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EDUCATION

- 1987-1994 University of Southern California (USC). Ph.D., Psychology, Adult Development and Aging. *Advisor*: John L. Horn. *Thesis*: Systematic individual differences: Changes in cognitive abilities in later adulthood.
- 1983-1986 McGill University. Honours BA, Psychology, First Class Honours.
- 1978-1983 Hillcrest High School. Secondary School Honours Graduation Diploma, Enriched bilingual program. Ottawa Board of Education Bilingual Certificate.
- 1970-1978 Ottawa Board of Education French Immersion Program.

EMPLOYMENT HISTORY

- 2009-Present Associate Professor: Department of Psychology, College of Social Sciences, University of Victoria, BC, Canada.
- 2009-Present Affiliate Professor, Department of Neurology, Oregon Health Sciences University, Portland.
- 2006-2009 Associate Professor (Senior Research): Human Development and Family Sciences; Oregon State University.
- 2005-2006 Senior Research Associate: Human Development and Family Studies; Faculty Affiliate, Statistical Consulting Center, Department of Statistics; Associate, Health and Human Development Methodology Consulting Center, The Pennsylvania State University.
- 1999-2004 Director: Statistical Consulting Center, Department of Statistics, The Pennsylvania State University (2003-2004: Senior Research Associate/Research Associate Professor; 1999-2003: Research Associate/Research Assistant Professor).
- 1996-1999 Assistant Professor: Joint appointment in Human Development and Family Studies (teaching and research), and The Methodology Center (consulting and administrative duties), The Pennsylvania State University.

- 1994-1996 Research Associate: Age and Cognitive Performance Research Centre, MRC program grant to P. M. A. Rabbitt, University of Manchester.
- 1992-1994 Research Assistant: Data analysis for Adolescent Alcohol Prevention Trial, Institute for Health Promotion and Disease Prevention Research, Dept of Preventive Medicine, USC. NIAAA grant to J. W. Graham.
- 1992-1993 Examiner: Retested Bradway sample and Woodcock-Johnson revised (WJ-R) standardization sample using WJ-R and WAIS batteries. National Growth and Change Study, NIA grant to J. J. McArdle, University of Virginia.
- 1986-1987 Project Coordinator, "Children as assessors of aggression and withdrawal in their peers: A social-information-processing approach". Social Sciences and Humanities Research Council and University of Ottawa Research Fund grants to A. J. Younger, University of Ottawa.

OTHER PROFESSIONAL EXPERIENCE

- 2008 Participant, "Friday Harbor" Advanced Psychometrics Methods Workshop, UC Santa Cruz.
- 2002 Participant, Penn State Management Institute.
- 1999 Visiting Research Fellow, National Health and Medical Research Council Psychiatric Epidemiology Research Centre, The Australian National University, Canberra, Australia.
- 1998 Participant, Workshop in Genetics of Nonlinear Dynamic Systems, NIH Educational Workshops in Interdisciplinary Research, University Park, PA.
- 1997 Summer Institute on Aging, NIA/Brookdale Foundation.
- 1989-1993 Neuropsychological assessment for the NIA funded USC Alzheimer's Disease Research Center (ADRC). Clinical Director: V. W. Henderson.
- 1989-1990 Recruited non-demented older adults from USC Medical School's Anatomical Gift Program for annual cognitive testing at the ADRC.
- 1986 Rated non-verbal aspects of videotaped behavior for funded social skills research of M. McCarrey, and L. Chislett, University of Ottawa.
- 1986 Informed and advised first year students as assistant to academic advisors, Social Science Secretariat, University of Ottawa.
- 1986 Evaluated peer relationships in autobiographies of gifted and eminent personalities. SSHRC grant to B. Schneider, University of Ottawa.

TEACHING EXPERIENCE

- 2012- PSYC 201: Research Methods in Psychology, UVic.
- 2012 Participant, Learning and Teaching Centre Curriculum Design Institute, UVic (April).
- 2012 Participant, Learning and Teaching Centre iClicker Workshop, UVic (May).
- 2011 The Statistical Methods in Aging, Analytical Research Training (SMAART) workshop, Victoria, BC, May 16-20. Sponsored by CIHR IA and the UVic Centre on Aging.
- 2010- PSYC 533: Applied Multivariate Analysis (Graduate), UVic.
- 2010- PSYC 435e: Adult Cognitive Development, UVic.
- 2009 PSYC 569: Special Topics in Lifespan Development – Issues in the Detection of Cognitive and Functional Decline across the Lifespan (Participated in discussions; Graduate course led by Holly Tuokko).
- 2009 Participant, Intensive Summer Teaching Institute, Learning and Teaching Centre, UVic.
- 2004-2005 STAT 581: Statistical Consulting Practicum II (Graduate), PSU.
- 2000-2001 STAT 470w: Problem Solving and Communication in Applied Statistics (Writing intensive), PSU.
- 2000 Structural Equation Modeling using AMOS; Workshop and follow-up consulting, Bucknell University.
- 1999-2002 STAT 597: Projects in Applied Statistics (Graduate), PSU.
- 1999-2005 STAT 580: Statistical Consulting Practicum I and II (Graduate), PSU.
- 1999 HDFS 445: Development throughout Adulthood.
- 1998 Participant, The Penn State Course in College Teaching, Center for Excellence in Learning and Teaching, PSU.
- 1997-1998 HDFS 249: Adult Development and Aging.
HDFS 312w: Empirical Inquiry in Human Development (Writing intensive).
HDFS 526: Measurement (Graduate).
- 1995 Participating Lecturer, “Psychology of Aging”, University of Manchester.
- 1994 Teaching Assistant for Adult Development and Aging tutorials with focus on research methods and report writing. Psychology Department, USC. Lecturer: D. Walsh.
- 1992 Co-developed and led “Teaching Critical Thinking” session for Graduate Teaching Assistants, Annual Teaching Assistant Seminar, USC.
- 1992 Participant, Regional Institute on Critical Thinking Teaching Strategies, Center for Critical Thinking at Sonoma State University, Marina Del Rey, CA.
- 1991-1992 Teaching Assistant for tutorial sessions on statistical concepts, methods, and standard computer applications. Psychology Department, USC. Lecturer: L. Collins.

STATISTICAL CONSULTING

- 2003-2005 Pennsylvania Child Support Enforcement Training Institute (PACSETI) Program Evaluation: analysis and semi-annual report preparation, J. Mastroski, Penn State.
- 2003-2005 Analysis and manuscript preparation, Evaluation of the impact of Community Cancer Coalitions in the Appalachian Cancer Network, A. Ward, Penn State.
- 2002-2004 Evaluation of an antibiotic prescription rate intervention, B. Jansen, M.D., Penn State.
- 2001 Sampling and survey design; Committee on Racial and Gender Bias, PA Supreme Court.
- 2001, 2004 Scoring and measurement issues; PA Board of Law Examiners.
- 2001-2003 Dyadic growth curve models; Transition to parenthood, M. Hayes, Geisinger Health System.
- 2000-2005 Consultant, General Clinical Research Center, The Pennsylvania State University.
- 2000-2004 Consulting Coordinator, Population Research Institute Statistics Core, Penn State.
- 1999-2005 Consulting supervisor for Statistical Consulting Center Research Assistants and Student consultants in the Consulting Practicum course: approximately 180 short-term and 60 long-term projects per year.
- 1999 Visiting Research Fellow; Center for Mental Health Research, The Australian National University, Canberra.
- 1997-2000 Consultant (5%) for USDA project "Dietary assessment of rural older persons"; G. L. Jensen, Vanderbilt University.
- 1995-1996 Analysis of practice effects in cognitive tests; International Study of Post-operative Cognitive Dysfunction, J. T. Moller, University of Copenhagen.
- Factor structure and utility of the CAMCOG battery in normally functioning adults; F. A. Huppert, Department of Psychiatry, University of Cambridge.
- 1994-1995 Relationships between 15-year patterns of cardiovascular health and cognitive function in the Caerphilly Cohort; P. C. Elwood, MRC Epidemiology Unit, Cardiff, Wales.

RESEARCH GRANTS*Active*

- 2013-2018 Co-Program Director, Integrative analysis of longitudinal studies of aging, NIH/NIA 1P01AG043362. \$7,796,414.
- 2010-2014 Consultant, *Stress, Coping, Health and Optimal Aging*, NIH/NIA, R01 AG032037-01A2, PI: C. Aldwin, \$831,663.

Completed

- 2007-2013 Co-Principal Investigator, *Integrative Analysis of Change in Cognition and Health*, NIH/NIA, 1R01AG026453-01A2, PI: S. Hofer, \$2,439,412.
- 2006-2011 Consultant, *Stress, Aging, and Working Memory*, NIH/NIA R01AG026728-01A1, PI: M. Sliwinski, \$2,400,000.
- 2009-2010 Co-Principal Investigator, *New methods for the integrative analysis of longitudinal studies of aging*, Canadian Institutes of Health Research (200910MPA) , PI: S. Hofer, \$20,000.
- 2009-2010 Co-Principal Investigator, *New methods for the integrative analysis of longitudinal studies of aging*, Society of Multivariate Experimental Psychology, PI: S. Hofer, \$10,000
- 2008-2010 Co-Principal Investigator, *Health and healthspan in longitudinal studies of aging*, National Academies / Keck Futures Initiative, PI: S. Hofer, \$75,000.
- 2007-2008 Statistician, *Examining Factors Contributing to the Development of Childhood Obesity*, OSU College of Health and Human Sciences Pilot Grant; PI: K. Gunter, \$12,000.
- 2007-2008 Co-Investigator, *Evaluation of a Web-Based Cognitive Assessment Battery in a Community Setting*, NIH/NIA P30AG024978-04, Oregon Center for Aging and Technology (ORCATECH) Pilot grant, with S. Hofer, PI: J. Kaye, \$50,000.
- 2005-2008 Co-Investigator, *Psychopathology in Young People with Mental Retardation*, NIH/NIMH grant 1R01MH061809A2, PI: S. Hofer, \$632,156.
- 2005 Organizing Committee Member, *International Conference on the Future of Cognitive Aging Research*, NIH/NIA, 1R13 AG026231-01, PI: D. Alwin, \$79,881.
- 2005 Principal Investigator, *Coordinated Analysis of Change in Longitudinal Studies of Aging*, Research Project Development Program Grant, Gerontology Center, Penn State, \$12,000.
- 2003-2008 Co-Investigator, *Nature & nurture in social demography: An adoption study*, NIH/NICHD grant 2R01HD036773-06, PI: M. Stallings, \$1,941,655.

- 2002-2004 Co-Investigator, *Psychopathology in young people with mental retardation*, NIH/NIMH grant 1R01MH061809-01A2, PI: B. Tonge, \$300,000.
- 1999-2004 Consultant, *Fall Reduction Initiative: Establishing New Directions for Safety* (FRIENDS) data entry and analysis, Pennsylvania Department of Aging, \$40,000.
- 1998-2005 Co-Investigator, *Drug Abuse Prevention Research Methodology Conferences*, NIH/NIDA, PI: L.M. Collins, \$30,000k/year).
- 1997 Principal Investigator, Faculty Development Grant, Gerontology Center, Penn State, \$3,000.
- 1996 British Council Travel Grant (250£Stlg).

(Recent) Not funded

Project Coordinator, *Coordinated Analysis of Healthy Ageing across Longitudinal Studies of Ageing (HALSA)*, European Research in Ageing 2 Joint Call for Research (ERA-AGE 2 JCRA), €78, 026 (\$1,281,214 CDN).

Principal Investigator, *Coordinated Analysis of Chronic Health Conditions and Health-Related Risk Factors on Cognitive Ability*. CIHR Operating Grant: Advancing Theoretical and Methodological Innovations in Health Research, \$65,637.

Principal Investigator, *Statistical Methods in Aging: Analytical Research Training (SMAART)*, CIHR Dissemination Grant. \$24,970.

Co-Investigator, *Prospective Assessment of Change in Cognition and Well-Being in Aging Canadians using Novel Electronic Portal Methodologies*, CIHR Catalyst Grant. PI: S.M. Hofer. \$100,000

AWARDS/DISTINCTIONS

- 1991-1992 Dissertation Award (tuition & stipend: 22K \$US), USC.
- 1987-1991 University Predoctoral Merit Fellowship (tuition & stipend: 19K \$US per annum), USC.
- 1986 University Scholar, McGill University.
- 1985-1986 James McGill Award (500 \$CDN, tuition equivalent), McGill University.
- 1983-1985 Faculty Scholar, McGill University.
- 1983 Ontario Scholar.

PROFESSIONAL SERVICE**Profession**

- 2012 Reviewer, Project Research Grant – Statistics in the Empirical Sciences, Swedish Research Council.
- 2011- Abstract reviewer, 2012 conference submissions : *International Society for the Study of Behavioural Development*, Developmental Theory and Methods area; *Society for Research in Child Development*, Developmental Methodology Themed Meeting; *Canadian Association on Gerontology*.
- 2011 Key Informant, Individual Participant Meta-analysis (Project ID: MME3206; Contract #: HHS 290 2007 10060 I; PI: L. Griffith) Agency for Healthcare Research and Quality.
- 2011 Co-Organizer, *IALSA/HALCyon Methods Conference*, June 15-16, and *Measurement and Modelling of Functional Trajectories across the Life Course Workshop*, June 17. Funded by NIH/NIA and the UK Medical Research Council, Chichester, UK.
- 2011 Co-Organizer and Instructor, *The Statistical Methods in Aging, Analytical Research Training (SMAART) workshop*, Victoria, BC, May 16-20. Sponsored by CIHR IA and the UVic Centre on Aging.
- 2010 Co-Organizer, *Integrative Data Analysis*, August 29-September 3. Advanced Psychometrics Methods Conference, Friday Harbor, Washington.
- 2010 Co-Organizer, *New Methods for the Integrative Analysis of Longitudinal Studies of Aging*, Victoria, BC in June 22-25, 2010. Conference funded by NIH/NIA, CIHR, and the Society for Multivariate Experimental Psychology, Victoria, BC.
- 2010 Reviewer: National Science Foundation, USA. Methodology, Measurement and Statistics Program.
- 2009 Member, Organizing Committee, British Columbia Network on Aging, final meeting, held January 2010.
- 2008-2009 Member, ASA Committee on Applied Statisticians.
- 2007 Reviewer: Oregon Partnership for Alzheimer's Research Tax Check-off Small Grants Program.
- 1994-Present Ad-hoc reviewer: *Aging, Neuropsychology and Cognition; Archives of Gerontology and Geriatrics; Canadian Journal on Aging; European Journal of Aging; European Journal of Epidemiology; Experimental Aging Research; Gerontology; International Journal of Behavioral Development; Journal of Geriatric Psychiatry; Journal of Gerontology: Psychological Sciences; Language Learning; Psychology and Aging.*

University

2014-	Program Committee, Centre on Aging
2011	Social Sciences Representative, University Math Working Group (UVic)
2010	Student Marshal, fall convocation ceremony (UVic)
2003-2006	Judge, Annual Undergraduate Poster Exhibition (PSU)
2000-2003	Judge, Annual Graduate Poster Exhibition (PSU)
2000	Presenter, <i>Introductory Statistics</i> , for McNair Scholars Program (PSU)
1999-2001	Led development of improved judge assignment and score aggregation for optimal fairness in identifying winning posters for the Annual Graduate Poster Exhibition (PSU)

Faculty / College

2011	Numerical Literacy Review, Faculty of Social Sciences (UVic)
2010-	Chair, Masters thesis defense (UVic)
2007-2009	Organizer, HHS Summer Institute on Research Methodology (OSU)
2006-2009	HHS Methodology Core (OSU)
2003	Task Force on Parental Leave (PSU)
2000-2001	Committee on Instructional and Research Faculty (PSU)
2000-2001	Presenter, Women in Science and Engineering (WISE) Math Day (PSU)

Department

2013	Acting Graduate Advisor (while GA on leave; Psych, UVic)
2011-	Graduate Executive Committee, Lifespan representative (Psych, UVic)
2011-	Area Coordinator, Lifespan Psychology (UVic)
2011	Grade review for student contesting final paper assessment (Psych, UVic)
2009-	Statistical Consulting (avg 5 graduate students or faculty members/year)
2009	Department Programmer Hiring Committee (Psych, UVic)
2009	Psi Chi Fall Induction Ceremony keynote speaker (Psych, UVic)
2006-2009	Computer Committee (HDFS, OSU)
2003-2004	Master of Applied Statistics Committee (Stats, PSU)
	Social Committee (Stats, PSU)

- 2000-2002 World Campus Programs Committee (Stats, PSU)
Graduate Placement Coordinator (Stats, PSU)
- 1999-2004 Computer Committee (Stats, PSU)
- 1999-2004 Alumni Workshop Committee (Stats, PSU)
Statistical Consulting Center Faculty Advisory Committee (Stats, PSU)
- 1997-1999 “HDFS News” editor (HDFS, PSU)
- 1996-1999 The Methodology Center newsletter editor (PSU)
- 1996-1997 Professional Planning Development & Evaluation Committee (HDFS,
PSU)

PROFESSIONAL ASSOCIATIONS

- American Statistical Association
- Canadian Association on Gerontology
- Gerontological Society of America
- Royal Statistical Society

PUBLICATIONS

Refereed articles

- Kypriotakis, G., Hofer, S., Piccinin, A.M. & Deimling, G. (accepted). Correlated and Coupled Trajectories of Cancer-related Worries and Depressive Symptoms among Long-Term Cancer Survivors. *Behavioural Medicine*.
- Kuzucu, Y., Bontempo, D.E., Hofer, S.M., Stallings, M.C. & Piccinin, A.M. (2014). Changes in self-perception across early and mid-adolescence: Associations with depression. *Journal of Early Adolescence*, 34(5), 638-666. doi: 10.1177/0272431613507498.
- Gray, K.M., Piccinin, A.M., Keating, C., Taffe, J., Parmenter, T., Hofer, S.M., Einfeld, S.L. & Tonge, B.T. (2014). Outcomes in young adulthood: Are we achieving community participation and inclusion? *Journal of Intellectual Disability Research*, 58(8), 734-745. doi: 10.1111/jir.12069.
- McClelland, M. M., Acock, A., Piccinin, A. M., Rhea, S. A. & Stallings, M.C. (2013). Relations between preschool attention and sociability and later achievement outcomes. *Early Childhood Research Quarterly*, 28, 314-324. doi: 10.1016/j.ecresq.2012.07.008.
- Piccinin, A. M., Muniz, G., Clouston, S.A., Reynolds, C.A., Thorvaldsson, V., Deary, I., Deeg, D., Johansson, B., MacKinnon, A., Spiro, A. III, Starr, J. M., Skoog, I. & Hofer, S. M. (2013). Integrative analysis of longitudinal studies on aging: Coordinated Analysis of age, sex, and education effects on change in MMSE scores. *Journal of Gerontology: Psychological Sciences*, 68(3), 374-390. doi: 10.1093/geronb/gbs077. (First published online: October 2, 2012)
- Robitaille, A., Piccinin, A. M., Muniz, G., Hoffman, L., Johansson, B., Deeg, D. J. H., Aartsen, M. J., Comijs, H. C., & Hofer, S. M. (2013). Longitudinal mediation of processing speed on age-related change in memory, knowledge, and fluid intelligence. *Psychology and Aging*, 28, 887-901.
- Muniz-Terrera, G., van den Hout, A., Piccinin, A. M., Matthews, F., Hofer, S. M., and the CC75 Collaboration Group. (2012). Investigating terminal decline: Results from a UK population-based study of aging. *Psychology and Aging*, 28(2), 377-385. doi: 10.1037/a0031000. (Online First Publication, December 31, 2012).
- Erten-Lyons, D., Sherbakov, L., Piccinin, A.M., Hofer, S.M., Dodge, H., Quinn, J., Woltjer, R., Kramer, P., Kaye, J. (2012). Review of databases of longitudinal aging studies. *Alzheimer's and Dementia*, 8(6), 584-589. doi:10.1016/j.jalz.2011.09.232.
- Brown, C.L., Gibbons, L.E., Kennison, R.F., Robitaille, A., Lindwall, M., Mitchell, M., Shirk, S.D., Atri, A., Cimino, C.R., Benitez, A., MacDonald, S.W.S., Zelinski, E., Willis, S.L., Schaie, K.W., Johansson, B., Dixon, R.A., Mungas, D.M., Hofer, S.M. & Piccinin, A.M. (2012). Social activity and cognitive functioning over time. *Journal of Aging Research*, vol. 2012, Article ID 287438, 12 pages, doi:10.1155/2012/287438

- Lindwall, M., Cimino, C.R., Gibbons, L.E., Mitchell, M., Benitez, A., Brown, C.L., Kennison, R.F., Shirk, S.D., Atri, A., Robitaille, A., MacDonald, S.W.S., Zelinski, E., Willis, S.L., Schaie, K.W., Johansson, B., Praetorius, M., Dixon, R.A., Mungas, D.M., Hofer, S.M. & Piccinin, A.M. (2012). Dynamic associations of change in physical activity and change in cognitive function: Coordinated analyses of four longitudinal studies. *Journal of Aging Research*. Vol 2012, Article ID 493598, 12 pages. doi:10.1155/2012/493598
- Mitchell, M., Cimino, C.R., Benitez, A., Brown, C.L., Gibbons, L.E., Kennison, R.F., Shirk, S.D., Atri, A., Robitaille, A., Lindwall, M., MacDonald, S.W.S., Zelinski, E., Willis, S.L., Schaie, K.W., Johansson, B., Dixon, R.A., Mungas, D.M., Hofer, S.M. & Piccinin, A.M. Cognitively stimulating activities: Effects on cognition across four studies with up to 21 years of longitudinal data. *Journal of Aging Research*, vol. 2012, Article ID 461592, 12 pages, doi:10.1155/2012/461592
- Robitaille, A. Muniz, G., Piccinin, A. M., Johansson, B. & Hofer, S. M. (2012). Multivariate longitudinal modeling of cognitive aging: Examining associations among change and variation in processing speed and visuospatial ability. *GeroPsych: The Journal of Gerontopsychology and Geriatric Psychiatry*, 25(1), 15-24. doi: 10.1024/1662-9647/a000051
- Muniz-Terrera, G., Piccinin, A. M., Johansson, B., Matthews, F., & Hofer, S. M. (2011). Joint modeling of longitudinal change and survival: An investigation of the association between change in memory scores and death. *GeroPsych: The Journal of Gerontopsychology and Geriatric Psychiatry*, 24(4), 177-185. doi: 10.1024/1662-9647/a000047
- Piccinin, A.M., Muniz, G., Sparks, C., & Bontempo, D.E. (2011). An evaluation of analytical approaches for understanding change in cognition in the context of aging and health. *Journal of Gerontology: Psychological Sciences*, 66 (S1), i36-i49, doi: 10.1093/geronb/gbr038.
- Piccinin, A.M., Muniz, G., Matthews, F. & Johansson, B. (2011). Terminal decline from within and between person perspectives, accounting for incident dementia. *Journal of Gerontology: Psychological Sciences*, 66(4), 391-401. doi: 10.1093/geronb/gbr010.
- Gray, K.M., Piccinin, A.M., Hofer, S.M., Mackinnon, A., Bontempo, D.E., Einfeld, S.L., Parmenter, T., & Tonge, B.J. (2011). The longitudinal relationship between behaviour and emotional disturbance in young people with intellectual disability and parental mental health. *Research in Developmental Disabilities*, 32(3), 1194-1204. doi:10.1016/j.ridd.2010.12.044.
- Hofer, S.M. & Piccinin, A. M. (2010). Toward an Integrative Science of Lifespan Development and Aging. *Journal of Gerontology: Psychological Sciences*, 65(3), 269-278.
- Van den Kommer, T. N., Bontempo, D. E., Comijs, H. C., Hofer, S. M., Dik, M. G., Piccinin, A. M., Jonker, C., Deeg, D. J. H., & Johansson, B. (2010). Classification models for early identification of persons at risk for dementia in primary care: A further evaluation in a sample aged 80 years and older. *Dementia and Geriatric Cognitive Disorders*, 28, 567-577.

- Hofer, S. M., Gray, K.M., Piccinin, A. M., Mackinnon, A., Bontempo, D.E., Einfeld, S.L., Hoffman, L., Parmenter, T. & Tonge, B.J. (2009). Correlated and coupled within-person change in emotional and behavior disturbance in individuals with intellectual disability: Results from the Australian Child to Adult Development (ACAD) Study. *American Journal on Intellectual and Developmental Disabilities, 114*(5), 307-321.
- Hofer, S. M., & Piccinin, A. M. (2009). Integrative data analysis through coordination of measurement and analysis protocol across independent longitudinal studies. *Psychological Methods, 14*(2), 150-164.
- Bontempo, D., Hofer, S.M., Mackinnon, A. & Piccinin A. M. (2008). Factor Structure of the Developmental Behavior Checklist using Confirmatory Factor Analysis of Polytomous Items. *Journal of Applied Measurement, 9*, 265-280.
- Einfeld, S. L., Piccinin, A. M., Mackinnon, A., Hofer, S., M., Taffe, J., Gray, K. E., Bontempo, D. E., Hoffman, L. R., Parmenter, T., & Tonge, B. J. (2006). Psychopathology in young people with intellectual disability. *Journal of the American Medical Association, 296*, 1981-1989.
- Ward, A. J., Kluhsman, B. C., Lengerich, E. J., and Piccinin, A. M. (2006). The impact of cancer coalitions on the dissemination of colorectal cancer control materials to community organizations in rural Appalachia. *Preventing Chronic Disease, 3*, [serial online]. Available from: http://www.cdc.gov/pcd/issues/2006/apr/05_0087.htm.
- Johansson, B., Hofer, S. M., Allaire, J. C., Maldonado-Molina, M., Piccinin, A. M., Berg, S., Pedersen, N., & McClearn, G. E. (2004). Change in memory and cognitive functioning in the oldest-old: The effects of proximity to death in genetically related individuals over a six-year period. *Psychology and Aging, 19*, 145-156.
- Piccinin, A. M. & Rabbitt, P. M. A. (1999). Contribution of cognitive abilities to performance and improvement on a substitution coding task. *Psychology and Aging, 14*, 539-551.
- Hofer, S. M., Piccinin, A. M. & Hershey, D. (1996). Analysis of structure and discriminative power of the Mattis Dementia Rating Scale. *Journal of Clinical Psychology, 52*, 395-409.
- Donaldson, S. I., Graham, J. W., Piccinin, A. M. & Hansen, W. B. (1995). Resistance skills training and onset of alcohol use: Evidence for beneficial and potentially harmful effects in public schools and in private Catholic schools. *Health Psychology, 14*, 291-300.
- Younger, A. J. & Piccinin, A. M. (1989). Children's recall of aggressive and withdrawn behaviors: recognition memory and likeability judgments. *Child Development, 60*, 580-590.

Book chapters

- Hofer, S. M., Rast, P., & Piccinin, A. M. (2012). Methodological issues in research on adult development and aging. In S. K. Whitbourne & M. J. Sliwinski (Eds.), *Handbook of*

developmental psychology: Adult development and aging (pp. 72-93). New York: Wiley-Blackwell.

- Hofer, S. M., Thorvaldsson, V., & Piccinin, A. M. (2012). Foundational issues of design and measurement in developmental research. In B. Laursen, T. D. Little, & N. Card (Eds.), *Handbook of developmental research methods* (pp. 3-16). New York: Guilford Press.
- Hofer, S. M., & Piccinin, A. M. (2010). Longitudinal design. In N. J. Salkind (Ed.), *Encyclopedia of Research Design*. Thousand Oaks: Sage Publications.
- Piccinin, A. M. & Hofer, S. M. (2008). Integrative Analysis of Longitudinal Studies on Aging: Collaborative Research Networks, Meta-Analysis, and Optimizing Future Studies. In S. M. Hofer and D. F. Alwin (Eds.), *Handbook on Cognitive Aging: Interdisciplinary Perspectives*.
- Hofer, S. M., & Piccinin, A. M. (2007). Longitudinal studies. In J. E. Birren (Ed.), *Encyclopedia of gerontology: Age, aging, and the aged* (2nd Edition). Oxford: Elsevier Ltd.
- Piccinin, A. M. (2001). Comment (on Boker): Dynamical models and “Differential structural equation modeling of intraindividual variability”. In L. M. Collins & A. G. Sayer (Eds.). *New Methods for the Analysis of Change* (pp. 29-32). Washington, D. C.: American Psychological Association.
- Graham, J. W., Hofer, S. M. & Piccinin, A. M. (1994). Analyses with missing data in drug abuse prevention research. In L. M. Collins & L. Seitz (Eds.), *Drug Abuse Prevention Intervention Research: Methodological Issues*. National Institute on Drug Abuse Research Monograph Series. Washington, DC: National Institute on Drug Abuse.

Other publications

- Piccinin, A. M. (1991). Alzheimer's disease: Uncertain diagnosis of an uncertain entity [Letter to the editor]. *Journal of the American Geriatric Society*, 39, 1141-1142.

Manuscripts under review

- Brown, C. L., Robitaille, A., Zelinski, E. M., Dixon, R. A., Hofer, S. M., & Piccinin, A. M. (under review). A coordinated analysis of the mediating role of vascular health, physical activity, cognitive activity, and depressive symptoms in the association between social activity and cognitive function. *Health Psychology*.
- Robitaille, A., Piccinin, A.M., Muniz, G., Hoffman, L., Johansson, B., Deeg, D. J.H., Aartsen M. J., Comijs, H.C. & Hofer, S.H. (). Longitudinal mediation of processing speed on age-related change in memory, knowledge, and fluid intelligence. *Multivariate Behavioral Research*.

Manuscripts in preparation

- Brown, C. L., Piccinin, A. M. & Johansson, B. Characteristics and health outcomes of older adults categorized by Mini-Mental State Exam cut-off scores for dementia screening.
- Hofer, S. M., Piccinin, A. M. and members of the Integrative Analysis of Longitudinal Studies on Aging (IALSA) working group. Patterns of population average change within and across cognitive domains: Results from the IALSA research network.
- Hofer, S. M., Piccinin, A. M. and members of the Integrative Analysis of Longitudinal Studies on Aging (IALSA) working group. Correlated and coupled cognitive changes as a function of age and mortality: Results from the IALSA research network.
- Molitor, J.N., Best, N., Richardson, S. Molitor, J.T., Piccinin, A.M. & Hofer, S.M. Does education affect cognitive reserve? Combining five international aging studies.
- Piccinin, A. M., Brown, C. L. and members of an Integrative Analysis of Longitudinal Studies on Aging (IALSA) working group. An improved dementia screening variable for longitudinal data.
- Piccinin, A. M., Hofer, S. M., and members of an Integrative Analysis of Longitudinal Studies on Aging (IALSA) working group. Coordinated analysis of longitudinal studies on aging: Impact of hypertension on short-term memory.
- Piccinin, A.M. & Muniz, G.M. Coding time in growth models with unbalanced designs.
- Piccinin, A.M. & Muniz, G.M. Structuring time in growth models of late life: the impact of missing data due to mortality.
- Piccinin, A.M., Sparks, C., Muniz, G.M. & Bontempo, D. E. A comparison of analytical approaches for understanding change in cognition in the context of aging and health.
- Robitaille, A., Piccinin, A.M., Muniz, G., Hofer, S.M., Johansson, B., Deeg, D.J.H., Aartsen, M.J., Comijs, H.C. Role of processing speed in mediating fixed and random age-related effects on cognitive functioning: A multilevel approach to modeling time-varying covariates.
- Robitaille, A., Muniz, G., Piccinin, A.M., Hofer, S.M., Johansson, B. Multivariate longitudinal modeling of cognitive change: Relationship between processing speed and visual spatial ability.

Unpublished manuscripts

- Piccinin, A. M. (1994). Systematic individual differences: Changes in cognitive abilities in later adulthood. (Doctoral dissertation, University of Southern California, Los Angeles).
Dissertation Abstracts International, 56 (4), 2355B, Oct 1995.

PRESENTATIONS

Conference Presentations

- Cadar, D., Piccinin, A.M., Hofer, S.M., Johansson, B. & Muniz-Terrera, G. (November, 2014). *Education Does Not Moderate the Rate of Cognitive Decline Prior to Dementia Diagnosis: Evidence From the OCTO-Twin Longitudinal Study*. Paper presented at the 67th annual scientific meeting of the Gerontological Society of America, Washington, D.C.
- Piccinin, A. M., Muniz-Terrera, G., & Hofer, S. M. (November, 2014). Demythifying the Use of Age as the "Natural" Metric to Model Change in Aging Studies. In G. Muniz (Chair), *Measurement, Statistics, and Research Design: Tackling the Challenges of Longitudinal Aging Research: Integrative Analysis of Longitudinal Studies of Aging (IALSA)*.
- Hofer, S. M., Piccinin, A. M., Muniz-Terrera, G. (November, 2014). *Integrative Analysis of Longitudinal Studies of Aging (IALSA): Reproducible Research on Lifespan Changes in Cognition, Personality, and Health using a Coordinated Analysis Approach*. In G. Muniz (Chair), *Measurement, Statistics, and Research Design: Tackling the Challenges of Longitudinal Aging Research: Integrative Analysis of Longitudinal Studies of Aging (IALSA)*. Paper symposium presented at the 67th annual scientific meeting of the Gerontological Society of America, Washington, D.C.
- Robitaille, A., Muniz, G., Piccinin, A.M., & Hofer, S.M. (November, 2014). Analysis of Change in the Presence of Time-Varying Covariates. In G. Muniz (Chair), *Measurement, Statistics, and Research Design: Tackling the Challenges of Longitudinal Aging Research: Integrative Analysis of Longitudinal Studies of Aging (IALSA)*. Paper symposium presented at the 67th annual scientific meeting of the Gerontological Society of America, Washington, D.C.
- Hofer, S. M., Piccinin, A. M., & Muniz-Terrera, G. (May, 2014). Integrative Analysis of Longitudinal Studies of Aging (IALSA): Methodological approaches and challenges for replication of longitudinal research across country and cohort. In S. M. Hofer (Chair), *Integrative Analysis of Longitudinal Studies of Aging: Recent multi-study research on the impact of health on cognition*. Paper symposium presented at the 22nd Nordic Congress of Gerontology, Gothenburg, Sweden.
- Kelly, A., Calamia, M., Muniz-Terrera, G., Piccinin, A. M., Rush, J., Hassing, L., Hoffman, L., Clouston, S., Johansson, B., & Hofer, S. M. (May, 2014). Independent and joint cognitive impacts of hypertension and diabetes mellitus. In S. M. Hofer (Chair), *Integrative Analysis of Longitudinal Studies of Aging: Recent multi-study research on the impact of health on cognition*. Paper symposium presented at the 22nd Nordic Congress of Gerontology, Gothenburg, Sweden.
- Piccinin, A. M., Muniz-Terrera, G., Robitaille, A., Johansson, B., & Hofer, S. M. (May, 2014). How should we model and interpret changes in cognitive function in the context of changes in health and mortality. In S. M. Hofer (Chair), *Integrative Analysis of Longitudinal Studies of Aging: Recent multi-study research on the impact of health on cognition*. Paper symposium presented at the 22nd Nordic Congress of Gerontology, Gothenburg, Sweden.

- Muniz-Terrera, G., Piccinin, A. M., & Hofer, S. M. (May, 2014). Change point models related to preclinical dementia and mortality: Are results consistent? In S. M. Hofer (Chair), *Integrative Analysis of Longitudinal Studies of Aging: Recent multi-study research on the impact of health on cognition*. Paper symposium presented at the 22nd Nordic Congress of Gerontology, Gothenburg, Sweden.
- Hofer, S. M., Piccinin, A. M., Muniz-Terrera, G., & Clouston, S. (February, 2014). *Integrative Analysis of Longitudinal Studies of Aging (IALSA): Challenges and limitations for quantitative harmonization*. In D. Schretlen (Chair), *Global neuropsychology*. Paper symposium presented at the International Neuroscience Society meeting, Seattle, WA.
- Muniz-Terrera, G., Piccinin, A.M., & Hofer, S. M. (November, 2013). Overview of change point models in cognitive ageing research. In G. Muniz (Chair), *Change-point models in cognitive aging: Overview, applications, limitations and future directions*. Paper symposium presented at the 66th annual scientific meeting of the Gerontological Society of America, New Orleans, LA.
- Rast, P., Muniz, G., Piccinin, A.M., & Hofer, S.M., (November, 2013). Novel research designs and methods for analysis of retest effects in cognitive aging. In G. Muniz (Chair), *Change-point models in cognitive aging: Overview, applications, limitations and future directions*. Paper symposium presented at the 66th annual scientific meeting of the Gerontological Society of America, New Orleans, LA.
- Kelly, A.D., Shafonsky, E., Hayashi, A., Votova, K., Hall, C., Piccinin, A.M., Hofer, S.M. (November, 2013). *Short-Term Within-Person Variability In Patient-Reported Health Outcomes And Associations With Quality Of Life*, Poster presented at the 66th Annual Scientific Meeting of the Gerontological Society of America, New Orleans, LA.
- Robitaille, A., Piccinin, A.M., Muniz, G., Hoffman, L., Johansson, B., Deeg, D.J., Aartsen, M.J., Comijs, H.C., Hofer, S.M. (November, 2013). *Longitudinal Mediation of Processing Speed on Age-related Change in Memory and Fluid Intelligence*. Poster presented at the 66th Annual Scientific Meeting of the Gerontological Society of America, New Orleans, LA.
- Piccinin, A.M. (August, 2013). *Integrative Analysis of Longitudinal Studies of Aging (IALSA): A Collaborative Network for Parallel and Pooled Data Analysis of Within-Person Change*. In S.M. Hofer (Chair), *Integrative Data Analysis of Longitudinal Studies*. Paper symposium at the Joint Statistical Meetings, Montreal, PQ, Canada.
- Piccinin, A.M. (November, 2012). Discussant in A. Gross (Chair) *Measurement, Statistics, and Research Design: Innovative Approaches to the Synthesis of Knowledge in Gerontology: Integrative Data Analysis*. Paper symposium presented at the 65th Annual Scientific Meeting of the Gerontological Society of America, San Diego, CA.
- Brown, C.L., Piccinin, A.M., Gibbons, L.E., Robitaille, A., Kennison, R.F., Lindwall, M., Mitchell, M., Shirk, S.D., Atri, A., Benitez, A., MacDonald, S.W.S., Zelinski, E., Willis, S.L., Schaie, K.W., Johansson, B., Dixon, R.A., Mungas, D.M., Cimino, C.R., & Hofer, S.M. (October, 2012). *Social activity and maintaining cognitive abilities in aging: Evidence from up to 21 years of longitudinal data from three nations*. Poster presented at the 41th Annual Scientific and Educational Meeting of the Canadian Association on

Gerontology, Vancouver, BC.

Piccinin, A.M., Kennison, R.F., Lindwall, M., Mitchell, M., Cimino, C.R., Benitez, A., Brown, C.L., Gibbons, L.E., MacDonald, S.W.S., Robitaille, A., Shirk, S.D., Atri, A., Zelinski, E., Willis, S.L., Schaie, K.W., Johansson, B., Dixon, R.A., Mungas, D.M., & Hofer, S.M. (October, 2012). *Coordinated Analysis of Cross-sectional and Longitudinal Associations between Physical and Cognitive Activity and Cognition*. Paper presented at the 41th Annual Scientific and Educational Meeting of the Canadian Association on Gerontology, Vancouver, BC.

Robitaille, A., Muniz, G., Lindwall, M., Piccinin, A.M., Hoffman, L., Johansson, B., & Hofer, S.M. (October, 2012). Physical activity and cognitive functioning among older adults: Within- and between-person cognitive and psychosocial mediators. Poster session presented at the 41th Annual Scientific and Educational Meeting of the CAG, Vancouver, BC.

Robitaille, A., Muniz, G., Piccinin, A.M., Johansson, B. Hofer, S.M. (February, 2012). *Multivariate longitudinal modeling of cognitive change: Relationship between processing speed and visuospatial ability*. Poster presented at the 2012 SRCD Themed Meeting: Developmental Methodology. Tampa, Florida.

Sparks, C., Piccinin, A.M., Hoffman, L. R. & Hofer, S.M. (February, 2012). *Prediction of change under alternate codings of time*. Poster presented at the 2012 SRCD Themed Meeting: Developmental Methodology. Tampa, Florida.

Muniz, G., Piccinin, A.M., Johansson, B. Matthews, F. & Hofer, S. M. (November, 2011). Do all individuals experience a change in age-related cognitive decline? In A.M. Piccinin & G. Muniz (Chairs), *Advances in Understanding Cognitive Aging: Longitudinal Research on Change, Variation, and Plasticity*. Symposium conducted at the 64th Annual Scientific Meeting of the Gerontological Society of America, Boston, MA.

Piccinin, A.M., Muniz, G., Matthews, F. & Johansson, B. (November, 2011). Estimating the effects of terminal decline from within-person perspective. In A.M. Piccinin & G. Muniz (Chairs), *Advances in Understanding Cognitive Aging: Longitudinal Research on Change, Variation, and Plasticity*. Symposium conducted at the 64th Annual Scientific Meeting of the Gerontological Society of America, Boston, MA.

Robitaille, A., Muniz, G., Piccinin, A.M., Hofer, S.M. (November, 2011). Does Processing Speed Account for Aging-related Change in other Cognitive Functions? In A.M. Piccinin & G. Muniz (Chairs), *Advances in Understanding Cognitive Aging: Longitudinal Research on Change, Variation, and Plasticity*. Symposium conducted at the 64th Annual Scientific Meeting of the Gerontological Society of America, Boston, MA.

Piccinin, A.M., Muniz, G., Sparks, C., & Bontempo, D.E. (2011, October). *Analytical Approaches for Understanding Change in Cognition in the Context of Aging and Health*. Poster presented at the 40th Annual Scientific and Educational Meeting of the CAG & 4th Pan American Congress of the IAGG, Ottawa, ON.

Robitaille, A., Muniz, G., Piccinin, A.M., Hofer, S.M. (October, 2011). *Multivariate longitudinal*

modeling of cognitive change: Relationship between processing speed and other cognitive outcomes. Poster session presented at the 40th Annual Scientific and Educational Meeting of the CAG & 4th Pan American Congress of the IAGG, Ottawa, ON.

- Brown, C. L., & Piccinin, A. M. (2011, October). *Rate of MMSE Change Approaching Diagnosis of Dementia: Implications for Longitudinal Studies.* Poster presented at the 40th Annual Scientific and Educational Meeting of the CAG & 4th Pan American Congress of the IAGG, Ottawa, ON.
- Piccinin, A. M. (2011, April). Discussant in M. Veenstra (Chair), *Searching for footprints of history: cohort perspectives on health in later life.* Paper symposium presented at the International Association of Gerontology and Geriatrics VIIIth European Congress, Bologna, Italy.
- Hofer, S. M. & Piccinin, A. M. (2010, May). *Integrative Analysis of Longitudinal Studies of Aging (IALSA) Research Network: Research synthesis through coordination of measurement and analysis protocol.* Poster presented at the annual meeting of the Nordic Congress of Gerontology, Reykjavik, Iceland.
- Hofer, S. M. & Piccinin, A. M. (2010, May). Meta-analysis, pooled data, and coordinated analysis approaches: Integrative Analysis of Longitudinal Studies of Aging. In S. M. Hofer (Chair), *Advances in Longitudinal Data Analysis.* Paper symposium conducted at the annual meeting of the Association for Psychological Science, Boston.
- Piccinin, A.M., Muniz, G., Matthews, F. & Johansson, B. (2010, April). *Terminal decline from within and between person perspectives, accounting for incident dementia.* Paper presented at the biennial Cognitive Aging Conference, Atlanta.
- Sparks, C., Hofer, S. M., Piccinin, A. M., Alwin, D., & Wray, L., (2010, April). *Relationships between level, change, and variation in cognitive function and depressive symptoms within spousal dyads.* Paper presented at the annual Cognitive Aging Conference, Atlanta, GA.
- Comijs, H. Van Den Kommer, T. N., Bontempo, D. E., Hofer, S. M., Dik, M., Piccinin, A. M., Deeg, D. J., & Johansson, B. (2009, November). Classification models for early identification of persons at risk for dementia, a replication study. In S. M. Hofer (Chair), *Coordinated and pooled data analyses of longitudinal studies of aging: Aging and dementia-related change in cognition, affect, and physical functioning.* Paper symposium conducted at the annual meeting of the Gerontological Society of America, Atlanta.
- Hofer, S. M., Piccinin, A. M., Bontempo, D. E., Sparks, C., & Hoffman, L. (2009, November). Integrative Analysis of Longitudinal Studies of Aging (IALSA): Patterns of between-person age differences and within-person changes in cognitive capabilities with age. In S. M. Hofer (Chair), *Coordinated and pooled data analyses of longitudinal studies of aging: Aging and dementia-related change in cognition, affect, and physical functioning.* Paper symposium conducted at the annual meeting of the Gerontological Society of America, Atlanta.

- Sparks, C., Bontempo, D. E., Piccinin, A. M., Spiro, A., & Hofer, S. M. (2009, November). *Conceptualizing and operationalizing health in longitudinal research on aging*. Poster presented at the annual meeting of the Gerontological Society of America, Atlanta.
- Bontempo, D. E., Piccinin, A. M., Sparks, C., & Hofer, S. M. (2009, October). *Health, health trajectories, and "healthy" aging: Issues in the conceptualization and operationalization of health and healthy aging*. Paper presented at the conference on Cognition, Health and Aging, Pennsylvania State University, University Park, PA.
- Bontempo, D. E., Hofer, S. M. & Piccinin, A. M. (2009, August). Factorial invariance and scale comparison across studies when measures differ. In S. M. Hofer and K. Grimm (Chairs), *Evaluating and optimizing measurement comparison across longitudinal studies*. Paper symposium conducted at the annual meeting of the American Psychological Association, Toronto.
- Lovemark, C., Gunter, K., Piccinin, A. M. & Snow, C. (2009, April). *Factors Contributing to the Development of Overweight and Obesity in Growing Boys and Girls*. Poster presented at the annual meeting of the American College of Sports Medicine, Atlanta.
- Gray, K.M., Tonge, B., Hofer, S., Piccinin, A., Mackinnon, A., Bontempo, D., Einfeld, S., & Parmenter, T. (2008, November). *The longitudinal relationship between behaviour and emotional disturbance in young people with intellectual disability and parental mental health*. Paper presented at the 43rd conference of the Australian Society for the Study of Intellectual Disability (ASSID), Melbourne, Australia.
- Mogel, J., Sliwinski, M. J., Hofer, S. M., & Piccinin, A. M. (2008, November). *Feasibility of internet-based measures for intensive measurement designs with older adults*. Paper presented at the annual meeting of the Gerontological Association of America, Baltimore.
- Hofer, S. M. & Piccinin, A. M. (2008, August). Optimizing analysis and synthesis of longitudinal studies: Collaborative and pooled data approaches. In S. M. Hofer (Chair), *Integrative Analysis of Longitudinal Studies: Measurement and Analysis Issues for Evidence Synthesis*. Paper symposium conducted at the annual meeting of the American Psychological Association, Boston.
- Hofer, S.M., Mogle, J., Sliwinski, M.J. & Piccinin, A.M. (2008, September). *An investigation of the feasibility of intensive measurement designs using internet-based measures of cognition in older adults*. Paper presented at the annual meeting of the Society of Multivariate Experimental Psychology, Montreal, Canada.
- Bontempo, D. E., Piccinin, A. M., & Hofer, S. M. (2008, August). Issues and approaches for comparing constructs across longitudinal study results when exact measures may differ. In S. M. Hofer (Chair), *Integrative Analysis of Longitudinal Studies: Measurement and Analysis Issues for Evidence Synthesis*. Paper symposium conducted at the annual meeting of the American Psychological Association, Boston.
- Hofer, S. M. & Piccinin, A. M. (2008, July). Integrative analysis of longitudinal studies on aging: A coordinated analysis process for cross-validating and extending results on aging-related change. In S. M. Hofer and A. M. Piccinin (Chairs), *Integrative Analysis of*

- Longitudinal Studies on Aging (IALSA)*. Paper symposium conducted at the International Congress of Psychology, Berlin.
- Gunter, K.B., Almstedt, H.C., Piccinin, A., Snow, C.M. (2008, May). *The development of fat mass in growing girls: Calories, calcium and physical activity*. Poster presented at the annual meeting of the American College of Sports Medicine, Indianapolis.
- Fauth, E. B.; Hoffman, L., Hofer, S. M., Piccinin, A. M., & Johansson, B. (2006, November). Age-related changes in physical and cognitive functioning. In D. F. Alwin & S. M. Hofer (Chairs), *Antecedents and Consequences of Cognitive Aging*. Paper symposium conducted at the annual Gerontological Society of America Conference, Dallas, TX.
- Hofer, S. M. & Piccinin, A. M. (2006, November). Research network for the integrative analysis of longitudinal studies on aging (IALSA): Overview of central aims and approach. In S. M. Hofer & A. M. Piccinin (Chairs), *Integrative Analysis of Longitudinal Studies on Aging: Accounting for Health in Aging-Related Processes*. Paper symposium conducted at the annual Gerontological Society of America Conference, Dallas, TX.
- Hoffman, L., Hofer, S. M., Fauth, E. B., Piccinin, A. M., & Johansson, B. (2006, November). Age-Related Changes in Physical and Cognitive Functioning. In D. F. Alwin & S. M. Hofer (Chairs), *Antecedents and Consequences of Cognitive Aging*. Paper symposium conducted at the annual Gerontological Society of America Conference, Dallas, TX.
- Piccinin, A. M., Hofer, S. M., Anstey, K. J., Deary, I. J., Deeg, D. J. H., Johansson, B., Mackinnon, A. J., Spiro, A., & Thorvaldsson, V. (2006, November). Cross-national IALSA coordinated analysis of age, sex, and education effects on change in MMSE scores. In S. M. Hofer & A. M. Piccinin (Chairs), *Integrative Analysis of Longitudinal Studies on Aging: Accounting for Health in Aging-Related Processes*. Paper symposium conducted at the annual Gerontological Society of America Conference, Dallas, TX.
- Hofer, S. M. & Piccinin, A. M. (2006, October). *Integrative Analysis of Longitudinal Studies on Aging (IALSA): A coordinated research protocol for data harmonization and analysis*. Paper presented at the annual meeting of the Society for Multivariate Experimental Psychology, Lawrence, KS. .
- Hofer, S. M. & Piccinin, A. M. (2006, July). *Integrative analysis of longitudinal studies on aging (IALSA)*. Poster presented at the International Society for the Study of Behavioral Development Meeting, Melbourne, Australia. .
- Piccinin, A. M. (2006, July). Longitudinal Change from Childhood to Young Adulthood in Five DBC Subscales. Paper presented in S. M. Hofer and B. Tonge (Chairs) Symposium on *Change in Psychopathology from Childhood to Adulthood: The Australian Child to Adult Development (ACAD) Study*, International Society for the Study of Behavioral Development Meeting, Melbourne, Australia. .
- Hoffman, L., Hofer, S. M., Sliwinski, M. J., & Piccinin, A. M. (2006, April). *Examining short-term and long-term cognitive change in aging individuals*. Paper presented at the Cognitive Aging Conference, Atlanta, GA.

- Hofer, S. M., & Piccinin, A. M. (2006, April). *Integrative analysis of longitudinal studies on aging (IALSA)*. Paper presented at the Cognitive Aging Conference, Atlanta, GA.
- Hofer, S. M., Hoffman, L., Piccinin, A. M., & Johansson, B. (2005, November). *Correlated and coupled cognitive change: Results from the octogenarian twin study of aging*. Paper presented at the annual Gerontological Society of America Meeting, Orlando, FL.
- Hoffman, L., Hofer, S. M., Piccinin, A. M., & Johansson, B. (2005, November). *Differential change in cognitive functioning relating to age, dementia progression, and time-to-death: Results from the Octogenarian Twin Study of Aging*. Paper presented at the annual Gerontological Society of America Meeting, Orlando, FL.
- Hoffman, L., Hofer, S. M., Braungart, E., Piccinin, A. M., & Johansson, B. (2005, November). *Correspondence of age-related changes in physical and cognitive functioning*. Paper presented at the annual Gerontological Society of America Meeting, Orlando, FL.
- Hofer, S. M., Hoffman, L., Sliwinski, M. J., & Piccinin, A. M. (2005, October). *Short and long-term cognitive change in aging individuals*. Paper presented at the annual meeting of the Society for Multivariate Experimental Psychology, Lake Tahoe, CA.
- Hofer, S. M., Hoffman, L., Sliwinski, M. J., & Piccinin, A. M. (2004, October). *Evidence for common and task specific retest gains in a measurement burst design*. Paper presented at the annual meeting of the Society for Multivariate Experimental Psychology, Fort Myers, FL.
- Boomer, K. and Piccinin, A. M. (2005, August). An example of a Consulting Center Program Assessment. In M. Huso (Chair), *Evaluation of Statistical Consulting Programs in an Academic Setting*. Paper symposium presented at the annual Joint Statistical Meetings, Minneapolis.
- Hofer, S. M., Sliwinski, M. J., Piccinin, A. M., & Hoffman, L. R. (2004, April). *Correlated retest effects in a measurement-burst design*. Paper presented at the biennial Cognitive Aging Conference, Atlanta.
- Bontempo, D. E., Hofer, S. M., Piccinin, A. M., & Rabbitt, P. M. A. (2003, November). *Testing dedifferentiation hypotheses across age and ability groups*. Paper presented at the annual Gerontological Society of America Meeting, San Diego.
- Braungart, E. R., Dariotis, J., K., Hofer, S. M., Piccinin, A. M., & Rabbitt, P. M. A. (2003, November). *Associations among facets of lifestyle and cognitive functioning in later adulthood*. Paper presented at the annual Gerontological Society of America Meeting, San Diego.
- Piccinin, A. M., Boomer, K. (2002, August). *The Penn State Statistical Consulting Center*. In J. Zhang (Chair) *Statistics Consulting in an Academic Institution*. Paper symposium presented at the annual Joint Statistical Meetings, New York.
- Hofer, S.M., Allaire, J.C., Sliwinski, M.J., Piccinin, A.M., Johansson, B., & McClearn, G.E. (2002, April). *An examination of the structure of cognitive change in the oldest-old: A*

- multivariate growth curve approach*. Paper presented at the biennial Cognitive Aging Conference, Atlanta.
- Flaherty, B. P., Hofer, S. M., Sliwinski, M., Piccinin, A. M. (November, 2000). Use of measurement bursts in models of change. In S. M. Hofer (Chair), *Optimal design issues for gerontological research*. Paper symposium presented at the annual Gerontological Society of America meeting, Washington, D.C.
- Piccinin, A. M. (November, 2000). Designs to minimize the influence of retest effects. In S. M. Hofer (Chair), *Optimal design issues for gerontological research*. Paper symposium presented at the annual Gerontological Society of America meeting, Washington, D.C.
- Piccinin, A. M. (April, 2000). A design to minimize the impact of retest effects. Poster presentation, biennial Cognitive Aging Conference, Atlanta, GA.
- Piccinin, A. M. & Malmberg, B. (November, 1998). *Gender differences in spatial ability of older adults: An investigation with unlike-sex twin pairs*. Poster presented at the annual Gerontological Society of America meeting, Philadelphia, PA.
- Piccinin, A. M. (October, 1998). *Discussion of Boker: "Nonlinear analysis and differential modeling of behavioral time series"*. Invited paper presented at "New methods for the analysis of change" conference, The Pennsylvania State University, University Park, PA.
- Piccinin, A. M. & Rabbitt, P. M. A. (August, 1996). The Manchester and Newcastle longitudinal studies of cognitive function in older adults: Interindividual differences in intraindividual change. In C. Hertzog and U. Lindenberger (Chairs), *Cognitive development across the lifespan*. Poster symposium conducted at the XIVth meeting of the International Society for the Study of Behavioral Development, Quebec City, Canada.
- Hofer, S. M., Piccinin, A. M. & P. M. A. Rabbitt (August, 1996). Factorial stability and dedifferentiation of cognitive abilities in later adulthood: Evidence from the Newcastle Longitudinal Study of Cognitive Aging. In U. Lindenberger and C. Hertzog (Chairs), *Cognitive development across the lifespan*. Poster symposium conducted at the meeting of the International Society for the Study of Behavioural Development, Quebec City, Canada.
- Hofer, S. M., Piccinin, A. M., Spiegelhalter, D. J. & Rabbitt, P. M. A. (July, 1996). *Modeling cognitive changes in the Newcastle Longitudinal Study of Cognitive Ageing under conditions of nonrandom attrition*. Paper presented at the annual meeting of the Psychometric Society, Banff, Canada.
- Piccinin, A. M. & Rabbitt, P. M. A. (April, 1996). *Toward understanding complex age-based relationships among fluid, memory, and speed indicators: Decomposition of a substitution speed task over several trials*. Poster presented at the biennial Cognitive Aging Conference, Atlanta, GA.
- Hofer, S. M., Piccinin, A. M., Spiegelhalter, D. J. & Rabbitt, P. M. A. (April, 1996). *Correcting the effects of nonrandom attrition in the Manchester and Newcastle Longitudinal Studies*

- of Cognitive Ageing*. Poster presented at the biennial Cognitive Aging Conference, Atlanta, GA.
- Spiegelhalter, D. J., Brayne, C. E. G., Best, N., Hofer, S. M., & Piccinin, A. M. (February, 1996). *Modeling cognitive decline in the elderly: An MCMC approach*. Invited paper presented at the Royal Statistical Society Social Sciences Section Meeting, London, England.
- Piccinin, A. M. & Rabbitt, P. M. A. (September, 1995). *Individual differences in rate of cognitive change in older adults*. Paper presented at the Economic and Social Research Council Seminar Series on Life Span Changes in Memory, Bristol, UK.
- Piccinin, A. M. (August, 1995). Occupational status and stability of cognitive function in older adults. In C. Smits (Chair), *Contextual factors in intellectual aging*. Symposium conducted at the annual European Congress of Gerontology, Amsterdam.
- Hofer, S. M., Piccinin, A. M. & Rabbitt, P. M. A. (August, 1995). Reconciling age-related differences from age-related changes in cognitive functioning. Paper presented at the meeting of the European Congress of Gerontology, Amsterdam.
- Piccinin, A. M., Hofer, S. M., & Rabbitt, P. M. A. (July, 1995). Performance and improvement on substitution coding: Combining measurement and model invariance. In S.M. Hofer (Chair), *Invariance in measurement and in models of behavioral relationships*. Symposium conducted at the annual European Congress of Psychology, Athens, Greece.
- Piccinin, A. M. & Rabbitt, P. M. A. (April, 1995). *Turning the focus from age-related differences to age-related changes*. Paper presented at the Experimental Psychology Society meeting, Cambridge, UK.
- Piccinin, A. M. (April, 1994). *Systematic inter-individual differences in intra-individual change over time*. Poster presented at the biennial Cognitive Aging Conference, Atlanta, GA.
- Piccinin, A. M. (May, 1991). *Alzheimer's disease: On a continuum with normal aging?* Poster presented at the annual meeting of the Western Psychological Association, San Francisco, CA.
- Freed, D., Hoss, C., Piccinin, A. & Henderson, V. (October, 1990). *Initial symptoms and later neuropsychological performance in Alzheimer's disease*. Poster presented at the annual Society for Neuroscience meeting, St. Louis, MO.
- Younger, A. J. & Piccinin, A. M. (June, 1987). *Children as assessors of aggression and withdrawal in their peers: A social-information-processing approach*. Paper presented at the annual meeting of the Canadian Psychological Association, Vancouver, BC.
- Piccinin, A. M. & Stern, M. (June, 1987). *Depression, cognition and memory in the elderly*. Poster presented at the annual meeting of the Canadian Psychological Association, Vancouver, BC.

Invited Presentations and Colloquia

Piccinin, A. M., Muniz, G., Deary, I., Deeg, D., Johansson, B., MacKinnon, A. Reynolds, C.A., Spiro, A. III, Starr, J. M., Thorvaldsson, V. & Hofer, S. M. (2011, June). *Integrative analysis of MMSE across IALSA Affiliated Studies*. Paper presented at the 2nd Annual IALSA/HALCyon Methods Conference. Sussex, England.

Robitaille, A., Muniz, G., Piccinin, A.M., Hofer, S.M. (June, 2011). *Does processing speed account for aging-related change in other cognitive functions? An evaluation of between-person and within-person effects across IALSA studies*. Paper presented at the 2nd Annual IALSA/HALCyon Methods Conference. Sussex, England.

Sparks, C., Piccinin, A.M., Johansson, B. & Hofer, S.M. (June, 2011). *Impact of health conditions on cognitive change in later life: A cross-study comparative analysis*. Paper presented at the 2nd Annual IALSA/HALCyon Methods Conference. Sussex, England.

Muniz, G. M., Robitaille, A., Piccinin, A. M., Hofer, S. M. (2011, February). Latent growth models: Applications to test theories of cognitive decline. In *Structural Equation Models in Medical Research*. Paper presented to the Medical Section of the Royal Statistical Society, London, UK.

Hofer, S. M., & Piccinin, A. M. (2010, December). A coordinated analysis approach for the replication of longitudinal research. Invited paper presented at the preconference on Integrative Data Analysis of Longitudinal Studies on Aging at the annual meeting of the Canadian Association of Gerontology, Montreal.

Piccinin, A.M. (2010, October). *Cognition in Late life: Separating the effects of age, ill health and dying*. Lecture presented in the Social Dimensions of Health Seminar series, UVic.

Piccinin, A.M. & Hofer, S.M. (2010, August). *A Coordinated Analysis Approach for the Replication of Longitudinal Research*. Paper presented at the Advanced Psychometrics Methods Workshop, Friday Harbor, WA.

Muniz, G. M., Matthews, F., Hofer, S. M. & Piccinin, A. M. (2009, June). What we can and cannot learn about terminal decline using Mplus. In *Structural Equation Models in Medical Research*. Paper presented to the UK Mplus Users Group, Bristol University, UK.

Hofer, S. M., Piccinin, A. M., Mogle, J., & Sliwinski, M. J. (2009, February). *An investigation of the feasibility of intensive measurement designs using internet-base measures of cognition in older adults*. Paper presented at the Oregon Roybal Center on Technology and Aging, Oregon Health Sciences University, Portland.

Piccinin, A. M., Hofer, S. M., Mogle, J., & Sliwinski, M. J. (2008, November). *An investigation of the feasibility of intensive measurement designs using internet-base measures of cognition in older adults*. Paper presented to Clinical Drug Research, Ltd, Goring-on-Thames, UK.

- Piccinin, A. M. (2008, October). *Understanding Individual Change: Challenges and Recommendations*. Paper presented at the Department of Psychology, University of Victoria, Canada.
- Hofer, S. M., Piccinin, A. M., & Bontempo, D. E. (2008, May). *Integrative Analysis of Longitudinal Studies on Aging (IALSA): Discussion of potential for co-calibration and pooled data analysis*. Paper presented at the Department of Psychology, University of California, Davis.
- Hofer, S. M., Piccinin, A. M., & Bontempo, D. E. (2008, May). *Integrative Analysis of Longitudinal Studies on Aging (IALSA): An International Network for Synthesizing and Extending Within-Person Research on Health and Aging*. Paper presented at the Clinical and Translational Science Center, University of California, Davis.
- Hofer, S. M. & Piccinin, A. M. (2007, December). *The aging mind: Identifying processes of within-person change*. Paper presented at the Mary's Woods Retirement Community, Lake Oswego, Oregon.
- Piccinin, A. M., & Hofer, S. M., (2007, November). *Reproducible research and archiving the scientific process: What is necessary for evaluating, cross-validating, and extending results from longitudinal studies?* Paper presented at College of Health and Human Sciences "At the Core" Colloquium Series, Oregon State University.
- Hofer, S. M., & Piccinin, A. M. (2005, October). *Understanding aging: Characteristics of longitudinal studies, levels of analysis, and latent growth curve modeling approaches*. Paper presented at the Gerontology Center Colloquium Series, The Pennsylvania State University, University Park.
- Hofer, S. M., Piccinin, A. M., and Members of the ACAD Research Group (2005, June). *The course of psychopathology in children and adolescents with mental retardation: The Australian Child to Adult Development (ACAD) study*. Paper presented at Grand Rounds, Department of Child and Adolescent Psychiatry, University of Zürich.
- Hofer, S. M. & Piccinin, A. M. (2005, June). *Integrative analysis of longitudinal studies on aging (IALSA): Interactions among aging, health, and cognition*. Paper presented at the Department of Psychology, University of Zürich.
- Piccinin, A. M. (1998, October). *Discussion of Boker: 'Nonlinear analysis and differential modeling of behavioral time series'*. Invited paper presented at "New methods for the analysis of change" conference, The Pennsylvania State University, University Park, PA.
- Spiegelhalter, D. J., Brayne, C. E. G., Best, N. G., Hofer, S. M., & Piccinin, A. M. (1996, February). *Modeling cognitive decline in the elderly: An MCMC approach*. Paper presented at the meeting of the Royal Statistical Society, London, England.
- Hofer, S. M., Piccinin, A. M., & Rabbitt, P. M. A. (1995, September). *Reconciling cross-sectional and longitudinal results of age-related changes in cognitive functioning*. Paper presented at the Economic and Social Research Council Seminar Series on Life Span Changes in Memory, Bristol, England.