, K. J.**, Rucker, D. D., & Hayes, A. F. (2007). Addressing moderated mediation hypotheses: Theory, methods, and prescriptions. *Multivariate Behavioral Research*, *42*, 185-227.
- Little, T. D., **Preacher, K. J.**, *Selig, J. P., & Card, N. A. (2007). New developments in latent variable panel analyses of longitudinal data. *International Journal of Behavioral Development*, *31*, 357-365.
- Preacher, K. J.**, Curran, P. J., & Bauer, D. J. (2006). Computational tools for probing interaction effects in multiple linear regression, multilevel modeling, and latent curve analysis. *Journal of Educational & Behavioral Statistics*, *31*, 437-448.
- Preacher, K. J.** (2006). Quantifying parsimony in structural equation modeling. *Multivariate Behavioral Research*, *41*, 227-259.
- Preacher, K. J.** (2006). Testing complex correlational hypotheses using structural equation modeling. *Structural Equation Modeling*, *13*, 520-543.
- Bauer, D. J., **Preacher, K. J.**, & Gil, K. M. (2006). Conceptualizing and testing random indirect effects and moderated mediation in multilevel models: New procedures and recommendations. *Psychological Methods*, *11*, 142-163.
- ‡**Preacher, K. J.**, Rucker, D. D., MacCallum, R. C., & Nicewander, W. A. (2005). Use of the extreme groups approach: A critical reexamination and new recommendations. *Psychological Methods*, *10*, 178-192.
- Preacher, K. J.**, & Hayes, A. F. (2004). SPSS and SAS procedures for estimating indirect effects in simple mediation models. *Behavior Research Methods, Instruments, & Computers*, *36*, 717-731.
- Preacher, K. J.**, & MacCallum, R. C. (2003). Repairing Tom Swift's electric factor analysis machine. *Understanding Statistics*, *2*, 13-32.
- Preacher, K. J.**, & MacCallum, R. C. (2002). Exploratory factor analysis in behavior genetics research: Factor recovery with small sample sizes. *Behavior Genetics*, *32*, 153-161.
- MacCallum, R. C., Zhang, S., **Preacher, K. J.**, & Rucker, D. D. (2002). On the practice of dichotomization of quantitative variables. *Psychological Methods*, *7*, 19-40.
- MacCallum, R. C., Browne, M. W., & **Preacher, K. J.** (2002). Comments on the Meehl-Waller procedure for appraisal of path analysis models. *Psychological Methods*, *7*, 301-306.
- MacCallum, R. C., Widaman, K. F., **Preacher, K. J.**, & Hong, S. (2001). Sample size in factor analysis: The role of model error. *Multivariate Behavioral Research*, *36*, 611-637.

Peer-Reviewed Articles in Applied Psychology

- Counts, J. M., Buffington, E. S., Chang-Rios, K., Rasmussen, H. N., & **Preacher, K. J.** (2010). The development and validation of the Protective Factors Survey: A self-report measure of protective factors against child maltreatment. *Child Abuse & Neglect*, *34*, 762-772.
- Brener, L., von Hippel, W., Kippax, S., & **Preacher, K. J.** (2010). The role of physician and nurse attitudes in the health care of injecting drug users. *Substance Use & Misuse*, *45*, 1007-1018.
- Hawkley, L. C., **Preacher, K. J.**, & Cacioppo, J. T. (2010). Loneliness impairs daytime functioning but not sleep duration. *Health Psychology*, *29*, 124-129.
- Collins, N., Sachs-Ericsson, N., **Preacher, K. J.**, Sheffield, K. M., & Markides, K. (2009). Smoking increases risk for cognitive decline among community-dwelling older Mexican Americans. *American Journal of Geriatric Psychiatry*, *17*, 934-942.
- †Gallagher, M. W., Lopez, S. J., & **Preacher, K. J.** (2009). The hierarchical structure of well-being. *Journal of Personality*, *77*, 1025-1049.

‡ Reprinted in: Vogt, W. P. (Ed.) (2008). *Selecting research methods*. Thousand Oaks, CA: Sage Publications.

- Sawyer, K., Sachs-Ericsson, N., **Preacher, K. J.**, & Blazer, D. G. (2009). Racial differences in the influence of the APOE epsilon 4 allele on cognitive decline in a sample of community-dwelling older adults. *Gerontology, 55*, 32-40.
- Hamilton, N. A., Affleck, G., Tennen, H., Karlson, C., Luxton, D., **Preacher, K. J.**, & Templin, J. L. (2008). Fibromyalgia: The role of sleep in affect and in negative event reactivity and recovery. *Health Psychology, 27*, 490-497.
- Hamilton, N. A., †Gallagher, M., **Preacher, K. J.**, Stevens, N., Nelson, C. A., Karlson, C., & McCurdy, D. (2007). Insomnia and well-being. *Journal of Consulting & Clinical Psychology, 75*, 939-946.
- Sachs-Ericsson, N., Verona, E., Joiner, T., & **Preacher, K. J.** (2006). Parental verbal abuse and the mediating role of self-criticism in adult internalizing disorders. *Journal of Affective Disorders, 93*, 71-78.
- Klein, H. J., Fan, J., & **Preacher, K. J.** (2006). The effects of early socialization experiences on content mastery and outcomes: A mediational approach. *Journal of Vocational Behavior, 68*, 96-115.
- von Hippel, W., von Hippel, C., Conway, L., **Preacher, K. J.**, Schooler, J. W., & Radvansky, G. A. (2005). Coping with stereotype threat: Denial as an impression management strategy. *Journal of Personality & Social Psychology, 89*, 22-35.
- Kiecolt-Glaser, J. K., **Preacher, K. J.**, MacCallum, R. C., Atkinson, C., Malarkey, W. B., & Glaser, R. (2003). Chronic stress and age-related increases in the proinflammatory cytokine interleukin-6. *Proceedings of the National Academy of Sciences, 100*, 9090-9095.
- Cunningham, W. A., **Preacher, K. J.**, & Banaji, M. R. (2001). Implicit attitude measures: Consistency, stability, and convergent validity. *Psychological Science, 12*, 163-170.

Chapters

- Hayes, A. F., & **Preacher, K. J.** (in press). Conditional process modeling: Using structural equation modeling to examine contingent causal processes. To appear in Hancock, G. R., & Mueller, R. O. (Eds.). *Structural equation modeling: A second course* (2nd ed.). Greenwich, CT: Information Age Publishing.
- Hayes, A. F., **Preacher, K. J.**, & Myers, T. A. (2011). Mediation and the estimation of indirect effects in political communication research. In E. P. Bucy & R. L. Holbert (Eds.), *The sourcebook for political communication research: Methods, measures, and analytical techniques* (pp. 434-465). New York: Routledge.
- Widaman, K. F., Little, T. D., **Preacher, K. J.**, & †Sawalani, G. M. (2011). On creating and using short forms of scales in secondary research. In K. H. Trzesniewski, M. B. Donnellan, & R. E. Lucas (Eds.), *Secondary data analysis: An introduction for psychologists* (pp. 39-61). Washington, DC: American Psychological Association.
- *Lee, J., Little, T. D., & **Preacher, K. J.** (2011). Methodological issues in using structural equation models for testing differential item functioning. In Davidov, E., Schmidt, P., & Billiet, J. (Eds.), *Cross-cultural analysis: Methods and applications* (pp. 55-84). New York: Routledge.
- Preacher, K. J.** (2010). Latent growth curve models. In G. R. Hancock & R. O. Mueller (Eds.), *The reviewer's guide to quantitative methods in the social sciences* (pp. 185-198). London: Routledge.
- Little, T. D., Card, N. A., **Preacher, K. J.**, & †McConnell, E. (2009). Modeling longitudinal data from research on adolescence. In R. M. Lerner & L. Steinberg (Eds.), *Handbook of adolescent psychology* (3rd ed.) (pp. 15-54). Hoboken, NJ: Wiley.
- Preacher, K. J.**, & Hayes, A. F. (2008). Contemporary approaches to assessing mediation in communication research. In A. F. Hayes, M. D. Slater, & L. B. Snyder (Eds.), *The Sage sourcebook of advanced data analysis methods for communication research* (pp. 13-54). Thousand Oaks, CA: Sage.
- Preacher, K. J.**, †Cai, L., & MacCallum, R. C. (2007). Alternatives to traditional model comparison strategies for covariance structure models. In T. D. Little, J. A. Bovaird, & N. A. Card (Eds.), *Modeling contextual effects in longitudinal studies* (pp. 33-62). Mahwah, NJ: Lawrence Erlbaum Associates.

- Hawkley, L. C., **Preacher, K. J.**, & Cacioppo, J. T. (2007). Multilevel modeling of social interactions and mood in lonely and socially connected individuals: The MacArthur Social Neuroscience Studies. In A. D. Ong & M. H. M. van Dulmen (Eds.), *Oxford handbook of methods in positive psychology* (pp. 559-575). New York: Oxford University Press.
- Little, T. D., Card, N. A., Bovaird, J. A., **Preacher, K. J.**, & Crandall, C. S. (2007). Structural equation modeling of mediation and moderation with contextual factors. In T. D. Little, J. A. Bovaird, & N. A. Card (Eds.), *Modeling contextual effects in longitudinal studies* (pp. 207-230). Mahwah, NJ: Lawrence Erlbaum Associates.

Manuscripts Submitted for Publication

- Cho, S.-J., Athay, M., & **Preacher, K. J.** (submitted). *Measuring change for a multidimensional test using a generalized explanatory longitudinal item response model.*
- Deboeck, P., & **Preacher, K. J.** (submitted). *No need to be discrete: A method for continuous time mediation analysis.*
- Dunkley, D. M., Ma, D., †Lee, I. A., **Preacher, K. J.**, & Zuroff, D. C. (submitted). *Perfectionism dimensions, neuroticism, and daily stress, coping, and affect: A prospective multilevel structural equation modeling analysis.*
- Hayes, A. F., & **Preacher, K. J.** (submitted). Indirect and direct effects of a multicategorical causal agent in statistical mediation analysis.
- Preacher, K. J.**, Zhang, G., Kim, C., & Mels, G. (submitted). *Choosing the optimal number of factors in exploratory factor analysis: Adopting a model selection perspective.*
- Richter, K. P., Faseru, B., Mussulman, L., Ellerbeck, E. F., Shireman, T., Hunt, J. J., Carlini, B. H., **Preacher, K. J.**, Ayars, C., & Cook, D. (submitted). *Enhancing quitline utilization among in-patients (EQUIP): Using "warm handoffs" to link hospitalized smokers with tobacco treatment after discharge.*
- *Selig, J. P., **Preacher, K. J.**, & Little, T. D. (submitted). *Modeling time-dependent covariation in two-occasion longitudinal data: A lag as moderator approach.*

Software

- Preacher, K. J.**, & *Selig, J. P., (2010, July). Monte Carlo method for assessing multilevel mediation: An interactive tool for creating confidence intervals for indirect effects in 1-1-1 multilevel models [Computer software]. Available from <http://quantpsy.org>
- *Schoemann, A. M., **Preacher, K. J.**, & Coffman, D. L. (2010, April). Plotting power curves for RMSEA [Computer software]. Available from <http://quantpsy.org>
- *Selig, J. P., & **Preacher, K. J.** (2008, June). Monte Carlo method for assessing mediation: An interactive tool for creating confidence intervals for indirect effects [Computer software]. Available from <http://quantpsy.org>
- Preacher, K. J.**, & Coffman, D. L. (2006, May). Computing power and minimum sample size for RMSEA [Computer software]. Available from <http://quantpsy.org>
- Preacher, K. J.**, Curran, P. J., & Bauer, D. J. (2003, September). Probing interactions in multiple linear regression, latent curve analysis, and hierarchical linear modeling: Interactive calculation tools for establishing simple intercepts, simple slopes, and regions of significance [Computer software]. Available from <http://quantpsy.org>
- Preacher, K. J.** (2002, May). Calculation for the test of the difference between two independent correlation coefficients [Computer software]. Available from <http://quantpsy.org>
- Preacher, K. J.**, & Briggs, N. E. (2001, May). Calculation for Fisher's Exact Test: An interactive calculation tool for Fisher's exact probability test for 2 x 2 tables [Computer software]. Available from <http://quantpsy.org>

Preacher, K. J. (2001, April). Calculation for the chi-square test: An interactive calculation tool for chi-square tests of goodness of fit and independence [Computer software]. Available from <http://quantpsy.org>

Preacher, K. J., & Leonardelli, G. J. (2001, March). Calculation for the Sobel test: An interactive calculation tool for mediation tests [Computer software]. Available from <http://quantpsy.org>

Other Work

Hawkley, L. C., **Preacher, K. J.**, & Cacioppo, J. T. (2011). As we said, loneliness (not living alone) explains individual differences in sleep quality. *Health Psychology, 30*, 136.

Hofer, S. M., & **Preacher, K. J.** (2010). The Society of Multivariate Experimental Psychology co-sponsors methods-oriented workshops. *APS Observer, 23*(6), 39.

*Selig, J. P., **Preacher, K. J.**, & Little, T. D. (2009). Lag as moderator models for longitudinal data. *Multivariate Behavioral Research, 44*, 853 (abstract).

Preacher, K. J. (2009). Book review: *An introduction to latent variable growth curve modeling: Concepts, issues, and applications* (2nd ed.), by Terry E. Duncan, Susan C. Duncan, and Lisa A. Strycker. *Structural Equation Modeling, 16*, 186-190.

Preacher, K. J. (2008). Chi-square. In *International Encyclopedia of the Social Sciences* (2nd ed.) (Vol. 1, pp. 523-524). Detroit, MI: Macmillan Reference USA.

Preacher, K. J. (2003). Publishing in graduate school: Tips for new graduate students. *APS Observer, 16*(4), pp. 33-34, 50.

Preacher, K. J. (2003). *The role of model complexity in the evaluation of structural equation models*. Unpublished doctoral dissertation, Ohio State University, Columbus, OH.

Preacher, K. J., & Rucker, D. D. (2002). Dumbing it down: The dangers of appealing to the lowest common denominator. *Dialogue, 17*(1), 26-27, 31.

GRANTS AND FELLOWSHIPS

Primary investigator: *Scale setting in invariance tests*. University of Kansas New Faculty General Research Fund (2007 – 2009).

Primary investigator: *Longitudinal Factorial Invariance in the Study of Substance Abuse Trajectories* (Individual Ruth L. Kirschstein NRSA Postdoctoral Fellowship, NIDA/NIH F32-DA016883). Sponsor: Patrick Curran; Co-Sponsor: Kenneth A. Bollen. L. L. Thurstone Psychometric Laboratory, University of North Carolina at Chapel Hill (2003 – 2006).

Travel and workshop grants: (Yale University, 2001; Society for Personality & Social Psychology, 2001; Eastern Psychological Association, 1998, 1999; Society of Multivariate Experimental Psychology, 1999; KU College of Liberal Arts & Sciences, 2007, 2008, 2009, 2010, 2011).

Ohio State University Merit Graduate Fellowship (1998).

OTHER FUNDED PROJECTS

Co-Investigator (2010 – 2011); Consultant (2011 – 2014): *Increasing post-discharge follow-up among hospitalized smokers*. (1 U01 HL105232-01), Kimber P. Richter, PI, University of Kansas Medical Center (funded, total costs: \$2,726,804).

Co-Investigator (2008 – 2011); Consultant (2011 – 2012): *Telemedicine for smoking cessation in rural primary care*. (R01 HL087643-01A2), Kimber P. Richter, PI, University of Kansas Medical Center (funded, total costs: \$2,947,233).

Subcontract: *Protective Factors Survey*. Parent grant: NFP46580, received from Chapel Hill Training Outreach Project (CHTOP, Inc.) via Cooperative Agreement #90CA1729 from the Administration for Children, Youth, and Families, Children's Bureau. Institute for Educational Research and Public Service, University of Kansas. (2006 – 2010).

Subcontract: *Psychoneuroimmunology: Preterm Birth in Hispanics*. Parent grant: R01-NR007891-05A (bridge grant: R56-NR007891-05A), Roberta J. Ruiz, PI, School of Nursing, University of Texas Medical Branch (2007).

PRESENTATIONS

Talks and Chaired Symposia

Preacher, K. J., Zhang, G., Kim, C., & Mels, G. (October, 2011). *Selecting the number of factors in exploratory factor analysis: Different indices for different goals*. Paper presented at the annual meeting of the Society of Multivariate Experimental Psychology, Norman, OK.

Deboeck, P. R., & **Preacher, K. J.** (October, 2011). *No need to be discrete: A method for continuous time mediation analysis*. Invited talk, Dept. of Psychology, University of Notre Dame, Notre Dame, IN.

Hofer, S. M., Bontempo, D. E., **Preacher, K. J.**, Boker, S. M., & Neale, M. C. (August, 2011). *Evaluating factorial invariance across continuous sampling dimensions in a single-group analysis*. Paper presented at the annual meeting of the American Psychological Association, Washington, DC.

Preacher, K. J. (Symposium chair; August, 2011). *Advances in multilevel structural equation modeling*. Presidential invited symposium held at the annual meeting of the American Psychological Association, Washington, DC. Contributors included Steven M. Boker, Xitao Fan, G. John Geldhof, Paras D. Mehta, Michael C. Neale, James L. Peugh, Kristopher J. Preacher, Mijke Rhemtulla, *Alexander M. Schoemann, and Laura M. Stapleton.

Preacher, K. J., †Geldhof, G. J., †Rhemtulla, M., & *Schoemann, A. (August, 2011). *New uses for multilevel structural equation modeling: Multilevel reliability coefficients and dyadic similarity measures*. Paper presentation, the annual meeting of the American Psychological Association, Washington, DC.

Zhang, G., **Preacher, K. J.**, & Jennrich, R. I. (July, 2011). *The infinitesimal jackknife with exploratory factor analysis*. Paper presented at the International Meeting of the Psychometric Society, Hong Kong.

†Rhemtulla, M., *Schoemann, A. M., & **Preacher, K. J.** (May, 2011). *A multilevel SEM approach to examine dyadic correlations*. Paper presented at the Modern Modeling Methods (M3) Conference, Storrs, CT.

Preacher, K. J., & Hancock, G. R. (June, 2010). *Interpretable reparameterizations of growth curve models*. Invited talk at the Advances in Longitudinal Methods in the Social & Behavioral Sciences conference, The Center for Integrated Latent Variable Research, College Park, MD.

Zhang, G., & **Preacher, K. J.** (March, 2010). *Nonparametric standard error estimation of oblique rotation in exploratory factor analysis*. Invited talk, Quantitative Psychology, Ohio State University, Columbus, OH.

Preacher, K. J., Dunkley, D. M., & Zuroff, D. C. (January, 2010). *Demonstrating multilevel structural equation modeling for testing mediation: Effects of self-critical perfectionism on daily affect*. Paper presented at the annual conference of the Society for Personality & Social Psychology, Las Vegas, NV.

Zhang, G., & **Preacher, K. J.** (January, 2010). *Nonparametric standard error estimation of oblique rotation in exploratory factor analysis*. Invited talk, Quantitative Studies Group, Notre Dame University, Notre Dame, IN.

Preacher, K. J. (November, 2009). *The problem of model selection uncertainty in structural equation modeling*. Invited talk, Dept. of Psychology, Notre Dame University, Notre Dame, IN.

Preacher, K. J. (October, 2009). *A multilevel structural equation modeling framework for mediation: Advantages and extensions*. Cattell Award address delivered at the annual meeting of the Society of Multivariate Experimental Psychology, Lincoln City, OR.

Preacher, K. J. (August, 2009). *A comprehensive framework for multilevel mediation*. Invited address delivered at the annual meeting of the American Psychological Association, Toronto, ON.

- Preacher, K. J.**, & Merkle, E. C. (September, 2008). *Bootstrapping differences in SEM selection criteria*. Paper presented at the annual meeting of the Society of Multivariate Experimental Psychology, Montreal, QC.
- Zhang, Z., Zyphur, M. J., & **Preacher, K. J.** (August, 2008). *Testing multilevel mediation using hierarchical linear models: Problems and solutions*. Paper presented at the annual meeting of the Academy of Management, Anaheim, CA.
- Preacher, K. J.** (August, 2008). *Anne Anastasi Distinguished Early Career Contributions Award: New approaches to hypothesis testing in mediation*. Paper presented at the annual meeting of the American Psychological Association, Boston, MA.
- Preacher, K. J.** (Symposium co-chair; May, 2008). *The statistical analysis of mediation effects*. Symposium held at the annual meeting of the Association for Psychological Science, Chicago, IL. Contributors included JeeWon Cheong, Amanda Fairchild, David P. MacKinnon, Kristopher J. Preacher, Patrick Shrout, and Margarita Krochik.
- Preacher, K. J.** (May, 2008). *Bootstrapping null-centered confidence intervals for mediation effects*. Paper presented at the annual meeting of the Association for Psychological Science, Chicago, IL.
- Preacher, K. J.** (March, 2008). *Mediation analysis: Overcoming obstacles to valid statistical inference*. Invited talk, Dept. of Psychology, Michigan State University, East Lansing, MI.
- Preacher, K. J.** (February, 2008). *On variable dichotomization and other regrettable practices*. Invited talk, Dept. of Psychology, Wichita State University, Wichita, KS.
- Preacher, K. J.** (February, 2008). *Mediation analysis: Three problems with current practice*. Invited talk, Marketing Dept., Kellogg School of Management, Northwestern University, Evanston, IL.
- Little, T. D., **Preacher, K. J.**, & *Lee, J. (October, 2007). *Partial measurement invariance: Some 'one' matters more than others*. Paper presented at the annual meeting of the Society of Multivariate Experimental Psychology, Chapel Hill, NC.
- Preacher, K. J.**, & *Lee, J. (August, 2007). *Scale setting in invariance tests: Some 'one' may matter more than others*. Paper presented at the annual meeting of the American Psychological Association, San Francisco, CA.
- Preacher, K. J.** (May, 2007). *Median splits and extreme groups*. Invited talk, University of Kansas Medical Center, Kansas City, KS.
- Hayes, A. F., & **Preacher, K. J.** (August, 2006). *Bootstrapping specific indirect effects in multiple mediator models of media effects*. Paper presentation, the annual conference of the Association for Education in Journalism & Mass Communication, San Francisco, CA.
- Preacher, K. J.** (Symposium chair; June, 2006). *Model selection in latent variable models*. Symposium held at the annual meeting of the Psychometric Society, Montreal, QC. Contributors included Michael C. Neale, Kristian E. Markon, Gregory R. Hancock, and James H. Steiger (discussant).
- Preacher, K. J.** (June, 2006). *Why we should adopt a model selection strategy*. Paper presentation, the annual meeting of the Psychometric Society, Montreal, QC.
- Preacher, K. J.** (July, 2004). *The role of model complexity in the evaluation of structural equation models*. Invited talk, the annual meeting of the American Psychological Association, Honolulu, HI.
- Kiecolt-Glaser, J. K., **Preacher, K. J.**, Robles, T. F., Sheridan, J. F., MacCallum, R. C., Atkinson, C., Malarkey, W. B., & Glaser, R. (May, 2004). *Psychological influences on immune function: Health implications*. Paper presentation, the annual meeting of the PsychoNeuroImmunology Research Society, Titisee, Germany.

Workshops Conducted

- Preacher, K. J.**, & *Selig, J. P. (June 6 – 10, 2011). *Multilevel Modeling: Foundations and Applications*. 9th Annual KU Summer Institute, Center for Research Methods & Data Analysis, University of Kansas, Lawrence, KS.
- Preacher, K. J.**, & *Selig, J. P. (June 7 – 11, 2010). *Multilevel Modeling: Foundations and Applications*. 8th Annual KU Summer Institute, Center for Research Methods & Data Analysis, University of Kansas, Lawrence, KS.

- Preacher, K. J.** (June 1 – 5, 2009). *Multilevel Modeling: Foundations and Applications*. 7th Annual RDA Summer Institute, Schiefelbusch Institute for Life Span Studies, University of Kansas, Lawrence, KS.
- Preacher, K. J.** (June 16 – 20, 2008). *Multilevel Modeling: Foundations and Applications*. 6th Annual RDA Summer Institute, Schiefelbusch Institute for Life Span Studies, University of Kansas, Lawrence, KS.
- Preacher, K. J.** (June 4 – 8, 2007). *Multilevel Modeling: Foundations and Applications*. 5th Annual RDA Summer Institute, Schiefelbusch Institute for Life Span Studies, University of Kansas, Lawrence, KS.
- Preacher, K. J.** (May, 2006). *Advanced Regression Techniques: Mediation and Moderation*. Invited workshop, Marketing Dept., Kellogg School of Management, Northwestern University, Evanston, IL.
- Preacher, K. J.** (March, 2006). *Advanced Regression Techniques*. Invited workshop, University of North Carolina School of Education, Chapel Hill, NC.
- Preacher, K. J.** (October, 2005). *Assessing Mediation, Moderation, and Conditional Indirect Effects*. Invited workshop, University of Western Ontario, Richard Ivey School of Business, London, ON.
- Preacher, K. J.** & Cunningham, W. A. (July, 2000). *Structural Equation Modeling: Parsing Variance in Repeated-Measures Designs*. Invited workshop, Dept. of Psychology, Yale University, New Haven, CT.

Posters

- †Pornprasertmanit, S., *Lee, J., & **Preacher, K. J.** (August, 2011). *The effects of item intraclass correlation on multilevel confirmatory factor analysis: Is ignoring multilevel structure ever justified?* Poster presentation, the annual meeting of the American Psychological Association, Washington, DC.
- †Geldhof, G. J., & **Preacher, K. J.** (August, 2011). *Multilevel reliability estimation within a multilevel confirmatory factor analysis framework*. Poster presentation, the annual meeting of the American Psychological Association, Washington, DC.
- *Lee, J., †Pornprasertmanit, S., & **Preacher, K. J.** (August, 2011). *Type I error and power for multilevel confirmatory factor analysis in detecting lack of cross-level measurement and structural noninvariance*. Poster presentation, the annual meeting of the American Psychological Association, Washington, DC.
- †Lee, I., **Preacher, K. J.**, Dunkley, D. M., & Zuroff, D. C. (May, 2011). *Evaluating complex mediation effects using multilevel structural equation modeling*. Poster presentation, the annual meeting of the Association for Psychological Science, Washington, DC.
- *Schoemann, A. M., †Rhemtulla, M., & **Preacher, K. J.** (January, 2011). *Investigating correlations for exchangeable dyads using multilevel structural equation modeling*. Poster presentation, the New Methods Preconference of the 12th annual Meeting of the Society for Personality & Social Psychology, San Antonio, TX.
- *Schoemann, A. M., Branscombe, N. R., & **Preacher, K. J.** (January, 2010). *Older adults perceptions of anti-aging actions*. Poster presentation, the annual conference of the Society for Personality & Social Psychology, Las Vegas, NV.
- Ratliff, J. M., Hawley, P. H., & **Preacher, K. J.** (November, 2009). *Coerciveness and instrumentality within close friendships: An evolutionary perspective*. Poster presentation, New Directions in Research on Close Relationships: Integrating Across Disciplines and Theoretical Approaches (a mini-conference of the International Association for Relationship Research), Lawrence, KS.
- Collins, N., Sachs-Ericsson, N., **Preacher, K. J.**, Sheffield, K. M., & Markides, K. (November, 2009). *Smoking increases risk for cognitive decline among community-dwelling older Mexican Americans*. Poster presentation, the 62nd annual meeting of the Gerontological Society of America, Atlanta, GA.
- †Gallagher, M. W., Lopez, S. J., & **Preacher, K. J.** (August, 2009). *The latent structure of positive mental health in American adults*. Poster presentation, the annual meeting of the American Psychological Association, Toronto, ON.
- Zhang, Z., Zyphur, M. J., & **Preacher, K. J.** (April, 2009). *Hypothesizing and testing multilevel moderation: Issues and recommendations*. Poster presentation, the annual conference of the Society for Industrial & Organizational Psychology, New Orleans, LA.

- Stevens, N., Karlson, C., Hamilton, N. A., **Preacher, K. J.**, Wallston, K., & Staecker, D. (April, 2009). *The Multidimensional Health Locus of Control Scales for labor and delivery*. Poster presentation, the annual meeting of the Society for Behavioral Medicine, Montreal, QC.
- Stevens, N., Hamilton, N. A., **Preacher, K. J.**, Wallston, K., & Staecker, D. (April, 2009). *The Desire for Control in Childbirth Behavior Scale*. Poster presentation, the annual meeting of the Society for Behavioral Medicine, Montreal, QC.
- Stevens, N., Karlson, C., Hamilton, N. A., Staecker, D., **Preacher, K. J.**, & Wallston, K. (March, 2009). *Biopsychosocial factors and perinatal healthcare decisions among primiparous and multiparous pregnant women*. Poster presentation, the 17th annual National Women's Health Congress, Williamsburg, VA. [abstract in *Journal of Women's Health*, 18, 758]
- Stevens, N., Karlson, C., Hamilton, N. A., Staecker, D., **Preacher, K. J.**, & Wallston, K. (March, 2009). *Do control beliefs and risk status affect pregnant women's perinatal health care decisions?* Poster presentation, the annual meeting of the American Psychosomatic Society, Chicago, IL.
- Landrum, Y. Y., Jackson, Y. K., Karpowitz, D., & **Preacher, K. J.** (August, 2008). *Parental psychological control perceived by African and European American adolescents*. Poster presentation, the annual meeting of the American Psychological Association, Boston, MA.
- *Selig, J. P., & **Preacher, K. J.**, Card, N. A., & Little, T. D. (August, 2008). *Multilevel multiple-membership models for dyadic data*. Poster presentation, the annual meeting of the American Psychological Association, Boston, MA.
- Preacher, K. J.** (August, 2008). *Effect size, practical significance, and graphical representation for mediation effects*. Poster presentation, the annual meeting of the American Psychological Association, Boston, MA.
- Sawyer, K., Corsentino, E., **Preacher, K. J.**, Collins, N., Sachs-Ericsson, N., & Blazer, D. G. (July, 2008). *Race, depression, APOE, and dementia in a biracial sample of community dwelling elders*. Poster presentation, the 11th International Conference on Alzheimer's Disease & Related Disorders, Chicago, IL.
- †Gallagher, M. W., Lopez, S. J., & **Preacher, K. J.** (May, 2008). *The hierarchical structure of well-being*. Poster presentation, the annual meeting of the Association for Psychological Science, Chicago, IL.
- *Selig, J. P., Wu, Y. P., & **Preacher, K. J.** (April, 2008). *Parenting and the home environment as mediators of the relationship between maternal depression and child vocabulary*. Poster presentation, the biennial meeting of the Society for Research in Human Development, Little Rock, AR.
- Preacher, K. J.**, Rucker, D. D., Tormala, Z. L., & Petty, R. E. (January, 2008). *Traditional mediation analysis reconsidered: Issues of partial versus full mediation*. Poster presentation, the annual meeting of the Society for Personality & Social Psychology, Albuquerque, NM.
- Preacher, K. J.** (May, 2007). *Revisiting statistical criteria for quantifying and testing mediation effects*. Poster presentation, the annual meeting of the Association for Psychological Science, Washington, DC.
- Sawyer, K., Sachs-Ericsson, N., **Preacher, K. J.**, & Blazer, D. G. (May, 2007). *The apolipoprotein E epsilon 4 allele predicts cognitive decline in a biracial sample of African American and white community-dwelling older adults*. Poster presentation, the annual meeting of the Association for Psychological Science, Washington, DC.
- Hawkley, L. C., **Preacher, K. J.**, & Cacioppo, J. T. (January, 2007). *Gender and sleep quality: Explaining individual differences in the association between interaction quality and loneliness*. Poster presentation, the annual meeting of the Society for Personality & Social Psychology, Memphis, TN.
- Preacher, K. J.**, Rucker, D. D., & Hayes, A. F. (January, 2006). *Demystifying moderated mediation: A unified framework for investigating conditional mediation effects in psychological research*. Poster presentation, the annual meeting of the Society for Personality & Social Psychology, Palm Springs, CA.
- Hawkley, L. C., **Preacher, K. J.**, & Cacioppo, J. T. (January, 2005). *Multilevel modeling of lagged effects: Affect and interaction quality in lonely and socially connected individuals*. Poster presentation, the annual meeting of the Society for Personality & Social Psychology, New Orleans, LA.
- Preacher, K. J.**, & Rucker, D. D. (January, 2005). *Probing significant interaction effects in path analysis*. Poster presentation, the annual meeting of the Society for Personality & Social Psychology, New Orleans, LA.

- Preacher, K. J., & Kim, C.** (July, 2004). *Choosing the optimal number of factors in exploratory factor analysis*. Poster presentation, the annual meeting of the American Psychological Association, Honolulu, HI.
- Klein, H. J., Fan, J. & **Preacher, K. J.** (April, 2004). *Socialization efforts, content, and outcomes: A mediational approach*. Poster presentation, the 2004 Annual Conference of the Society for Industrial & Organizational Psychology, Chicago, IL.
- Preacher, K. J., & Rucker, D. D.** (January, 2004). *Moderation of form vs. degree: A neglected distinction in social psychology*. Poster presentation, the annual meeting of the Society for Personality & Social Psychology, Austin, TX.
- Preacher, K. J., & Rucker, D. D.** (February, 2003). *On the use of extreme groups analysis in the social sciences*. Poster presentation, the annual meeting of the Society for Personality & Social Psychology, Los Angeles, CA.
- Preacher, K. J., Rucker, D. D., & MacCallum, R. C.** (February, 2002). *The consequences of dichotomizing quantitative variables*. Poster presentation, the annual meeting of the Society for Personality & Social Psychology, Savannah, GA.
- Preacher, K. J., Cunningham, W. A., Altman, A. M., & Banaji, M. R.** (February, 2001). *Implicit attitude measures: Consistency, stability, and convergent validity*. Poster presentation, the annual meeting of the Society for Personality & Social Psychology, San Antonio, TX.
- Franco-Watkins, A. M., Derks, P. L., & **Preacher, K. J.** (April, 1999). *Learning to switch in the Monty Hall Problem*. Poster presentation, the annual meeting of the Eastern Psychological Association, Providence, RI.

PROFESSIONAL SERVICE

National and International

- Panelist*, Mentorship Roundtable, American Psychological Association Convention (2011).
- Member*, Innovation Committee, Society of Multivariate Experimental Psychology (2008 – present).
- Chair*, Workshop Grant Committee, Society of Multivariate Experimental Psychology (2010 – present).
- Coordinator*, Methodology Track, Association for Psychological Science Program Committee (2008 – 2010).
- Reviewer*, Developmental Methodology Panel, Society for Research on Adolescence (SRA) 2008 and 2010 Biennial Meetings (2007, 2009).
- Reviewer*, Evaluation, Measurement, & Statistics Division, American Psychological Association (APA) 2008 Annual Convention (2007).
- Website and listserv designer and manager*, Society of Multivariate Experimental Psychology. (1998 – 2009).

College and University

- Member*, Randolph Blake Earlier Career Award Committee (2012)
- Panelist*, Professional Development Panel, Peabody College, Vanderbilt Univ. (2011)
- Member*, Committee on Research, Peabody College, Vanderbilt Univ. (2011 – present)
- Leader/Founder*, Multilevel Structural Equation Modeling (MSEM) Workgroup at the Center for Research Methods & Data Analysis, Univ. of Kansas (2010 – 2011)
- Co-coordinator*, Methods Journal Discussion Group; Research, Design & Analysis unit, Shiefelbusch Life Span Institute, Univ. of Kansas (2007 – 2011)
- Member*, Academic misconduct panel, Univ. of Kansas (2008 – 2011)
- Associate*, Center for Research Methods & Data Analysis, University of Kansas (2009 – 2011)

Department

Chair, Web & Technology Committee, Dept. of Psychology, Univ. of Kansas (2009 – 2011)
Chair, Graduate Admissions Committee, Quantitative Psychology, Univ. of Kansas (2010 – 2011)
Member, Website Committee, Quantitative Psychology, Univ. of Kansas. (2006 – 2011)
Member, Social & Behavioral Sciences Methodology Minor committee, Univ. of Kansas (2006 – 2011)
Member, Merit Evaluation Committee, Dept. of Psychology, Univ. of Kansas (2007 – 2009)
Member, Graduate Admissions Committee, Quantitative Psychology, Univ. of Kansas (2007 – 2009)
Member, Search committee for visiting asst. prof. in Quantitative Psychology, Univ. of Kansas (2007)
Member, Search committee for tenure-track asst. prof. in Quantitative Psychology, Univ. of Kansas (2007)
Website designer / maintainer, Quantitative Psychology / Thurstone Lab., UNC Chapel Hill (2003 – 2006)
Website designer / maintainer, Quantitative Psychology, Ohio State Univ. (1998 – 2003)

Editorial Boards / Consulting Editorships

Multivariate Behavioral Research (Editorial Advisory Board, 2010 – present; Consulting Editor, 2011 – present)
Psychological Methods (Editorial Board, 2009; Consulting Editor, 2010 – present)
Journal of Counseling Psychology (Editorial Board, 2006 – present)
Communication Methods & Measures (Editorial Board, 2006 – present)
Social & Personality Psychology Compass (Editorial Board, 2006 – 2008)
Basic & Applied Social Psychology (Editorial Board, 2004 – 2008)

Ad hoc Reviewer

Applied Psychological Measurement, *Basic & Applied Social Psychology*, *Behavior Research Methods*, *British Journal of Mathematical & Statistical Psychology*, *Child Development*, *Communication Methods & Measures*, *Computational Statistics & Data Analysis*, *Educational & Psychological Measurement*, *European Journal of Social Psychology*, *Human Communication Research*, *International Journal of Behavioral Development*, *International Journal of Sports Psychology*, *Journal of Abnormal Psychology*, *Journal of Applied Psychology*, *Journal of Applied Social Psychology*, *Journal of Clinical Child & Adolescent Psychology*, *Journal of Consulting & Clinical Psychology*, *Journal of Counseling Psychology*, *Journal of Early Adolescence*, *Journal of Educational & Behavioral Statistics*, *Journal of Educational Psychology*, *Journal of Experimental Social Psychology*, *Journal of Gerontology: Psychological Sciences*, *Journal of Pediatric Psychology*, *Journal of Personality*, *Journal of Personality & Social Psychology*, *Journal of Positive Psychology*, *Journal of Speech, Language, & Hearing Research*, *Journal of Studies on Alcohol & Drugs*, *Methodology: European Journal of Research Methods in the Behavioural & Social Sciences*, *Journal of the Association for Information Systems*, *MIS Quarterly*, *Multivariate Behavioral Research*, *Nature Climate Change*, *Organizational Research Methods*, *Personality & Social Psychology Bulletin*, *Prevention Science*, *Psychological Assessment*, *Psychological Medicine*, *Psychological Methods*, *Psychological Science*, *Psychology & Aging*, *Psychometrika*, *Social & Personality Psychology Compass*, *Social Cognition*, *Social Development*, *Social Forces*, *Sociological Methodology*, *Statistical Methodology*, *Structural Equation Modeling*, *Methodology: Journal of the European Association of Methodology*

TEACHING

Graduate Course Instructor

Advanced Structural Equation Modeling. University of Kansas (Spring, 2007, 2008)
Applied Nonparametric Statistical Methods. University of Kansas (Fall, 2007, 2009, 2010)
Factor Analysis. University of Kansas (Spring, 2007, 2008, 2010)
Multilevel Modeling. University of Kansas (Fall, 2006, 2007; Spring, 2009, 2010, 2011)
Quantitative Psychology Proseminar. University of Kansas (Fall, 2006)
Independent Study. University of Kansas (9 students; 2007 – 2011)

Undergraduate Course Instructor

Introduction to Statistical Analysis (PSYC 2101). Vanderbilt University (Fall, 2011)
Independent Study. University of Kansas (6 students; 2007 – 2011)
Introductory Statistics. University of North Carolina at Chapel Hill (Spring, 2004; Summer, 2004; two sections, Fall, 2004; Summer, 2005)

Graduate Course Teaching Assistant

Structural Equation Modeling. Prof. Michael Browne, The Ohio State University (Winter, 2000)
Factor Analysis. Prof. Robert MacCallum, The Ohio State University (Fall, 1999)

Undergraduate Course Teaching Assistant

Introductory Statistics Laboratory. Professor Thomas Nygren (two honors sections, Winter, 2003);
 Professor Jay I. Myung, Ohio State University (Spring, 2003); Professor Lee Kirkpatrick, College of
 William & Mary (two sections, Fall, 1997)
Behavioral Modification Laboratory. Professor Larry Ventis, College of William & Mary (Summer, 1997)
Research Methods. Linda Zyzniewski, College of William & Mary (Summer, 1997)
Introductory Psychology. Professor Roberto Refinetti, College of William & Mary (Spring, 1997)
Introductory Statistics and Research Methods Laboratory. Professor Lee Kirkpatrick, College of William &
 Mary (Fall, 1996; Spring, 1997)
Physiological Psychology. Professor Roberto Refinetti, College of William & Mary (Fall, 1996)

PROFESSIONAL AFFILIATIONS

APA Division 5: Evaluation, Measurement, and Statistics (1998 – present)
 Association for Psychological Science (2002 – present)
 Psychometric Society (1999 – present)
 Society of Multivariate Experimental Psychology (2008 – present)
 Society for Personality and Social Psychology (2001 – present)