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EDUCATION

Ph.D., Psychology, August 2006
University of Virginia, Charlottesville, VA
Advisors: John R. Nesselroade, Ph.D., John J. McArdle, Ph.D.

M.S., Kinesiology, May 2000
University of Colorado, Boulder, CO
Advisor: Penny McCullagh, Ph.D.

B.A., Economics, May 1992
Columbia University, New York, NY

PROFESSIONAL POSITIONS

2012-pres. Associate Professor, Department of Human Development & Family Studies and
Department of Psychology
Pennsylvania State University, State College, PA

2011-pres. Co-Director, Studio|Lab PSU (studiolab.psu.edu)
Pennsylvania State University, State College, PA

2011-pres. Research Professor, DIW
German Institute for Economic Research, Berlin, Germany

2007-2011 Visiting Scientist, Center for Lifespan Psychology
Max Planck Institute for Human Development, Berlin, Germany

2006-2012 Assistant Professor, Department of Human Development & Family Studies and
Department of Psychology
Pennsylvania State University, State College, PA

1999-2006 Research and Teaching Assistant,
Department of Psychology, University of Virginia, Charlottesville, VA
Department of Human Services, University of Virginia, Charlottesville, VA
Department of Kinesiology, University of Colorado, Boulder, CO

1992-1999 Assistant Treasurer to Assistant Vice President, Foreign Exchange Derivatives
Bank Julius Baer, New York, NY

FELLOWSHIPS & AWARDS

- 2013-2014 Fellow, Center for Advanced Study in the Behavioral Sciences (CASBS) at Stanford University
- 2012 Outstanding Alumni Award, International Max Planck Research School
The Life Course: Evolutionary and Ontogenetic Dynamics (LIFE)
- 2009-2010 Faculty Fellow, Children, Youth, and Families Consortium
Pennsylvania State University
- 2007 Young Scholar Award, Advancing Inter-American Collaboration in Human Development Research, Methodology, and Training (sponsored by the International Society for the Study of Behavioral Development), Gramado, Brazil
- 2005-2006 Dissertation Fellowship
Graduate School of Arts and Sciences, University of Virginia
- 2005-2006 American Psychological Association Dissertation Research Award
- 2004-2006 Fellow, International Max Planck Research School
The Life Course: Evolutionary and Ontogenetic Dynamics (LIFE)
- 2002-2005 Ruth L. Kirschstein National Research Service Award
National Institute on Aging Fellowship T32 AG20500
Training in Quantitative Modeling in Aging
- 2003-2005 Robert J. Huskey Fellowship
Graduate School of Arts and Sciences, University of Virginia
- 2001-2002 Outstanding Teaching Assistant
Curry School of Education, University of Virginia
- 2001-2002 Phillip Morris Minority Fellowship
- 2000-2001 Curry School of Education Minority Fellowship

PUBLICATIONS (* = student or post-doctoral mentee)

Books Under Review

Grimm, K.J., **Ram, N.**, & Estabrook, C.R. (submitted). *Growth curve modeling*. NY: Routledge.

Manuscripts Under Review

Buss, K.A., **Ram, N.**, Davis, E.L., & Coccia, M. (submitted). Dysregulated fear, social inhibition and RSA: A replication and extension. *Developmental Psychology*.

Chow, S-M., Bendezu, J.J., Cole, P.M., & **Ram, N.** (submitted). FODEmixed: A two-stage approach to fitting linear and nonlinear ordinary differential equation models with random

effects. *Multivariate Behavioral Research*.

- Gerstorff, D., Hoppmann, C. A., *Infurna, F. J., Schupp, J., Wagner, G. G., & **Ram, N.** (submitted) Terminal decline in well-being: The role of key social resources. *Developmental Psychology*.
- Hoppmann, C. A., Gerstorff, D., *Infurna, F. J., & **Ram, N.**, & (submitted). Associations among individuals' perceptions of future time, individual resources, and well-being in old age. *Journals of Gerontology: Psychological Science*.
- *Hülür, G., Hoppmann, C. A., **Ram, N.**, & Gerstorff, D. (revision submitted). Affect synchrony in daily life relates to long-term cognitive decline in very old age. *Developmental Psychology*.
- *Hülür, G., **Ram, N.**, & Gerstorff, D. (invited for revision). Historical improvements in well-being do not hold in late life: Studies of birth-year and death-year cohorts in national samples from the US and Germany. *Developmental Psychology*.
- *Hülür, G., **Ram, N.**, Willis, S. L., Schaie, K. W., & Gerstorff, D. (revision submitted). Cognitive dedifferentiation with increasing age and proximity to death: Within-person evidence from the Seattle Longitudinal Study. *Psychology and Aging*.
- *Infurna, F. J., Gerstorff, D., **Ram, N.**, Schupp, J., Wagner, G. G., & Heckhausen, J. (invited for revision). Maintaining perceived control with unemployment facilitates future adjustment. *Developmental Psychology*.
- *Infurna, F. J., Weist, M., Gerstorff, D., **Ram, N.**, Schupp, J., Wagner, G. G., & Heckhausen, J. (submitted). Changes in life satisfaction when losing one's spouse: Individual differences in anticipation, reaction, adaptation, and longevity in the German Socio-Economic Panel Study (SOEP). *Ageing and Society*.
- *Lippold, M. A., Fosco, G., **Ram, N.**, & Feinberg, M. E. (invited for revision) Intra-individual lability: A new perspective on parental knowledge and its relation to adolescent problem behavior. *Prevention Science*.
- *Maher, J., Conroy, D.E., Pincus, A.L., & **Ram, N.** (invited for revision) Daily physical activity and life satisfaction across adulthood. *Developmental Psychology*.
- *Schöllgen, I., *Morack, J., *Infurna, F.J., **Ram, N.**, & Gerstorff, D. (submitted). Health sensitivity of older adults: Corresponding ups and downs of individuals' well-being and health. *Developmental Psychology*.
- Scott, S.B., Graham-Engeland, J.E., Engeland, C.G., Smyth, J.M., Almeida, D.M., Katz, M.J., Lipton, R.B., Mogle, J.A., Munoz, E., **Ram, N.**, & Sliwinski, M.J. (submitted). The Effects of Stress on Cognitive Aging, Physiology and Emotion (ESCAPE) Project. *BMC Public Health*.
- Vogel, N., Gerstorff, D., **Ram, N.**, Göbel, J., & Wagner, G. G. (submitted). Terminal decline in well-being differs between people in East Germany and West Germany. *Journals of Gerontology: Social Science*.
- *Weybright, E. H., Caldwell, L. L., **Ram, N.**, Smith, E. A., & Wegner, L. (revision submitted). Boredom prone or nothing to do? Distinguishing between state and trait leisure boredom and its association with substance use in South African adolescents. *Leisure Sciences*.

Manuscripts In Press, Online, and In Print

- Conroy, D.E., **Ram, N.**, Pincus, A.L., Coffman, D.L., *Lorek, A.E., *Rebar, A.L., & *Roche, M.J (in press). Daily physical activity and alcohol use across the adult lifespan. *Health Psychology*.
- Conroy, D.E., **Ram, N.**, Pincus, A.L., & *Rebar, A.L., (in press). Bursts of self-conscious emotions in the daily lives of emerging adults. *Self and Identity*.
- *DuPuis, D., **Ram, N.**, *Willner, C., Karalunas, S., Segalowitz, S., & Gatzke-Kopp, L. (in press). Implications of ongoing neural development for the measurement of the error-related negativity in childhood. *Developmental Science*.
- Gerstorff, D. & **Ram, N.** (in press). A framework for studying mechanisms underlying terminal

decline in well-being. *International Journal of Behavioral Development*.

- *Marceau, K., **Ram, N.**, & Susman, E. J. (in press). Development and lability in the parent-child relationship through adolescence: Associations with pubertal timing and tempo. *Journal of Research on Adolescence*.
- Ram, N.**, Gatzke-Kopp, L., Gerstorf, D., Coccia, M., *Morack, J., & Molenaar, P. C. M. (in press). Intraindividual variability across the life span: Moving towards a computational developmental science. In M. Diehl, K. Hooker, & M. Sliwinski (Eds). *Handbook of intraindividual variability across the lifespan* (pp. xx-xx). NY: Routledge.
- Ram, N.** & Diehl, M. (in press). Multiple time-scale design and analysis: Pushing towards real-time modeling of complex developmental processes. In M. Diehl, K. Hooker, & M. Sliwinski (Eds). *Handbook of intraindividual variability across the lifespan* (pp. xx-xx). NY: Routledge.
- Ram, N.**, & Grimm, K. (in press). Growth curve modeling and longitudinal factor analysis. In W. Damon & R. M. Lerner (Series Ed.), W. Overton & P. C. M. Molenaar (Vol. Ed.), *Handbook of child psychology: Vol. 1. Theoretical models of human development* (7th ed.). Hoboken, NJ: Wiley.
- *Rebar, A. L., **Ram, N.**, & Conroy, D. (2015). Using the EZ-diffusion model to score a single-category implicit association test of physical activity. *Psychology of Sport & Exercise*, 16, 96-105.
- *Roche, M.J., Pincus, A.L., *Hyde, A.L., Conroy, D.E., & **Ram, N.** (in press). Enriching psychological assessment using a person-specific analysis of interpersonal processes in daily life. *Assessment*.
- Segerstrom, S.C., Eisenlohr-Moul, T. A., Evans, D. R., & **Ram, N.** (in press). Repetitive thought dimensions, psychological well-being and perceived growth in older adults: A multilevel, prospective study. *Anxiety, Stress, & Coping*.
- Wagner, J., Gerstorf, D., Hoppmann, C., & **Ram, N.** (in press). Self-esteem is relatively stable late in life: The role of resources in the health, self-regulation, and social domains. *Developmental Psychology*.
- *Bamberger, K. T., Coatsworth, J. D., Fosco, G. M., & **Ram, N.** (2014). Patterns and predictors of change in participants' engagement in a family-based preventive intervention. *Journal of Family Psychology*, 28, 811-820.
- *Bodnar, T., Barclay, V. C., **Ram, N.**, Tucker, C. S., & Salathe, M. (2014). On the ground validation of online diagnosis with twitter and medical records. *Proceedings of the International World Wide Web Conference. Proceedings of the Companion Publication of the 23rd International Conference on World Wide Web*, 651-656.
- Fauth, E. B., Gerstorf, D., **Ram, N.**, & Malmberg, B. (2014). Comparing changes in late-life depressive symptoms across aging, disablement and mortality processes. *Developmental Psychology*, 50, 1584-1593.
- Gaschler, R., Progscha, J., Smallbone, K., **Ram, N.**, & Bilalić, M. (2014). Playing off the curve – Testing quantitative predictions of skill acquisition theories in development of chess performance. *Frontiers in Psychology*, 5, 923-934.
- Gerstorf, D., Heckhausen, J., **Ram, N.**, *Infurna, F. J., Schupp, J., & Wagner, G. G. (2014). Perceived personal control buffers terminal decline in well-being. *Psychology and Aging*, 29, 612-625.
- Gerstorf, D., Hoppman, C., & **Ram, N.** (2014). The promise and challenges of integrating multiple time-scales in adult developmental inquiry. *Research in Human Development*, 11, 75-90.
- *Hülür, G., Hertzog, C., Pearman, A., **Ram, N.**, & Gerstorf, D. (2014). Longitudinal associations of subjective memory with memory performance and depressive affect: Between-person and within-person perspectives. *Psychology and Aging*, 29, 814-827.

- *Infurna, F.J., Gerstorf, D., **Ram, N.**, Schupp, J., Sprangers, M.A.G., & Wagner, G. G. (2014). Linking concurrent self-reports and retrospective proxy-reports about the last year of life: A prevailing picture of life satisfaction decline. *Journal of Gerontology, Series B: Psychological Sciences and Social Sciences*, 69, 695-709.
- Mejia, S., Hooker, K., **Ram, N.**, Pham, T., & Metoyer, R. (2014). Capturing intraindividual variation and covariation constructs: Using multiple time-scales to assess construct reliability and construct stability. *Research in Human Development*, 11, 91-107.
- Orland, B., **Ram, N.**, Lang, D., Houser, K., Kling, N., & Coccia, M. (2014). Saving energy in an office environment: A serious game intervention. *Energy and Buildings*, 74, 43-52.
- Ram, N.**, Conroy, D., Pincus, A. L., Lorek, A., Rebar, A. H., Roche, M. J., Morack, J., Coccia, M., Feldman, J., & Gerstorf, D. (2014). Examining the interplay of processes across multiple time-scales: Illustration with the Intraindividual Study of Affect, Health, and Interpersonal Behavior (iSAHIB). *Research in Human Development*, 11, 142-160.
- Ram, N.**, Shiyko, M.P., Lunkenheimer, E.S., Doerksen, S., & Conroy, D. (2014). Families as coordinated symbiotic systems: Making use of nonlinear dynamic models. In S. McHale, P. Amato, & A. Booth (Eds.) *Emerging methods in family research* (pp. 19-37). New York, NY: Springer.
- *Taurob, S., Tucker, C., Salathe, M., & **Ram, N.** (2014). An ensemble heterogeneous classification methodology for discovering health-related knowledge in social media messages. *Journal of Biomedical Informatics*, 49, 255-268.
- *Wang, S., *Roche, M. J., Pincus, A. L., *Rebar, A. L., Conroy, D. C., & **Ram, N.** (2014). Daily social climate and interpersonal dependency and emotions in everyday life. *Journal of Research in Personality*, 53, 5-12.
- *Wei, M., Houser, K. W., Orland, B. Lang, D. H. **Ram, N.**, Sliwinski, M. J., & Bose, M. (2014). Field study of office worker responses to fluorescent lighting of different CCT and lumen output. *Journal of Environmental Psychology*, 39, 62-76.
- *Weybright, E. H., Caldwell, L. L., **Ram, N.**, Smith, E. A., & Jacobs, J. (2014). The dynamic association between healthy leisure and substance use in South African adolescents: A state and trait perspective. *World Leisure Journal*, 56, 99-109.
- *Yin, P., **Ram, N.**, Lee, W-C., Tucker, C., Khandelwal, S. & Salathe, M. (2014). Two sides of a coin: Separating personal communication and public dissemination accounts in Twitter. In V. Tseng, T. Ho, Z-H. Zhou, A.L.P. Chen, & H-Y. Kao (Eds). *Advances in Knowledge Discovery and Data Mining, Lecture Notes in Computer Science*, 8443, 163-175.
- Dahl, A. K., Fauth, E.B., Ernsth-Bravell, M., Hassing, L., **Ram, N.**, & Gerstorf, D. (2013). Body mass index, change in body mass index, and survival among old and very old persons. *Journal of the American Geriatrics Society*, 61, 512-518.
- *Fortunato, C.K., Gatzke-Kopp, L.M., & **Ram, N.** (2013). Associations between respiratory sinus arrhythmia (RSA) reactivity and internalizing and externalizing symptoms are emotion specific. *Cognitive, Affective, and Behavioral Neuroscience*, 13, 238-251.
- Gerstorf, D. & **Ram, N.** (2013). Inquiry into terminal decline: Five objectives for future study. *The Gerontologist*, 53, 727-737.
- Gerstorf, D., **Ram, N.**, Lindenberger, U., & Smith, J. (2013). Age and time-to-death trajectories of change in indicators of cognitive, sensory, physical, health, social, and self-related functions. *Developmental Psychology*, 49, 1805-1821.
- Grimm, K. J., **Ram, N.**, *Shiyko, M. P., & *Lo, L. L. (2013). A simulation study of the ability of growth mixture models to uncover growth heterogeneity. In J. J. McArdle & G. Ritschard (Eds.), *Contemporary issues in exploratory data mining in the behavioral sciences* (pp. 172-189). New York: Routledge.
- Grimm, K.J., *Steele, J.S., **Ram, N.**, & Nesselrode, J.R. (2013). Exploratory latent growth models in the structural equation modeling framework. *Structural Equation Modeling*, 20, 568-591.

- *Hülür, G., *Infurna, F. J., **Ram, N.**, & Gerstorf, D. (2013). Cohorts based on decade of death: No evidence for secular trends favoring later cohorts in cognitive aging and terminal decline in the AHEAD Study. *Psychology and Aging, 28*, 115-127.
- *Infurna, F. J., Gerstorf, D. & **Ram, N.** (2013). The nature and correlates of change in depressive symptoms with cancer diagnosis: Reaction and adaptation. *Psychology and Aging, 28*, 386-401.
- *Infurna, F.J., **Ram, N.**, & Gerstorf, D. (2013). Level and change in perceived control predict 19-Year mortality: Trajectories from the Americans' Changing Lives Study. *Developmental Psychology, 49*, 1833-1847.
- *Maher, J. P., Doersken, S. E., Elavsky, S., *Hyde, A. L., Pincus, A. L., **Ram, N.**, & Conroy, D. E. (2013). A daily analysis of physical activity and satisfaction with life in emerging adults. *Health Psychology, 32*, 647-656.
- *Marceau, K., **Ram, N.**, Neiderhiser, J.M., Laurent, H.K., Reiss, D., Shaw, D.S., Fisher, P., Natsuaki, M.N., Leve, L.D. (2013). Disentangling the effects of genetic, prenatal, and parenting influences on children's HPA flexibility. *Stress, 16*, 607-615.
- *Morack, J., *Infurna, F., Gerstorf, D. & **Ram, N.** (2013). Trajectories and personality correlates of change in perceptions of physical and mental health across adulthood and old age. *International Journal of Behavioral Development, 37*, 475-484.
- *Morack, J., **Ram, N.**, Fauth, E., & Gerstorf, D. (2013) Multi-domain trajectories of psychological functioning in old age: A longitudinal perspective on (uneven) successful aging. *Developmental Psychology, 49*, 2309-2324.
- Ram, N.**, Brose, A. & Molenaar, P.C.M. (2013). Dynamic factor analysis: Modeling person-specific process. In T. Little (Ed.) *Oxford handbook of quantitative methods Volume 2 Statistical Analysis*. (pp. 441-457). New York: Oxford University Press.
- Ram, N.**, *Coccia, M., Conroy, D., *Lorek, A., Orland, B., Pincus, A., Sliwinski, M., & Gerstorf, D. (2013). Behavioral landscapes and change in behavioral landscapes: A multiple time-scale density distribution approach. *Research in Human Development, 10*, 88-110.
- *Roche, M.J., Pincus, A.L., Conroy, D.E., *Hyde, A.L., & **Ram, N.** (2013). Pathological narcissism and interpersonal behavior in daily life. *Personality Disorders: Theory, Research, and Treatment, 4*, 315-323.
- *Roche, M.J., Pincus, A.L., *Hyde, A.L., Conroy, D.E., & **Ram, N.** (2013). Within-person covariation of agentic and communal perceptions: Implications for interpersonal theory and assessment. *Journal of Research in Personality, 47*, 445-452.
- *Taurob, S., Tucker, C., Salathe, M., & **Ram, N.** (2013). Discovering health-related knowledge in social media using ensembles of heterogeneous features. *Proceedings of the 22nd ACM International Conference on Information and Knowledge Management, CIKM '13*, 1685-1690.
- Brose, A. & **Ram, N.** (2012). Within-person factor analysis: Modeling how the individual fluctuates and changes across time. In M. Mehl & T. Conner (Eds.) *Handbook of research methods for studying daily life* (pp. 459-468). New York: Guilford.
- Fauth, E. B., Gerstorf, D., **Ram, N.**, & Malmberg, B. (2012). Changes in depressive symptoms in the context of disablement processes: role of demographic characteristics, cognitive function, health, and social support. *The Journals of Gerontology, Series B: Psychological Sciences and Social Sciences, 67*, 167-177. PMID: PMC3307989
- *Finlay, A. K., **Ram, N.**, Maggs, J. L. & Caldwell, L. L. (2012). Leisure activities, "the weekend", and alcohol use: Evidence from a daily study of first-year college students. *Journal of Studies on Alcohol and Drugs, 73*, 250-259. PMID: PMC3281983
- *Mitas, O., Yarnall, C., Adams, R., & **Ram, N.** (2012). Taking a "peak" at leisure travelers' positive emotions. *Leisure Sciences, 34*, 115-135.
- Ram, N.**, Conroy, D. E., Pincus, A. L., *Hyde, A. L., & *Molloy, L. E. (2012). Tethering theory to method: Using measures of intraindividual variability to operationalize individuals' dynamic

- characteristics. In G. Hancock & J. Harring (Eds.), *Advances in longitudinal methods in the social and behavioral sciences* (pp. 81-110). New York: Information Age.
- *Shiyko, M.P., **Ram, N.**, & Grimm, K. J. (2012). Growth mixture modeling. In R. Hoyle (Ed.). *Handbook of Structural Equation Modeling* (pp. 532-546). New York: Guilford.
- Carstensen, L.L., Turan, B., Scheibe, S., **Ram, N.**, Ersner-Hershfield, H., Samanez-Larkin, G.R., Brooks, K.P., Nesselroade, J.R. (2011) Emotional experience improves with age: Evidence based on over 10 years of experience sampling. *Psychology and Aging, 26*, 21-33. PMID: PMC3332527
- Gerstorf, D., **Ram, N.**, Hoppmann, C. A., Willis, S. L., & Schaie, K. W. (2011). Cohort differences in cognitive aging and terminal decline in the Seattle Longitudinal Study. *Developmental Psychology, 47*, 1026-1041. PMID: PMC3134559
- Gerstorf, D., & **Ram, N.** (2011). Late-Life: A venue for studying the mechanisms by which contextual factors influence individual development. S. K. Whitbourne & M. J. Sliwinski (Eds.), *Handbook of adulthood and aging* (pp. 49-71). New York: Wiley.
- Grimm, K. J., & **Ram, N.** (2011). Growth curve modeling from a structural equation modeling perspective. In B. Laursen, T. Little, & N. Card (Eds.) *Handbook of Developmental Research Methods* (pp. 411-431). New York: Guilford.
- Grimm, K. J., & **Ram, N.** (2011). Modeling change over time. In G. Tenenbaum, R. Eklund, & A. Kamata (Eds.), *Handbook of measurement in sport and exercise psychology* (pp. 65-73). Champaign, IL: Human Kinetics.
- Grimm, K., J., **Ram, N.**, & Hamagami, F. (2011). Nonlinear growth curves in developmental research. *Child Development, 85*, 1357-1371. PMID: PMC3169758
- *Hyde, A.L., Conroy, D.E., Pincus, A.L., & **Ram, N.**, (2011). Unpacking the feel good effect of free-time physical activity: Between- and within-person associations with pleasant-activated feeling states. *Journal of Sport & Exercise Psychology, 33*, 884-902.
- *Infurna, F. J., Gerstorf, D., **Ram, N.**, Schupp, J., & Wagner, G. G. (2011). Long-term antecedents and outcomes of perceived control. *Psychology and Aging, 26*, 559-575. PMID: PMC3319760
- *Marceau, K., **Ram, N.**, Houts, R. H., Grimm, K. J., & Susman, E. J. (2011). Individual differences in boys' and girls' timing and tempo of puberty: Modeling development with nonlinear growth models. *Developmental Psychology, 47*, 1389-1409.
- *Molloy, L. E., **Ram, N.**, & Gest, S. D. (2011). Development and lability in early adolescents' self-concept: Within- and between-person variation. *Developmental Psychology, 47*, 1589-1607.
- Ram, N.**, Gerstorf, D., Lindenberger, U., & Smith, J. (2011). Developmental change and intraindividual variability: Relating cognitive aging to cognitive plasticity, cardiovascular lability, and emotional diversity. *Psychology and Aging, 26*, 363-371. PMID: PMC3115405
- Ram, N.**, Grimm, K., Gatzke-Kopp, L. & Molenaar, P.C.M. (2011). Longitudinal mixture models and the identification of archetypes: Action-adventure, mystery, science fiction, fantasy, or romance? In B. Laursen, T. Little, & N. Card (Eds.) *Handbook of Developmental Research Methods* (pp. 481-500). New York: Guilford.
- *Shiyko, M., & **Ram, N.** (2011). Conceptualizing and estimating process speed in studies employing ecological momentary assessment designs: A multilevel variance decomposition approach. *Multivariate Behavioral Research, 46*, 875-899. PMID: PMC3374659
- Szerlip, N., *Rutter, C., **Ram, N.**, *Yovino, S., Kwok, Y., Maggio, W., & Regine, W. (2011). Factors impacting white matter changes following whole brain radiation therapy. *Journal of Neuro-Oncology, 103*, 111-119.
- *Vasilenko, S. A., **Ram, N.**, & Lefkowitz, E. S. (2011). Body image and first sexual intercourse in late adolescence. *Journal of Adolescence, 34*, 327-335. PMID: PMC3006497
- *Gates, K. M., Molenaar, P. C. M., Hillary, F., **Ram, N.**, & Rovine, M. (2010). Automatic search in fMRI connectivity mapping: An alternative to Granger causality using formal equivalences

- between SEM path modeling, VAR, and unified SEM. *NeuroImage*, 53, 1118-1125.
- Gerstorff, D., **Ram, N.**, Goebel, J., Schupp, J., Lindenberger, U., & Wagner, G. G. (2010). Where people live and die makes a difference: Individual and geographic disparities in well-being progression at the end of life. *Psychology and Aging*, 25, 661-676. PMID: PMC2980782
- Gerstorff, D., **Ram, N.**, Mayraz, G., *Hidajat, M., Lindenberger, U., Wagner, G. G., & Schupp, J. (2010). Late-life decline in well-being across adulthood in Germany, the United Kingdom, and the United States: Something is seriously wrong at the end of life. *Psychology and Aging*, 25, 477-485. PMID: PMC2975938
- Grimm, K. J., **Ram, N.**, & *Estabrook, R. (2010). Growth mixture models with inherently nonlinear change models using Mplus and OpenMx. *Multivariate Behavioral Research*, 45, 887-909.
- Molenaar, P. C. M., & **Ram, N.** (2010). Dynamic modeling and optimal control of intra-individual variation: A computational paradigm for non-ergodic psychological processes. In S. M. Chow, E. Ferrer, & F. Hsieh (Eds.), *Statistical methods for modeling human dynamics: Notre Dame Series on Quantitative Methods* (pp. 13 - 35). New York: Routledge.
- Ram, N.**, Gerstorff, D., Fauth, E., Zarit, S., & Malmberg, B. (2010). Aging, disablement, and dying: Using time-as-process and time-as-resources metrics to chart late-life change. *Research in Human Development*, 7, 27-44. PMID: PMC3482431
- Gerstorff, D. & **Ram, N.** (2009). Limitations on the importance of self-regulation in old age. *Human Development*, 52, 38-43.
- Gerstorff, D., **Ram, N.**, Fauth, E., Schupp, J., & Wagner, G. G. (2009). Between-person disparities in the progression of late-life well-being. In T. C. Antonucci & J. S., Jackson (Eds.) Annual review of gerontology and geriatrics: Life-course perspectives on late-life health inequalities (pp. 205-232). New York: Springer.
Also distributed in *SOEP Papers on Multidisciplinary Panel Data Research*, 200, Berlin, Germany: German Institute for Economic Research. <http://ssrn.com/abstract=1422526>.
- Grimm, K., & **Ram, N.** (2009). A second order growth mixture model for the study of development. *Research in Human Development*, 6, 121-143.
- Grimm, K., & **Ram, N.** (2009). Nonlinear growth models in Mplus & SAS. *Structural Equation Modeling*, 16, 676-701.
- Molenaar, P. C. M., & **Ram, N.** (2009). Advances in dynamic factor analysis of psychological processes. In J. A. Valsiner, P. C. M. Molenaar, M. C. D. P. Lyra, & N. Chaudhary (Eds.) *Dynamic process methodology in the social and developmental sciences* (pp.255-268). New York: Springer.
- Molenaar, P. C. M., *Sinclair, K., Rovine, M. J., **Ram, N.**, & Corneal, S. E. (2009). Analysis of developmental processes based on intra-individual variation by means of non-stationary time series modeling. *Developmental Psychology*, 45, 260-271.
- Nesselroade, J. R., **Ram, N.**, Gerstorff, D., & Hardy, S. A. (2009). Rejoinder to Commentaries on Nesselroade, Gerstorff, Hardy, and Ram (2007). *Measurement: Interdisciplinary Research and Perspectives*, 7, 1-10.
- Ram, N.** & Gerstorff, D. (2009). Time structured and net intraindividual variability: Tools for examining the development of dynamic characteristics and processes. *Psychology and Aging*, 24, 778-791. PMID: PMC2797709
- Ram, N.** & Gerstorff, D. (2009). Methods for the study of development – Developing methods. *Research in Human Development*, 6, 61-73.
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- Ram, N.**, Lindenberger, U., & Blanchard-Fields, F. (2009). Introduction to the special issue on intraindividual variability and aging. *Psychology and Aging*, 24, 775-777.

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- Ram, N.**, Starek, J., & Johnson, J. (2004). Race, ethnicity, and sexual orientation: Still a void in sport and exercise psychology? *Journal of Sport & Exercise Psychology, 26*, 250-268.
- Ram, N.**, & McCullagh, P. (2003). Self-modeling: Influence on psychological processes and physical performance. *The Sport Psychologist, 17*, 220-241.

Role: Principal Investigator

R01 AG09239 Almeida (PI) 05/01/08-05/31/10
NIH/NIA \$294,928

Daily Stress and Well-being in Adulthood

This project examines intraindividual change in daily stress over 10 years, how personal characteristics predict changes in exposure to daily stressors, and how those daily stressors lead to downstream health outcomes.

Role: Investigator

T32 AG20500-05 Nesselroade (PI) 08/01/02 – 07/31/05
NIH/NIA

Training in Quantitative Modeling in Aging

This research training program supports training for pre- and post-doctoral fellows in quantitative modeling and aging.

Role: Pre-doctoral Fellow

Completed Research Support (Internal)

The Pennsylvania State University Ram & Orland (co-PIs) 01/01/12-12/31/14
Social Science Research Institute Initiative \$105,000

Studio|Lab: A trans-college initiative that facilitates development of interdisciplinary teams and tools

Facilitate faculty and students ability to initiate and conduct collaborative research projects, and provide anticipatory development of technology-rich research paradigms.

Role: Principal Investigator

The Pennsylvania State University Conroy (PI) 01/01/12-12/31/13
Social Science Research Institute \$20,000

Translating Basic Motivation Discoveries into an Intervention to Modify Daily Sedentary Behavior and Physical Activity

Conduct background research and design pilot studies for testing and implementing interventions at the interplay of implicit attitudes and behavior change.

Role: Investigator

The Pennsylvania State University Pincus (PI) 07/01/11-06/30/12
Social Science Research Institute \$5,000

Extending EMA Studies to Populations with Psychopathology: An Outpatient Pilot Study

Extend the infrastructure for conducting intensive repeated measures and intraindividual variability studies at PSU to research in clinical psychology.

Role: Investigator

The Pennsylvania State University Ram (PI) 02/01/10-01/31/12
Social Science Research Institute \$4,864

Methodological Innovations in Modeling Timing and Tempo of Puberty: A Multiple Cohort 50 Year Approach

Develop nonlinear growth modeling techniques that can be used to describe individual and generational differences in biological, physical, and psychological changes that occur during pubertal development.

Role: Principal Investigator

<p>The Pennsylvania State University Stuckeman Fund for Collaborative Research Design <i>An iPad -based Augmented Reality Tool for Design, Planning and Research in Environmental Change</i> Develop prototype tools based on EMA mobile-phone technologies for field use by land use planners. Role: Investigator</p>	<p>Orland (PI)</p>	<p>11/01/10-10/30/11 \$14,758</p>
<p>The Pennsylvania State University Social Science Research Institute Develop and provide innovative modeling in collaboration with local fMRI researchers. Role: Investigator</p>	<p>Molenaar (PI)</p>	<p>10/23/09-10/22/11 \$63,000</p>
<p>The Pennsylvania State University Social Science Research Institute Facilitative Funds <i>Remote and Intensive Data (RAID)</i> Establish a local infrastructure for design and implementation of studies making use of remote and intensive data collection technology. Role: Principal Investigator</p>	<p>Ram & Sliwinski (PI)</p>	<p>01/01/10-09/30/11 \$150,000</p>
<p>The Pennsylvania State University Social Science Research Institute <i>The Penn State Mobile Toolbox 1: A kit for assessing cognitive ability in real-time</i> Develop and validate a set of tasks that can be used to assess moment-to-moment changes in cognitive ability using hand-held, mobile devices Role: Investigator</p>	<p>Kenyon (PI)</p>	<p>09/14/10-09/13/11 \$4,500</p>
<p>The Pennsylvania State University Children, Youth, and Family Consortium <i>An International Network of Intraindividual Variability Research Collaborations (IntraVarNet); An Infrastructure for Assessing and Modeling Intraindividual Variability (IntraCollect)</i> Establish an international cross-disciplinary network for studying intraindividual variability-type phenomena to (a) bring together substantive and methodological expertise, (b) identify and discuss current and upcoming theoretical and methodological issues, (c) establish goal directives and detailed plans for a cadre of collaborative research proposals and studies, and (d) develop a local infrastructure for collecting intraindividual variability-type data. Role: Principal Investigator</p>	<p>Ram & Gerstorf (Co-PIs)</p>	<p>01/01/08-02/28/10 \$13,500</p>
<p>The Pennsylvania State University Social Science Research Institute, PSU <i>Progression of Disparities in Psychological Health Decline Occurring in Late Life: Individual-, Community-, and Society-Level Influences</i> Construct, and integrate individual-level, geocode-level, and society-level data across nationally representative samples from Europe, the US, and Asia in order to examine how interindividual differences in late-life changes in psychological health relate to individual-, community-, and society-level characteristics. Role: Principal Investigator</p>	<p>Ram & Gerstorf (Co-PIs)</p>	<p>03/01/08-02/28/10 \$22,500</p>
<p>The Pennsylvania State University Children, Youth, and Family Consortium</p>	<p>Ram (PI)</p>	<p>08/01/09-07/31/10 30% time</p>

Intraindividual Variability and Aging: Brain Structure and Function

Develop a paradigm for coupling neural activation measures (e.g., fMRI) obtained in “micro-time” to within-person variability outcomes obtained in “macro-time” (hours, days, weeks).

Role: Principal Investigator

The Pennsylvania State University Gatzke-Kopp (PI) 07/01/10-06/30/11
Institute for Neuroscience \$40,000

The Development of Novel Analytic Strategies to Integrate Physiological and Behavioral Measures

Develop modeling techniques for analysis of time-varying measures of parasympathetic nervous system activity and couple those to behavior activity.

Role: Investigator

The Pennsylvania State University Gatzke-Kopp (PI) 05/01/10-04/30/11
Children, Youth and Family Consortium \$20,000

Develop tasks and modeling techniques that allow for identification of multiple profiles of neural structures that underlie risk for behavior problems.

Role: Investigator

The Pennsylvania State University Kordas (PI) 06/17/08-06/16/09
Social Science Research Institute \$10,000

Iron-deficient Overweight/Obesity among Colombian women: The role of high-calorie iron-poor foods, dieting behaviors, and physical activity

Construct, and integrate data sets from the 2005 National Survey of the Nutrition Situation in Columbia to examine relationships among demographic factors, iron deficiency and overweight/obesity.

Role: Investigator

The Pennsylvania State University Feinberg (PI) 10/23/07-10/22/08
Children, Youth, and Family Consortium \$11,960

Applying State-of-the-Art Time Series Methods to Observational Family Data

Develop strategies for application of time series methods to observational family data.

Role: Investigator

The Pennsylvania State University Zarit (PI) 08/21/07-10/30/07
Social Science Research Institute \$5,000

Support for the Society for the Study of Human Development Conference at Penn State

Local organization of and provision of competitive student scholarships for participation in meeting.

Role: Investigator

The Pennsylvania State University Molenaar (PI) 05/01/06-04/30/07
Social Science Research Institute \$4,800

Determining the Research Agenda for the Developmental Systems Group

Establish a research agenda for the Developmental Systems Group through consultation with external consultants.

Role: Investigator

MENTORSHIP AND ADVISING

Current & Past Post-doctoral Mentees

Jonathan Helm (funded from R01 HD076994, Cole & Ram)
Mariya Shiyko (now Assistant Professor at Northeastern University)
Amy Lorek Dattilo (now Research Associate at Center for Health Aging at PSU)
Ng Ee Ching Candice (now Lecturer at Nanyang Technological University, Singapore)

Current & Past Graduate Student Mentees

Lizbeth Benson (co-advisor with David Almeida)
Rachel Koffer (co-advisor with David Almeida)
Lauren Molloy, PhD 2012 (co-advisor with Scott Gest, now PostDoctoral Scholar at UVA)

Faculty Mentor for Training Programs/Grants

IGERT: Big Data Social Science (2012-present)
PAMT: Prevention and Methodology Training (2008-present)
QuaSSI: Quantitative Social Science Initiative (2011-present)
NSF SBE AGEP: National Science Foundation's Social, Behavioral, and Economic Sciences
Alliance for Minorities in Graduate Education and the Professoriate (2007-2010)

David Lydon (2014-2016, PAMT; Human Development and Family Studies)
Katherine Bamberger (2014-2016, F31-NRSA; Human Development and Family Studies)
Rachel Koffer (2013-2015, IGERT; Human Development and Family Studies)
Jason Bendezu (2013-2014, QuaSSI; Psychology)
Katherine Bamberger (2012-2014, PAMT; Human Development and Family Studies)
Nastassia Hajal (2012-2014, F31-NRSA; Psychology)
Peifeng Yin (2012-2013, QuaSSI/IGERT; Computer Science)
David DuPuis (2011-2013, PAMT; Neuroscience)
Elizabeth Weybright (2011-2013, PAMT; Recreation Park Tourism Management)
Amanda Hyde (2011-2012, QuaSSI, Kinesiology)
Kristine Marceau (2011-2012, Strumpf Scholar, Psychology)
Aidan Wright (2010-2011, F31-NRSA; Psychology)
Lauren Molloy (2009-2011, PAMT; Human Development and Family Studies)
Andrea Finlay (2008-2010, PAMT; Human Development and Family Studies)

Dissertation Committees

[Emily LeDonne - ??? 2014; Psychology]
Nastassia Hajal (Jun 2014; Psychology)
Peifeng Yin (May 2014; Computer Science)
Rebecca Bruning (Dec 2013; Kinesiology)
Melissa Peckins (Dec 2013; BioBehavioral Health)
David Dupuis (Jun 2013; Neuroscience)
Elizabeth Weybright (Jun 2013; Recreation Park Tourism Management)
Kate Hanley (Apr 2013; Psychology)
Amanda Hyde (Apr 2013; Kinesiology)
Emily Hazlett (Dec 2012; Human Development and Family Studies)
Lauren Molloy (co-chair, Aug 2012; Human Development and Family Studies)
Deepa Ramanathan (May 2012; Psychology)
Frank Infurna (Jan 2012; Human Development and Family Studies)
Christine Fortunato (Sep 2011; Human Development and Family Studies)
Andrea Finlay (Feb 2011; Human Development and Family Studies)
Azza Abu Dagga (Mar 2009; Health Policy Administration)

Masters Thesis Committees

Rachel Koffer (Co-chair, Jun 2014; Human Development and Family Studies)
Jennifer Morack (Co-chair, May 2011; Human Development and Family Studies)
Amanda Hyde (Nov 2010; Kinesiology)
Phuong Pham (Dec 2008; Human Development and Family Studies)

Undergraduate Honors Thesis Committees

Krista Burlsem (May 2010; Human Development and Family Studies)

TEACHING

Undergraduate Courses

Empirical Inquiry in Human Development (Fall 2007, Fall 2008)

Graduate Courses

Multivariate Strategies for Data Analysis in Developmental Research (Spring 2012)
Applied Longitudinal Data Analysis (Spring 2010, Spring 2011, Spring 2013)
Research Methods in Developmental Processes (Spring 2008, Spring 2009)

Workshops

Australian Research Council Centre of Excellence in Population Ageing Research. (June 18-22, 2012). *Applied longitudinal data analysis: An introduction*. Australian National University, Canberra, NSW.

Society for Research on Child Development: Developmental Methodology Themed Conference. (February 8, 2012). *Growth modeling workshop: Articulating developmental change with simple and complex growth models*. Tampa, FL.

National Institutes on Health: Opportunities in data visualizations and visual analytics for behavioral and social sciences research. (January 30, 2012). *Intraindividual variability: Pushing change back into a real-time world*. NIH Campus, Bethesda, MD.

Center for Research Methods and Data Analysis. (November 8-10, 2011). *Strategies for Analysis of Intraindividual Variability and Change*. University of Kansas, Lawrence, KS.

German-Israeli Research Consortium: Migration and Societal Integration. (November 12-16, 2008). *Growth curve models and extensions: Methods for the description of developmental change*. Tel Aviv University, B.I. and Lucille Cohen Institute for Public Opinion Research, Tel Aviv, Israel.

Schiefelbusch Institute for Life Span Studies. (April 4, 2007). *Intraindividual variability: Weaving through the warp and woof*. University of Kansas, Lawrence, KS.

American Psychological Association Advanced Training Institute. (June 5-9, 2006). *Structural Equation Modeling in Longitudinal Research*. University of Virginia, Charlottesville, VA.

Center for Developmental and Health Research Methodology. (December 1 & 8, 2005). *Introduction to Structural Equation Modeling*. University of Virginia, Charlottesville, VA.

Research Designs for Studying Stress and Support Processes. (July 8, 2005). *Practical Applications for the Analysis of Longitudinal Data*. New York University, New York, NY.

Longitudinal Research Institute. (June 22-26, 2005). *Structural Equation Modeling in Longitudinal Research*. University of Southern California, Los Angeles, CA.

American Psychological Association Advanced Training Institute. (June 13-18, 2005). *Structural Equation Modeling in Longitudinal Research*. University of Virginia, Charlottesville, VA.

Youth and Society Research Group: Canadian Institutes of Health Research – New Emerging Team. (April 25-27, 2005). *Introductory Structural Equation Modeling and Longitudinal Methods for the Analysis of Growth and Change*. University of Victoria, Victoria, BC, Canada.

Gender and Aggression Project: Canadian Institutes of Health Research – New Emerging Team. (April 21-23, 2005). *Introductory Structural Equation Modeling and Longitudinal Methods for the Analysis of Growth and Change*. Simon Fraser University, Burnaby, BC, Canada.

American Psychological Association Advanced Training Institute. (August 1-3, 2004). *Structural Equation Modeling in Longitudinal Research*. University of Hawaii, Honolulu, HI.

Longitudinal Research Institute. (May 17-21, 2004). *Structural Equation Modeling in Longitudinal Research*. University of Michigan, Ann Arbor, MI.

Longitudinal Research Institute. (June 9-14, 2003). *Longitudinal Methods, Measurement, and Models*. University of Virginia, Charlottesville, VA.

American Psychological Association Advanced Training Institute. (June 2-7, 2003). *Longitudinal Methods, Measurement, and Models*. University of Virginia, Charlottesville, VA.

INVITED LECTURES

Ram, N. (2014, November). Trying to connect the leopard's spots: Using paradigms from systems biology to study individuals' emotion regulation. *Center for Infectious Disease Dynamics, Pennsylvania State University, University Park, PA.*

Ram, N. (2014, October). Modeling multiple time-scales of development: Sounds, animations, tweets and mobile data. *Department of Human Development, Cornell University, Ithaca, NY.*

Ram, N. (2014, October). Examining the interplay of processes across multiple time-scales: Illustration with iSAHIB. *Society for the Study of Human Development. Online webinar.*

Schulkowsky, R. & **Ram, N.** & (2014, September). Listening for Silence and Beats in the Data Forest: Sonik + Technik. *Humanities and Arts in the Integrated Knowledge University (HAIKU) Conference, University of Pennsylvania, Philadelphia, PA.*

Ram, N. & Coccia, M. (2014, September). Generating a multiple timescale mega-analysis: Affective functioning across the lifespan. *QuantDev Seminar, Pennsylvania State University, University Park, PA.*

Ram, N. (2014, May). Exploring developmental models of emo-regulation: Recent inspirations from the leopard's spots. *Quantitative Brown Bag, Department of Psychology, University of California, Davis, Davis, CA.*

Ram, N. (2014, April). Multiple time-scale design and analysis: Glimpses of big data and big gaps. *NIA Pre-conference, Society for Affective Science, Washington, DC.*

Ram, N. (2014, March). Families as coordinated symbiotic systems: Making use of nonlinear dynamic models. *Berkeley Psychophysiology Laboratory, Department of Psychology, University of California, Berkeley, Berkeley, CA.*

Ram, N. (2014, February). Moving into a data rich world: Implications for developmental theory and method. *Carolina Consortium on Human Development, Center for Developmental Science, Chapel Hill, NC.*

Ram, N. (2014, January). Erosion and regulation of emo-land across the life span: Ideas emerging in the modeling of multiple time-scale experience sampling data. *Affective Science Seminar, Department of Psychology, Stanford University, Stanford, CA.*

Ram, N. (2013, November). Temptations of a person-specific approach: Pushing change into a real-time world. *Center for Advanced Study of Behavioral Science at Stanford University, Stanford, CA.*

- Ram, N.** (2013, November). Modeling multiple time-scales of development: Sounds, animations, games, tweets, and mobile data. *Department of Psychology, University of Kentucky*, Louisville, KY.
- Ram, N.** & Schulkowsky, R. (2013, September). Time-oriented design and data analysis. *30th Anniversary Colloquium on Happiness Studies in the German Socioeconomic Panel Study*, Berlin, Germany.
- Ram, N.** (2013, August). Articulating change in developmental and family systems: Games, animations, tweets, & sounds. *College of Health and Human Sciences, Colorado State University*, Fort Collins, CO.
- Ram, N.** (2013, May). Time-oriented design and data analysis: Playing with new mediums. *LIFE Academy, University of Michigan*, Ann Arbor, MI.
- Ram, N.** & Coccia, M. (2012, October). Expanding within-person density distributions into behavioral landscapes: A geographic approach to emotional variability. *Emotion Special Interest Group, Center for Health Aging, Pennsylvania State University*, University Park, PA.
- Ram, N.**, Orland, B.O., Coccia, M. & Ng, C. (2012, October). Time-Oriented Design and scYence (TODAY): 6 Contemporary mediums for intervention. *Prevention Research Center, Pennsylvania State University*, University Park, PA.
- Ram, N.** (2012, September). Time metrics and time scales: 'Development' by proxy. *Workshop on Longitudinal Studies in Gerontology. Institute of Gerontology*, Jönköping, Sweden.
- Ram, N.** (2012, August). Exploring a person-specific / developmental perspective. *IGERT in Aging Sciences, Oregon State University*, Corvallis, OR.
- Ram, N.** (2012, May). Measurement and multiple time scales: Affordances and difficulties of a person-specific perspective. *Department of Psychology, Stanford University*, Palo Alto, CA.
- Ram, N.**, Grimm, K., & Shiyko, M. (2012, February). An overview of growth mixture models with a simple nonlinear application in OpenMX. *Population Research Institute, Pennsylvania State University*, University Park, PA.
- Ram, N.**, Coccia, M., & Molloy, L. (2011, December). Analyzing large-scale EMA data from a person-specific perspective: Pushing into a 'real-time' world. *Center for Lifespan Psychology, Max Planck Institute for Human Development*. Berlin, Germany.
- Ram, N.**, Coccia, M., & Molloy, L. (2011, November). Analyzing large-scale EMA data from a person-specific perspective: Pushing into a 'real-time' world. *Center for Research Methods and Data Analysis, University of Kansas*, Lawrence, KS.
- Ram, N.**, Coccia, M., & Molloy, L. (2011, October). Analyzing large-scale EMA data from a person-specific perspective using dynamic factor analysis and social network analysis. *HDFS Methods Lunch Series, Pennsylvania State University*. University Park, PA.
- Ram, N.** (2011, October). Dreaming of real-time assessment, analysis, and intervention: An intraindividual approach. *The Methodology Center, Pennsylvania State University*, University Park, PA.
- Ram, N.** (2011, August). Intraindividual Consilience: Tools emerging from the interdisciplinary interface. *Oregon State University*, Corvallis, OR.
- Ram, N.**, Grimm, K. Molenaar, P., Gerstorf, D., & Kenyon, M. (2011, May). Real-time assessment, analysis, and intervention: Next generation burst design. *Festschrift in Honor of John R. Nesselroade, University of Virginia*, Charlottesville, VA.
- Gerstorf, D. & **Ram, N.** (2011, May). Inquiry into Terminal Decline: Lessons to be learned from Baltes' and Nesselroade's work on the rationales for developmental research. *Festschrift in Honor of John R. Nesselroade, University of Virginia*, Charlottesville, VA.
- Ram, N.** (2011, January). Intraindividual Consilience Part II: Time metrics, time scales, and bursts. *Department of Human Development and Family Studies, Colorado State University*. Fort Collins, CO.

- Ram, N.** (2011, January). Intraindividual Consilience Part I: A framework for studying the development of dynamic constructs. *Department of Human Development and Family Studies, Colorado State University*. Fort Collins, CO.
- Ram, N.** (2010, June). Intraindividual variability and change: Tools for examining the development of dynamic constructs. *Advances in Longitudinal Methods for the Behavioral and Social Sciences*. College Park, MD.
- Ram, N.** (2010, May). The multidimensional nature of late life decline: Insights obtained from the interplay of theory methods (and data). *International Max Planck Research School (LIFE), University of Virginia*. Charlottesville, VA.
- Ram, N.** (2009, December). Methods for the study of development – Developing methods. *Developmental Proseminar, Pennsylvania State University*. University Park, PA.
- Ram, N.** (2009, September). Extracting universals and unique: Perspectives emerging from the study of intraindividual variability. *HDFS Methods Lunch Series, The Pennsylvania State University*. University Park, PA.
- Ram, N.** (2009, September). Extracting universals and unique: Perspectives emerging from the study of intraindividual variability. *Quantitative Forum, University of North Carolina*. Chapel Hill, NC.
- Ram, N.** (2009, May). Universal vs. unique developmental outcomes. *Department of Psychology, University of California, Davis*. Davis, CA.
- Ram, N.** & Nesselroade, J. R. (2009, May). Time for change? Redefining and reconsidering the role of factorial invariance in psychological inquiry. *Association for Psychological Science Annual Meeting*. San Francisco, CA.
- Ram, N.** (2009, March). A technique and rationale for embedding demographic and developmental data. *Center for Developmental and Health Research Methodology, University of Virginia*. Charlottesville, VA.
- Ram, N.**, & Gerstorf, D. (2008, October). Aging and dying: Individual-, community-, and country-level influences on changes in life satisfaction. *Population Research Institute, Pennsylvania State University*. University Park, PA.
- Ram, N.** (2008, September). Universal vs. unique developmental outcomes: A “backwards” approach to assessing interventions?. *Applied Social Psychology Colloquium, Colorado State University*. Fort Collins, CO.
- Ram, N.** (2008, September). Developmental and experimental aging: Matching method to theory. *Aging Research Colloquium Series, Colorado State University*. Fort Collins, CO.
- Ram, N.** (2008, September). Can we save each other?: Developing techniques and rationale for embedding demographic and developmental data. *HDFS Methods Lunch Series, The Pennsylvania State University*. University Park, PA.
- Gerstorf, D., & **Ram, N.** (2008, July). Late-life decline in well-being: Longitudinal evidence for links to distance-to-death. *German Socioeconomic Panel Study (SOEP). German Institute for Economic Research*. Berlin, Germany.
- Gerstorf, D., & **Ram, N.** (2008, July). Aging and dying: Time metrics for charting late-life change in well-being. *Jacobs Center on Lifelong Learning and Institutional Development, Jacobs University*. Bremen, Germany.
- Ram, N.**, & Gerstorf, D. (2008, July). Intraindividual variability and aging: Summary, review, and new concerns. *Intravarnet 2008 Working Group Meeting*. Dölln, Germany.
- Ram, N.** (2008, June). Selection and selection effects: Some implications for study design. *International Max Planck Research School (LIFE), Max Planck Institute for Human Development*. Berlin, Germany.
- Ram, N.** (2008, June). Intraindividual dynamics: Weaving through the warp and the woof. *International Max Planck Research School (LIFE), Max Planck Institute for Human Development*. Berlin, Germany.

- Ram, N.** (2008, April). Upside-down growth curves?: An alternative method for modeling multivariate change. *HDFS Methods Lunch Series, The Pennsylvania State University*. University Park, PA.
- Ram, N.** (2007, November). Universal vs. unique developmental outcomes: A “backwards” approach to assessing interventions?. *Prevention Research Center, The Pennsylvania State University*. University Park, PA.
- Ram, N.** (2007, June). Combining universals and uniques: Explorations at the interface of observations, individuals, & populations. *Department of Educational Sciences and Psychology, Free University of Berlin*. Berlin, Germany.
- Ram, N.** (2007, June). Examining developmental and experimental change: Attempts to match method to theory. *Center for Lifespan Psychology, Max Planck Institute for Human Development*. Berlin, Germany.
- Ram, N.** (2007, June). Late-life changes in emotion and well-being. *Escola de Artes, Ciências e Humanidades, Universidade de São Paulo*. São Paulo, Brazil.
- Ram, N., Carstensen, L. L., & Nesselroade, J. R.** (2007, May). Developmental changes in the structure of emotional experience: Matching method to theory. *Association for Psychological Science Annual Meeting*. Washington, DC.
- Ram, N.** (2007, January). Modeling intra-person dynamics: Extending an intraindividual variability perspective. *International Max Planck Research School (LIFE), Max Planck Institute for Human Development*. Berlin, Germany.
- Ram, N.** (2006, November). Increases in ability with age? Using developmental theory to build the methods for finding them. *Gerontology Center Colloquia Series, Pennsylvania State University*. University Park and Hershey, PA.
- Carstensen, L. L., & **Ram, N.** (2006, October). Emotion and cognition: Conceptual and theoretical advances. *Social Structures and Aging Individuals: Continuing Challenges, Penn State Social Structures Conference*. University Park, PA.
- Ram, N.** (2006, September). Cooking with factor analysis: Using the rotisserie to make 3 flavors of “invariance”. *HDFS Methods Lunch Series, The Pennsylvania State University*. University Park, PA.
- Ram, N.** (2006, September). Moving towards an observation-oriented approach: Preliminary applications in studies of therapeutic treatment of sexual deviancy and successful aging. *The Methodology Center, Pennsylvania State University*. University Park, PA.
- Ram, N.** (2006, September). Production and dispersion of cortisol: Using growth curves to articulate a “developmental process”. *HDFS Methods Lunch Series, The Pennsylvania State University*. University Park, PA.
- Ram, N.** (2006, September). Multiple group growth curves: Differences, mixtures, and the fuzzies. *HDFS Methods Lunch Series, The Pennsylvania State University*. University Park, PA.
- Gerstorf, D., & **Ram, N.** (2006, July). Successful aging among the oldest old: Longitudinal findings from the Berlin Aging Study. *Center for Lifespan Psychology, Max Planck Institute for Human Development*. Berlin, Germany.
- Ram, N.** (2006, July). Combining universal & unique: Three explorations of individual-level & population-level changes. *Center for Lifespan Psychology, Max Planck Institute for Human Development*. Berlin, Germany.
- Ram, N.** (2006, June). Ecological dynamics for the psychological: Interdisciplinary theory and method. *Modeling Interdependent Data in Developmental Psychology (NSF-sponsored conference)*. Lawrence, KS.
- Ram, N.** (2006, February). Intraindividual structure and intraindividual dynamics: Interfacing developmental theory, method and data. *Department of Human Development & Family Studies, The Pennsylvania State University*. University Park, PA.

- Ram, N.** (2005, April). Modeling intraindividual variability: Transactions, structures, and changes. *Centre on Aging, University of Victoria*. Victoria, BC, Canada.
- Ram, N.** (2005, April). Analyzing change using dynamical systems models: An introduction. *New York University*. New York, NY.
- Ram, N.** (2005, January). Intraindividual structure, cyclicity, and dynamics: Findings from three longitudinal studies. *Arizona State University*. Tempe, AZ.
- Ram, N.** (2005, January). Modeling intraindividual variability: An introduction to P-technique and dynamic factor analysis. *Arizona State University*. Tempe, AZ.
- Ram, N.** (2004, December). Intraindividual variability: Findings from three longitudinal studies of emotional experience. *New York University*. New York, NY.
- Ram, N.** (2004, February). Multilevel linear and sinusoidal modeling of age differences at the cognitive/affective/temperament interface. *University of California – Davis*. Davis, CA.
- Ram, N.** (2004, February). Age differences at the cognitive/affective/temperament interface. *Stanford University*. Palo Alto, CA.
- Ram, N.** (2003, July). Dynamic factor analysis and daily emotion diaries. *New York University*. New York, NY.
- Ram, N.** (2001, June). Observational learning: Strategies for enhancing athlete motivation. *University of Virginia Sport Psychology Conference*. Charlottesville, VA.
- Ram, N.** (2001, January). Modeling: Strategies for effective demonstrations. *ACAC Fitness and Wellness Center*. Charlottesville, VA.

CONFERENCE PAPERS, POSTERS, & SYMPOSIA

- *Hülür, G., **Ram, N.**, Schade, H. & Gerstorf, D. (2014, November). Empathy in the daily lives of older couples. *Gerontological Society of America*, Washington, DC.
- *Hülür, G., **Ram, N.**, Willis, S., Schaie, K.W. & Gerstorf, D. (2014, November). Cognitive dedifferentiation with increasing age and proximity to death: Within-person evidence from the Seattle Longitudinal Study. *Gerontological Society of America*, Washington, DC.
- *Krupka, S., Infurna, F., Demuth, I., Schöllgen, I., **Ram, N.** & Gerstorf, D. (2014, November). Does cause of death moderate late-life change in well-being?. *Gerontological Society of America*, Washington, DC.
- Mejia, S., Chui, H., & **Ram, N.** (2014, November). Navigating the complexity of daily life: The interplay of emotional, health, interpersonal, and cognitive processes. *Gerontological Society of America*, Washington, DC.
- Mogle, J., Scott, S., Sliwinski, M., Katz, M., Smyth, J., & **Ram, N.** (2014, November). Within- and across-day stressor accumulation: Differential impact on negative affect. *Gerontological Society of America*, Washington, DC.
- *Liu, Y., **Ram, N.**, Kim, K., Almeida, D. & Zarit, S. (2014, November). Daily fluctuations in negative affect for family caregivers of individuals with dementia: Effect of daily experiences and adult day services. *Gerontological Society of America*, Washington, DC.
- Ram, N.**, & Reeves, B. (2014, November). Longitudinal methods in the study of human aging: It's time to speed up the process. *Gerontological Society of America*, Washington, DC.
- Sliwinski, M., Mogle, J., Scott, S., Almeida, D., Smyth, J., **Ram, N.**, Katz, M., & Lipton, R. (2014, November). Momentary unconstructive repetitive thoughts mediate the effects of chronic stress on cognitive function assessed in daily life. *Gerontological Society of America*, Washington, DC.
- Vogel, N. Gerstorf, D., **Ram, N.**, Göbel, J., & Wagner, G. (2014, November). How do local care amenities shape late-life development in well-being? *Gerontological Society of America*, Washington, DC.

- Wagner, J. Gerstorff, D., & **Ram, N.** (2014, November). Personality development late in life: Antecedents and correlates of stability and change. *Gerontological Society of America*, Washington, DC.
- Chow, S-M., Bendezu, J. J., Cole, P. M., & **Ram, N.**, (2014, October). Capturing the regulation in emotional self-regulation. *Society for Multivariate Experimental Psychology*, Nashville, TN.
- Bendezu, J. J., Chow, S-M., Cole, P. M., **Ram, N.**, & Tan, P. Z. (2014, July). Capturing the regulation in emotional self-regulation. *International Conference on Infancy Studies*, Berlin, Germany.
- Bamberger, K.T., Coatsworth, J.D., Fosco, G.M., & **Ram, N.** (2014, May). Patterns and family-level predictors of change in parents' engagement in a family preventive intervention. *Society for Prevention Research*, Washington, D.C.
- Bamberger, K.T., Coatsworth, J.D., & **Ram, N.** (2014, May). Preliminary results on change and variability in outcomes from an intensive daily data collection with intervention participants. *Society for Prevention Research*, Washington, D.C.
- Gerstorff, D., **Ram, N.**, *Infurna, F., Schupp, J., & Wagner, G. G. (2013, November). Well-being in late life: The role of key social indicators of quality of life. *Gerontological Society of America*, New Orleans, LA.
- *Hülür, G., Hertzog, C., Pearman, A., **Ram, N.**, & Gerstorff, D. (2013, November). Longitudinal associations of subjective memory performance and depressive affect: Between-person and within-person perspectives. *Gerontological Society of America*, New Orleans, LA.
- *Koffer, R., **Ram, N.**, *Coccia, M., Conroy, D., & Almeida, D. (2013, November). Stress processes: Reactivity, exposure, and entropy across 60 days and 70 years. *Gerontological Society of America*, New Orleans, LA.
- *Schöllgen, N., **Ram, N.**, & Gerstorff, D., (2013, November). Between-person and within-person associations among well-being and health across adulthood and old age. *Gerontological Society of America*, New Orleans, LA.
- *Vogel, N., **Ram, N.**, *Coccia, M., Conroy, D., & Gerstorff, D., (2013, November). Age-related differences in the influence of social context on moment-to-moment fluctuations in affect. *Gerontological Society of America*, New Orleans, LA.
- Ram, N.**, Tucker, C. S., Gest, S., Giles, C. L., *Coccia, M., & Gerstorff, D. (2013, November). Opportunities for multiple time-scale assessment and analysis: Glimpses of 'low-dimensional' big data. *Gerontological Society of America*, New Orleans, LA.
- *Lorek, A., Dattilo, J., *Coccia, M., & **Ram, N.** (2013, October). Examining the relationship between major life events and leisure. *The Leisure Research Symposium*. Houston, TX.
- *Weybright, E. H., **Ram, N.**, Caldwell, L. L., Smith, E. A., & Wegner, L. (2013, October). The dynamic association between healthy leisure and South African adolescent substance use. *National Recreation and Park Association Annual Congress, Leisure Research Symposium*, Houston, TX.
- *Weybright, E. H., **Ram, N.**, Caldwell, L. L., Smith, E. A., & Wegner, L. (2013, May). Assessing the influence of healthy leisure on South African adolescent substance use trajectories: A growth mixture modeling approach. *Society for Prevention Research*, San Francisco, CA.
- *Lo, L.L., **Ram, N.**, Molenaar, P.C.M., & Rovine, M.J. (2013, April). A person-specific hybrid Kalman filter approach for transactional models of development. *Society for Research on Child Development*, Seattle, WA.
- Ram, N.**, *Coccia, M., *Davis, E., *Fortunato, C., Gatzke-Kopp, L., & Buss, K. (2013, April). Going nonlinear in response to challenging situations: Modeling children's physiological reactivity. *Society for Research on Child Development*, Seattle, WA.
- Gerstorff, D., Heckhausen, J., **Ram, N.**, *Infurna, F., Schupp, J., & Wagner, G. G. (2012, November). *Perceived effective control of development buffers terminal drop in well-being*. *Gerontological Society of America*, San Diego, CA.

- Heckhausen, J., *Infurna, F., Gerstorf, D., **Ram, N.**, Schupp, J., & Wagner, G. G. (2012, November). *Perceived control facilitates adjustment to unemployment: Findings from the German Socio-Economic Panel Study (SOEP)*. *Gerontological Society of America*, San Diego, CA.
- Hooker, K., Mejia, S., Pham, T., Metoyer, R. & **Ram, N.** (2012, November). Burst vs. daily measurement: Issues in capturing intraindividual variability. *Gerontological Society of America*, San Diego, CA.
- Hopmann, C., Gerstorf, D., *Infurna, F., & **Ram, N.** (2012, November). Perceptions about future time and well-being in old age: Evidence from the Berlin Aging Study and the Health and Retirement Study. *Gerontological Society of America*, San Diego, CA.
- *Hülür, G., **Ram, N.**, & Gerstorf, D. (2012, November). Developmental associations between cognitive plasticity and long-term cognitive changes in the Berlin Aging Study. *Gerontological Society of America*, San Diego, CA.
- *Infurna, F., Gerstorf, D., & **Ram, N.** (2012, November). The nature and correlates of change in depressive symptoms with cancer diagnosis: Reaction and adaptation. *Gerontological Society of America*, San Diego, CA.
- *Morack, J., *Infurna, F., **Ram, N.**, & Gerstorf, D. (2012, November). Trajectories and correlates of change in the physical and mental health scales of the SF-36 across adulthood and old age. *Gerontological Society of America*, San Diego, CA.
- *Fortunato, C. K., Gatzke-Kopp, L., & **Ram, N.** (2012, September). Parasympathetic reactivity to specific emotional experiences: Relation to children's symptoms of internalizing and externalizing problems. *Society for Psychophysiological Research*, New Orleans, LA.
- Gerstorf, D., **Ram, N.**, *Infurna, F. J., Schupp, J., Wagner, G. G., & Heckhausen, J. (2012, July). Major life events shape well-being through little ups and big downs: Findings from the German Socio-Economic Panel Study (SOEP). *International Congress of Psychology*, Cape Town, South Africa.
- *Weybright, E. H., **Ram, N.**, Caldwell, L. L., Smith, E. A., Wegner, L., & Jacobs, J. (2012, May). A between- and within-person look into the coupling of boredom and substance use in South African adolescents. *Society for Prevention Research*, Washington, DC.
- *Lo, L. L., Molenaar, P., Rovine, M., & **Ram, N.** (2012, February). Modeling dynamics in unequally spaced data: EMA applications. *Society for Research on Child Development Developmental Methods Themed Conference*, Tampa, FL.
- Molenaar, P., & **Ram, N.** (2012, February). Modeling individual and dyadic processes: New multivariate time series methods applied from brain to body. *Society for Research on Child Development Developmental Methods Themed Conference*, Tampa, FL.
- Ram, N.**, *Coccia, M., *Molloy, L., Conroy, D., Pincus, A., Gerstorf, D., & Molenaar, P. (2012, February). Using measurement at multiple time-scales to articulate developmental theory. *Society for Research on Child Development Developmental Methods Themed Conference*, Tampa, FL.
- Ram, N.** & Molenaar, P. (2012, February). Modeling the complexities of behavioral process: Innovations at the leading edge of EMA and diary data analysis. *Society for Research on Child Development Developmental Methods Themed Conference*, Tampa, FL.
- *Shiyko, M., **Ram, N.**, Li, R., Conroy, D., & Pincus, A. (2012, February). Time-varying effects model: Momentary health and stress as moderators of perception of social interactions. *Society for Research on Child Development Developmental Methods Themed Conference*, Tampa, FL.
- Ernst-Bravell, M., Fauth, E. B., Gerstorf, D., & **Ram, N.** (2011, November). The role of gender in late-life changes of objective and subjective markers of physical functioning. *Gerontological Society of America*, Boston, MA.

- Fauth, E. B., Ernst-Bravell, M., Gerstorf, D., & **Ram, N.** (2011, November). Trajectories of objective and subjective markers of physical functioning predict institutionalization and mortality. *Gerontological Society of America*, Boston, MA.
- Finkel, D. & **Ram, N.** (2011, November). Intraindividual variability and aging: Self-inconsistency and cognitive decline. *Gerontological Society of America*, Boston, MA.
- Gerstorf, D., & **Ram, N.** (2011, November). Where people live and die makes a difference: Individual and contextual effects on well-being progression at the end of life. *Gerontological Society of America*, Boston, MA.
- Gerstorf, D., & **Ram, N.** (2011, November). *Contextual effects on individual development across adulthood and old age*. *Gerontological Society of America*, Boston, MA.
- Ram, N.**, & Gerstorf, D. (2011, November). 'Next generation' longitudinal burst designs: Benefits and costs of intensive examinations of emotional and physical health. *Society of America*, Boston, MA.
- Ram, N.**, Conroy, D., Pincus, A., Feldman, J., *Lorek-Datillo, A., & Gerstorf, D. (2011, November). Moving towards real-time assessment and intervention: dynamics of age, health, and well-being. *Gerontological Society of America*, Boston, MA.
- Ram, N.**, Conroy, D., Pincus, A., *Lorek Datillo, A., *Hyde, A., & *Roche, M. (2011, November). Age differences in affect complexity: Is it actually age-related heterogeneity of context?. Paper to be presented at *Gerontological Society of America*, Boston, MA.
- *Gates, K.M., Molenaar, P.C.M., Rovine, M. & **Ram, N.** (2011, July). Accommodating nonergodicity across individual processes using GIMME. *International Meeting of the Psychometric Society*. Hong Kong, China.
- *Shiyko, M., & **Ram, N.** (2011, June). Conceptualizing and estimating process speed in studies employing ambulatory assessments: A multilevel variance decomposition approach. *Society of Ambulatory Assessments*, Ann Arbor, MI.
- Gerstorf, D., **Ram, N.**, *Infurna, F. J., *Michalski, N., Schupp, J., & Wagner, G. G. (2011, May). Using natural experiments and data collected over long-term and short-term time scales to better understand adult changes in well-being. *Association for Psychological Science*, Washington, DC.
- *Finlay, A. K., Maggs, J. L., Flanagan, C., **Ram, N.** & Schulenberg, J. E. (2011, April). Adolescents' discretionary activities across time: Combinations of civic engagement, free time, and alcohol use. *Society for Research on Child Development*, Montreal, Canada.
- *Marceau, K., **Ram, N.**, Susman, E.J. (2011, April). The impact of pubertal timing and tempo of parent-child closeness and conflict. *Society for Research on Child Development*, Montreal, Canada.
- Ram, N.**, Kenyon, M., Sliwinski, M., & Molenaar, P. C. M. (2011, April). Longitudinal panel studies are at risk of becoming 'Old School': Can our newfangled methods save them? *Society for Research on Child Development*, Montreal, Canada.
- *Hughes, S., Pincus, A., Conroy, D., *Hyde, A. & **Ram, N.** (2011, March). Big 5 personality predictors of flux, pulse, and spin in interpersonal perception, interpersonal behavior, and affect. *Society for Personality Assessment*, Boston, MA.
- Fauth, E. B., Gerstorf, D., & **Ram, N.** (2010, November). Comparing three time-metrics to observe changes in late-life depression over aging, disablement, and mortality processes. *Gerontological Society of America*, New Orleans, LA.
- Gerstorf, D., & **Ram, N.** (2010, November). The multidimensional nature of late-life decline: Insights gained by continuous theory-methods interplay. *Gerontological Society of America*, New Orleans, LA.
- *Infurna, F. J., Gerstorf, D., **Ram, N.**, Schupp, J., & Wagner, G. G. (2010, November). Long-term antecedents and outcomes of perceived control: Links to social participation, life satisfaction, health, and mortality across adulthood and old age. *Gerontological Society of America*, New Orleans, LA.

- Ram, N.**, & Gerstorf, D. (2010, November). Aging and the lifespan: The role of health in time and context. *Gerontological Society of America*, New Orleans, LA.
- Francis, L. A., **Ram, N.**, & Susman, E. J. (2010, October). Associations between lability in externalizing behavior and weight gain from age 2 to 15 years. *Obesity Society*. San Diego, CA. Published abstract in *Obesity*, 18 (2), S226.
- *Fortunato, C. K., Gatzke-Kopp, L. M., **Ram, N.**, *Wadlinger, H., & *Beeney, J. (2010, October). Relationships among neurobiology, parenting, and children's psychopathology: Implications for early childhood intervention. *Society of Research in Psychopathology*, Seattle, WA.
- Conroy, D.E., Pincus, A.L., *Hyde, A.L., & **Ram, N.** (2010, May). Sources of intraindividual variation in the rise and fall of self-conscious emotions. *Association for Psychological Science*, Boston, MA.
- Gatzke-Kopp, L., **Ram, N.**, *Fortunato, C., *Wadlinger, H., *Beeney, J. (2010, May). The phenotype problem in externalizing behavior disorders. *Association for Psychological Science*, Boston, MA.
- *Gowda, A., *Valdes, D., *Martino, A., *Hyde, A.L., Conroy, D.E., Pincus, A.L., & **Ram, N.** (2010, May). Personality and situational predictors of social avoidance in college students. *Association for Psychological Science*, Boston, MA.
- *Hyde, A.L., Conroy, D.E., Pincus, A.L., & **Ram, N.** (2010, May). Intra- and interindividual associations between physical activity and daily affect. *Association for Psychological Science*, Boston, MA.
- *Molloy, L.E., *Hyde, A.L., Conroy, D.E., Pincus, A.L., & **Ram, N.** (2010, May). Self-consistency and correspondence: Intraindividual variation and covariation in control and self-esteem. *Association for Psychological Science*, Boston, MA.
- Pincus, A.L., Conroy, D.E., *Hyde, A.L., & **Ram, N.** (2010, May). Pathological narcissism and the dynamics of self-conscious emotions. *Association for Psychological Science*, Boston, MA.
- Gerstorf, D., **Ram, N.**, Hoppman, C., Willis, S. L., & Schaie, K. W. (2010, April). Fluid and crystallized abilities in the Seattle Longitudinal Study: Cohort differences in cognitive aging and cognitive dying. *Cognitive Aging Conference*, Atlanta, GA.
- *Goode, T., **Ram, N.**, Gerstorf, D., Smith, J., & Lindenberger, U. (2010, April). Aging and dying: Interplay among sample selectivity, mortality, and rates of cognitive decline. *Cognitive Aging Conference*, Atlanta, GA.
- Ram, N.**, Gerstorf, D., Fauth, E., Zarit, S., & Malberg, B. (2010, April). Aging, disablement, and dying: Using time-as-process and time-as-resources metrics to chart late-life change. *Cognitive Aging Conference*, Atlanta, GA.
- *Marceau, K., **Ram, N.**, Susman, E. J. (2010, March). Individual differences in timing and tempo of pubertal development: A novel application of non-linear growth models. *Society for Research in Adolescence*, Philadelphia, PA.
- *Molloy, L. E., **Ram, N.**, & Gest, S. D. (2010, March). Lability in early adolescents' self-perceived competence: Within- and between-person variation. *Society for Research in Adolescence*, Philadelphia, PA.
- Gerstorf, D., **Ram, N.**, Schupp, J., Lindenberger, U. & Wagner, G. G. (2009, November). Late-life decline in well-being: Replicating and extending evidence from the Berlin Aging Study using national surveys from Germany, the UK, and the US. *Gerontological Society of America*, Atlanta, GA.
- Gerstorf, D., **Ram, N.**, Willis, S. L., & Schaie, K. W. (2009, November). The multidimensional nature of psychological change across adulthood and old age: Cohort differences in aging and dying. *Gerontological Society of America*, Atlanta, GA.
- Ram, N.**, & Gerstorf, D. (2009, November). Intraindividual variability and change: Tools for examining the aging of dynamic characteristics and processes. *Gerontological Society of America*, Atlanta, GA.

- Ram, N.**, Gerstorf, D., Willis, S. L., & Schaie, K. W. (2009, November). The Seattle Longitudinal Study: Classic, efficient design – elegantly hip and getting better with age. *Gerontological Society of America*, Atlanta, GA.
- *Gates, K. Gatzke-Kopp, L., & **Ram, N.** (October, 2009). Profiling within-group heterogeneity using psychophysiological markers. *Society for Psychophysiological Research*, Berlin, Germany.
- Gatzke-Kopp, L., **Ram, N.**, *Karalunas, S., *Fortunato, C., *Jetha, M., & *Gates, K. (October 2009). The relationship of motivation and cognition in reinforcement processing. *Society for Psychophysiological Research*, Berlin, Germany. Symposium Abstract: The Psychophysiology of Developmental Psychopathology, *Psychophysiology*, 46, s27-s28.
- Szerlip, N., *Rutter, C., **Ram, N.**, Yovino, S., Kim, W. W., & Regine, W. F. (October, 2009). The effects of glycemic control on volumetric white matter change (WMC) after whole brain radiation therapy. *Congress of Neurological Surgeons*, New Orleans, LA.
- *Finlay, A., **Ram, N.**, & Maggs, J. M., & Caldwell, L. L. (2009, October). Does college student alcohol use vary across days as a function of daily routine activities?. *Society for the Study of Emerging Adulthood*, Atlanta, GA.
- *Molloy, L. E., **Ram, N.**, & Gest, S. D. (2009, September). Uncertainty in early adolescents' self-perceived competence: Within- and between-person variation. *International Institute of Developmental Science*, Chapel Hill, NC.
- *Wright, A.G.C., Pincus, A.L., & **Ram, N.** (2009, May). A new approach to interpersonal analysis: The interpersonal radex. *Society for Interpersonal Theory and Research*. Toronto, Canada.
- Fauth, E. B., Gerstorf, D., **Ram, N.**, Zarit, S. H., & Berg, S. (2008, November). Depression and disablement processes: Describing and predicting resilient pathways. *Gerontological Society of America Annual Meeting*. National Harbor, MD.
- Ram, N.**, & Gerstorf, D. (2008, November). Aging and the lifespan: Revisiting the role of "age" from biological, functional, psychological and social perspectives. *Gerontological Society of America Annual Meeting*. National Harbor, MD.
- Gerstorf, D., **Ram, N.**, Ghisletta, P., McArdle, J. J., Smith, J., & Lindenberger, U. (2008, July). Processes of decline in late-life: Distance from birth vs. distance-to-death. *XXIX International Congress of Psychology*, Berlin, Germany.
- Ram, N.** (2008, July). Placing aging individuals within an aging (and dying) population: Integrating development and selection. *XXIX International Congress of Psychology*, Berlin, Germany.
- Ram, N.**, Gerstorf, D., Lindenberger, U. & Smith, J. (2008, July). Linking days to decades: Late-life intraindividual variability across domains. *XXIX International Congress of Psychology*, Berlin, Germany.
- Staudinger, U., Freund, A. M., Gerstorf, D., & **Ram, N.** (2008, July). The quest for biological-cognitive underpinnings of emotional development in old age: Evidence for dynamic linkages. *XXIX International Congress of Psychology*, Berlin, Germany.
- Gerstorf, D., **Ram, N.**, Estabrook, R., Schupp, J., Wagner, G. G., & Lindenberger, U. (2008, April). Life satisfaction shows terminal decline in old age: Longitudinal evidence from the German Socio-Economic Panel Study. *Cognitive Aging Conference*, Atlanta, GA.
- Ram, N.**, Gerstorf, D., Smith, J. & Lindenberger, U. (2008, April). Prototypical pathways of multidimensional aging: An alternative method for modeling multivariate change. *Cognitive Aging Conference*, Atlanta, GA.
- Gerstorf, D., **Ram, N.**, & Hardy, M. (2007, November). Variability and developmental change across adulthood and old age: A systemic-multivariate perspective. *Gerontological Society of America Annual Meeting*. San Francisco, CA.

- Ram, N.**, & Gerstorf, D. (2007, November). Continuities and discontinuities across life: Articulating lifespan theory and methods. *Gerontological Society of America Annual Meeting*. San Francisco, CA.
- Ram, N.**, Gerstorf, D., Smith, J., & Lindenberger, U. (2007, November). Successful aging as a systemic phenomena: An observation oriented approach to capturing multidimensional change. *Gerontological Society of America Annual Meeting*. San Francisco, CA.
- Ram, N.**, & Gerstorf, D. (2007, October). Aging: Processes of living, transitioning, and dying. *Society for the Study of Human Development Bi-Annual Meeting*. State College, PA.
- Gerstorf, D., & **Ram, N.** (2007, October). Well-being in relation to age and distance-to-death. *Society for the Study of Human Development Bi-Annual Meeting*. State College, PA.
- Ram, N.** (2007, March). Emphasizing individuality in development and change. *Society for Research on Child Development Biannual Meeting*. Boston, MA.
- Gerstorf, D., **Ram, N.**, Röcke, C., Lindenberger, U., & Smith, J. (2006, November). Decline in well-being in old age: Longitudinal evidence for links to distance from death. *Gerontological Society of America Annual Meeting*. Dallas, TX.
- Ram, N.**, Gerstorf, D., & Nesselroade, J. R. (2006, November). Innovative methods for describing developmental change. *Gerontological Society of America Annual Meeting*. Dallas, TX.
- Ram, N.** (2006, August). Using intraindividual variability methods to articulate developmental theory. *American Psychological Association Annual Convention*. New Orleans, LA.
- Ram, N.** & Gaschler, R. (2006, August). From milliseconds to decades: Linking brain and behavior across the lifespan. *American Psychological Association Annual Convention*. New Orleans, LA.
- Ram, N.** & Nesselroade, J. R. (2006, August). Articulating short-term and long-term processes simultaneously in theory and method. *American Psychological Association Annual Convention*. New Orleans, LA.
- Ram, N.** (2006, May). Emotional complexity as a correlate of age and an antecedent of mortality. *LIFE Spring Academy 2006*. Berlin, Germany.
- Ram, N.** (2006, May). Emphasizing individuality in developmental models of change. *LIFE Spring Academy 2006*. Berlin, Germany.
- Grimm, K., **Ram, N.**, & Nesselroade J. R. (2006, April). Within-person dynamic antecedents, correlates, and consequences of cognitive performance over the short-term. *Cognitive Aging Conference*. Atlanta, GA.
- Ram, N.**, Bowles, R. P., Adler, E., Nesselroade, J. R., & Baltes, P. (2006, April). Placing individual-level lifespan changes in cognition within population-level changes in length of life. *Cognitive Aging Conference*, Atlanta, GA.
- Kandel, D. B., Hu, M-C., Schaffran, C., Griesler, P., Davies, M., & **Ram, N.** (2006, March). Trajectories of symptoms of nicotine dependence in adolescence. *Society for Research on Adolescence*. San Francisco, CA.
- Kandel, D. B., Hu, M-C., Schaffran, C., Griesler, P., & **Ram, N.** (2006, February). The timing and the experience of symptoms of nicotine dependence. *Society for Research on Nicotine and Tobacco Annual Meeting*. Orlando, FL.
- Ram, N.**, & Nesselroade, J. R. (2005, November). Moving to a dynamical framework in aging research: Visions and tools for the new frontier. *Gerontological Society of America Annual Meeting*. Orlando, FL.
- Ram, N.**, & Nesselroade, J. R. (2005, November). Emphasizing individuality in change models: A simulation-based examination. *Gerontological Society of America Annual Meeting*. Orlando, FL.
- Ram, N.** (2005, August). Dynamic factor analysis: Analyzing multivariate time-series from an intraindividual perspective. *American Psychological Association Annual Convention*. Washington, DC.

- Ram, N.**, & Nesselroade, J. R. (2005, August). Dynamical modeling of cognition/health interfaces: Modeling transactional process. *American Psychological Association Annual Convention*. Washington, DC.
- Ram, N.** (2005, May). The aging cognitive/emotion/temperament interface in context: Modeling transactional process. *LIFE Spring Academy 2005*. University of Virginia, VA.
- Ram, N.**, & Nesselroade, J. R. (2004, November). Methodological approaches to the study of age differences in intraindividual variability. *Gerontological Society of America Annual Meeting*. Washington, DC.
- Ram, N.**, Odgers, C., Mikels, J., Cartensen, L., & Nesselroade, J. R. (2004, November). Using P-technique factor analysis to examine age-related differences in the structure of emotional experience. *Gerontological Society of America Annual Meeting*. Washington, DC.
- Ram, N.** (2004, October). When should we aggregate? Examining interindividual differences in the weekly cyclicality of emotions. *LIFE Fall Academy 2004*. Dölln, Germany.
- Ferrer, E., & **Ram, N.** (2004, June). Longitudinal models for multivariate analysis of self-worth, competence, and motivation. *North American Society for Psychology of Sport and Physical Activity Annual Convention*. Vancouver, BC.
- Ram, N.**, McCullagh, P., & Skaling, S. (2004, June). Assessing differential learning from modeling and imagery interventions using latent growth curve modes. *North American Society for Psychology of Sport and Physical Activity Annual Convention*. Vancouver, BC.
- Ram, N.**, Chow, S., Grimm, K., Fujita, F., & Nesselroade, J. R. (2004, June). Examining the dynamics of pleasant and unpleasant emotions using spectral analysis and the rating scale model. *International Meeting of the Psychometric Society*. Pacific Grove, CA.
- Ram, N.**, & Nesselroade, J. R. (2004, April). Age differences in the dynamics of cognitive performance. *Cognitive Aging Conference*. Atlanta, GA.
- Ram, N.**, Rabbitt, P., & Nesselroade, J. R. (2004, April). Intraindividual variability and correlates of cognitive performance inconsistency. *Cognitive Aging Conference*. Atlanta, GA.
- Ram, N.**, Chow, S., & Fujita, F. (2004, January). Dynamical modeling of emotion: Stable daily and weekly patterns in seemingly random changes. *Society for Personality and Social Psychology Annual Conference*. Austin, TX.
- Ram, N.** (2003, September). Modeling the dynamic structure of emotion. *Society for Multivariate Experimental Psychology Graduate Pre-conference*. Keystone, CO.
- Ram, N.**, Starek, J., & Johnson, J. (2001, October). Cross-cultural sport and exercise psychology: Still a void in research and practice? *Association for the Advancement of Applied Sport Psychology Annual Conference*. Orlando, FL.
- Ram, N.**, & McCullagh, P. (2001, June). Self-modeling: Does watching yourself perform influence psychological responses and physical performance? *10th World Congress of Sport Psychology*. Skiathos, Greece.
- McCullagh P., & **Ram, N.** (2000, June). A comparison of imagery and modeling. *North American Society for Psychology of Sport and Physical Activity Annual Convention*. San Diego, CA.

OTHER PROFESSIONAL ACTIVITIES

Advisory Boards

Center for Advanced Study in the Behavioral Sciences (CASBS) at Stanford University
Signal, Inc.

Think Tanks

National Institute of Health Office of Behavioral and Social Sciences Research Think Tank
Meeting (2011, June)

Grant Review Panels

National Science Foundation (2012, December)
Nuffield Foundation (2012, June)
National Science Foundation (2011, May)
National Science Foundation (2011, February)
Centers for Disease Control and Prevention (2009, December)

Guest Editor

Gerstorf, D., Hoppmann, C., & **Ram, N.** (2014). The promise and challenge of integrating multiple time scales in adult developmental inquiry. Special issue of *Research in Human Development*.

Ram, N., Lindenberger, U., & Blanchard-Fields, F. (2009). Intraindividual variability and aging. Special section of *Psychology & Aging*.

Ram, N., & Gerstorf, D. (2009). Contemporary Developmental Methods. Special issue of *Research in Human Development*.

Editorial Boards

International Journal of Behavioral Development
Journals of Gerontology: Psychological Sciences
Psychology and Aging
Research in Human Development

Ad-hoc Reviewer

American Psychological Association Books
Applied Developmental Science
Criminology
Developmental Psychology
Frontiers in Human Neuroscience
Guilford Books
Human Development
International Journal of Behavioral Development
International Society for Study of Behavioral Development
Journal of Applied Sport Psychology
Journal of Cross-Cultural Gerontology
Journal of Personality
Journal of Personality and Social Psychology: PPID
Journal of Research on Adolescence
Journals of Gerontology: Psychological Sciences
Memory and Cognition
Multivariate Behavioral Research
Neuropsychologia
Psychological Assessment
Psychological Methods
Psychology and Aging
Psycho-Oncology
Society for Research on Child Development
Society for Research on Adolescence
Springer Books

Consulting

- College of Health and Human Development. (on-going). *Methodology Consulting Center* in conjunction with the Social Science Research Institute, Pennsylvania State University, University Park, PA.
- Lifespan Development Laboratory. (on-going). *Beeper I, II, and III (NIA)*. Department of Psychology, Stanford University, Palo Alto, CA.
- Pennsylvania Department of Transportation Licensing Bureau. (2009-2010). *Mature Drivers in Pennsylvania*. Pennsylvania Department of Transportation, Harrisburg, PA.
- D. Kandel et al. (2005-2006). *Transition to nicotine dependence in adolescence (NIDA)*. Department of Sociomedical Sciences, Mailman School of Public Health, Columbia University, New York, NY.
- Juvenile Violence and Aggression Research Lab. (2004-2006). *A nationwide study of police perceptions and practices in interrogation with juvenile suspects (NSF)*. Department of Psychology, University of Virginia, Charlottesville, VA.
- Virginia Adolescence Research Lab. (2004-2006). *Kids' lives, families, and friends – KLIFF (NIMH)*. Department of Psychology, University of Virginia, Charlottesville, VA.
- Concordia University Volleyball. (2003). *Team performance evaluations*. Department of Athletics, Concordia University, Portland, OR.
- Darden Business School. (2003). *Pay inequity and discrimination in professional baseball 1976-1993*. University of Virginia, Charlottesville, VA.
- Virginia Institute for Psychiatric & Behavioral Genetics. (2003). *Virginia adult twin study of psychiatric and substance use disorders (NIDA)*. Department of Psychiatry, Virginia Commonwealth University, Richmond, VA.
- University of Virginia Volleyball. (2002). *Sport psychology consulting*. Department of Athletics, University of Virginia, Charlottesville, VA.

Conference Organizing

- Workshop on Intensive Longitudinal Methods: Analysis of Diary and Experience Sampling Data. (April 25, 2013). Pennsylvania State University, University Park, PA.
- Intravarnet 2008 Working Group Meeting. Intraindividual variability and aging: Theoretical, methodological, and empirical challenges. (July 17-20, 2008). Dölln, Germany. Funded by the Max Planck Institute for Human Development and The Pennsylvania State University.
- Society of Multivariate Experimental Psychology Graduate Pre-conference. (October 5, 2005). Lake Tahoe, CA.
- Millmont Methodology Series. (2005-2006). University of Virginia, Charlottesville, VA.

Department Committees

- HDFS Program, Admissions Committee (2014-2015)
- HDFS Program, Diversity Committee (2014-2015)
- HDFS Program, Planning, Development, and Evaluation Committee (2012-2013)
- HDFS Program, Planning, Development, and Evaluation Committee (2011-2012)
- HDFS Program, Planning, Development, and Evaluation Committee (2010-2011)

HDFS Program, Planning, Development, and Evaluation Committee (2009-2010)
HDFS Undergraduate Methods Curriculum Development (2008)
HDFS Program, Planning, Development, and Evaluation Committee (2008-2009)
HDFS Awards Committee (2008-2009)
HDFS Adulthood and Aging Search Committee (2007)

College Committees

HHD Strategic Planning Focus Group on Methodology (2007)
Strategic Planning Advisory Committee, Gerontology Center (2007)

University Committees

Population Research Institute Advisory Board (2013-2016)
SSRI Innovative Methods Cluster Hire Search Committee (2011-2013)
Population Research Institute Advisory Board (2010-2013)
Office of VP for Research's *Cyber-Science Task Force* (2010-2011)
TIES Methodology Core (2010-2011)
Population Research Institute Advisory Board (2010-2011)
Scale-Up Classroom Design Committee (2009)
Social Science Research Institute: Methods Vision for 2020 Committee (2007)

Professional Society Committees

Program Committee. *Society for Research on Child Development 2012 Themed Meeting: Developmental Methodology* (2011-2012)
Outreach Committee. *American Psychological Association Division 20* (2011-2012)
Program Committee. *International Society for Study of Behavioral Development* (2011-2012)

Advanced Training

American Psychological Association Advanced Training Institute. (June 4-8, 2012). *Exploratory data mining in behavioral research*. University of California, Davis, CA.
Conference on Inductive Developmental Systems Theory. (October 31-November 2, 2011). Pennsylvania State University, State College, PA.
Data Science & Epidemiology. (October 6-7, 2011). Center for Infectious Disease Dynamics. Pennsylvania State University, State College, PA.
Summer Institute on Longitudinal Methods. (June 7-9, 2010). *Analysis of longitudinal dyadic data*. Pennsylvania State University, State College, PA.
Institute for Social Research. (December 10-11, 2008). *The scientific assessment of biomeasures in the Panel Study of Income Dynamics*. University of Michigan, Ann Arbor, MI.
APA Science Directorate. (September 11-12, 2008). *Individual Pathways of Change in Learning and Development*. Pennsylvania State University, University Park, PA.
Summer Institute on Longitudinal Methods. (June 1-3, 2005). *Survival Analysis*. Pennsylvania State University, University Park, PA.
Johns Hopkins Center for Prevention and Early Intervention. (March 17-18, 2005). *Multilevel modeling in Mplus*. Johns Hopkins University, Baltimore, MD.
Summer Institute on Longitudinal Methods. (May 24-26, 2004). *Analyzing developmental trajectories*. Pennsylvania State University, State College, PA.
Notre Dame Series on Quantitative Methodology. (May 29-31, 2003). *Data analytic techniques for dynamical systems*. Notre Dame University, South Bend, IN.

Longitudinal Research Institute. (June 17-22, 2002). *Longitudinal methods, measurement, and models*. University of Virginia, Charlottesville, VA.

American Psychological Association Advanced Training Institute. (June 10-15, 2002).

Longitudinal methods, measurement, and models. University of Virginia, Charlottesville, VA.