

Curriculum Vitae

Scott Michael Hofer

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Citizenship: Canada, United States of America

Education

1996-1997 NICHD Postdoctoral Research Fellow, Center for Developmental and Health Genetics, The Pennsylvania State University.

1989-1994 Ph.D. in Psychology, Adult Development and Aging, University of Southern California, Los Angeles. Advisor: John L. Horn, Ph.D. Dissertation: *On the structure of personality and the relationship of personality to the development of fluid and crystallized intelligence in adulthood*. Supported by NIH Multidisciplinary Research Traineeship in Gerontology and NIH Traineeship in Neurobiology and Endocrinology, USC.

1986-1989 A.B. in Psychology, San Diego State University, California.

Research Interests

Lifelong Health and Aging

Integrative Analysis of Longitudinal Studies of Aging and Dementia
Identifying Patterns and Correlates of Functional Change from Childhood to Adulthood
Change in Personality and Psychopathology in Special Populations
Innovations in Digital/Mobile Health

Measurement of Personality, Well-Being, and Cognitive Capabilities

Multivariate Analysis of Change, Variation, and Within-Person Dynamics

Analysis of Longitudinal Data (Coordinated and Pooled Data Analysis)
Design and Implementation of Measurement Intensive Studies
Analysis with Incomplete Data
Analysis of Genetically Informative Data; Gene-Environment Processes

Current and Former Positions

2014-Present Director, Institute on Aging and Lifelong Health, University of Victoria, British Columbia, Canada.

2009-Present Professor, Harald Mohr, M.D. and Wilhelma Mohr, M.D. Research Chair in Adult Development and Aging, Department of Psychology and Institute on Aging and Lifelong Health, Faculty of Social Sciences, University of Victoria, British Columbia, Canada.

2014-Present Professor, Department of Neurology, Oregon Health & Sciences University, Portland.

2013-2014 Provisional Professor, Department of Neurology, Oregon Health & Sciences University, Portland.

2009-2013 Adjunct Professor, Department of Neurology, Oregon Health & Sciences University, Portland.

- 2006-2009 Professor, Department of Human Development and Family Sciences, College of Health and Human Sciences, Oregon State University, Corvallis.
- 2006-2009 Director, Psychosocial Core, Center for Healthy Aging Research, College of Health and Human Sciences, Oregon State University, Corvallis.
- 2005-2006 Visiting Professor, Department of Gerontopsychology, University of Zürich.
- 2004-2010 Faculty Associate, Center for Population Health and Aging, The Pennsylvania State University, University Park.
- 2003-2006 Associate Professor, Department of Human Development and Family Studies, The Pennsylvania State University, University Park. Research affiliations with The Gerontology Center, Population Research Institute, and the Center for Population Health and Aging.
- 1999-2006 Visiting Research Fellow, Centre for Mental Health Research, The Australian National University, Canberra, Australia.
- 1999-2003 Assistant Professor, Department of Human Development and Family Studies, The Pennsylvania State University, University Park, PA.
- 1998-1999 Lecturer, Department of Human Development and Family Studies, The Pennsylvania State University, University Park, PA.
- 1997-2003 Research Associate, Center for Developmental and Health Genetics, The Pennsylvania State University, University Park, PA.
- 1996-1997 Postdoctoral Research Fellow, Center for Developmental and Health Genetics, The Pennsylvania State University. Research training in developmental behavioral genetics and analysis of genetically informative data. Advisor: G. E. McClearn.
- 1995-1996 Assistant Director, Age and Cognitive Performance Research Centre, University of Manchester, England.
- 1994-1995 Research Associate, Age and Cognitive Performance Research Centre, University of Manchester, England, P. M. A. Rabbitt, Director. Conducted statistical modeling of the Manchester and Newcastle Longitudinal Studies of Cognitive Aging.
- 1992-1993 Examiner, National Growth and Change Study, University of Virginia. Reassessed participants in the Bradway longitudinal study and the Woodcock-Johnson (WJ-R) standardization sample using the WJ-R and WAIS batteries. NIA grant to J. J. McArdle.
- 1991-1994 Research Assistant, Department of Prevention Research, USC. Co-developed EMCOV, software for maximum likelihood parameter estimation with incomplete data. NIAAA grant to J. W. Graham.
- 1991-1993 Research Assistant, Graduate Record Examination Project, USC. Evaluated predictors of performance and completion of doctoral programs based on USC admissions during the years 1979-1992. Grant from The Graduate School, USC, to J. L. Horn.
- 1991-1992 Research Assistant, Three Generations Project, USC. Assessed stability and change in personality, mental health, and attitudes of adolescents and their parents over three occasions. USC FRIF award to P. K. Trickett.
- 1988-1989 Research Assistant, Naval Health Research Center, San Diego, California. Performed statistical analyses and assisted in data collection efforts for research projects investigating changes in cognitive performance under conditions of extreme sleep deprivation and sustained heat stress. Armed Services funding to C. Englund.
- 1987-1988 Research Assistant, San Diego State University, California. Administered psychophysiological tests to normal elderly and Alzheimer's patients. NIH grants to C. Murphy.
- 1986-1988 Research Assistant, San Diego State University, California. Reviewed and assisted in preparation: Sattler, J. M. (1989). *Assessment of children* (3rd Ed.). San Diego, CA.

Research Grants and Fellowships*Active*

- 2020-2024 Co-Investigator, *Ascertaining Dementia and Surveillance of Risk Factors in the CLSA*. Public Health Agency of Canada. PI: Raina P, Griffith L, Costa A; Co-PIs: Wolfson C, Kirkland S, Balion C, Hogan D, Smith E, O'Connell M, Taler V; Co-Investigators: Cossette B, Hofer, S, Liu-Ambrose T, Menec V, Mugford G, Wister A, Wu C, Thompson M. \$999,526.
- 2020-2021 Co-Investigator, *Canadian Longitudinal Study on Aging (CLSA): Building COVID-19 Platform for Research in Canada*. Operating Grant: COVID-19 Data Module in the Canadian Longitudinal Study on Aging (CLSA), In Partnership with: CIHR - Major Initiatives #2; Public Health Agency of Canada. PI: Raina P, Wolfson C, Kirkland S; Co-I: Anderson, L, Balion C, Basta N, Cossette B, Griffith L, Hogan D, Hofer S, Liu-Ambrose T, McMillan J, Menec V, Mugford G, Taler V, Wister A. \$1,199,987
- 2019-2024 Principal Investigator, *Evaluation of multivariate causal factors linking the Flynn effect to declining dementia trends and cognitive aging*, NIH/NIA 1R01AG067621. \$3,585,964. Oregon Health & Science University, Portland.
- 2019-2024 Co-Investigator, *Personality prediction of dementia risk and progression*, NIH/NIA 1R01AG067622. \$3,202,959. PI: D. Mroczek, Northwestern University.
- 2018-2023 Lead, Extension & Dissemination Core and Co-Investigator, *Ambulatory methods for measuring cognitive change*, NIH/NIA 1U2CAG060408, \$13,000,000. PI: M. Sliwinski, Penn State.
- 2017-2021 Scientific Director, *Neil and Susan Manning Cognitive Health Initiative*, Private donation. \$2,500,000.
- 2016-2021 Principal Investigator (Multi-PI; PI Project 3), *Broad and Deep Analysis in Neurodegeneration (BRAIN): Project 3: Collaborating with Maelstrom Research and the IALSA Network to Advance the Potential for the CCNA and CLSA Databases to be used for International Big Data Analytics*, CIHR, \$4,750,000, PI: H. Cherkow, McGill.
- 2015-2021 Principal Investigator, *Evaluating the Effectiveness of Integrating Patient Reported Outcomes and Assessments in the Care for Seniors with Complex Needs (e-PRO)*, CIHR. \$750,000.
- 2014-2024 Co-Investigator, *Canadian Consortium on Neurodegeneration in Aging*, CIHR, PI: H. Chertkow.
- 2009-2023 Locally Responsible Investigator (2018-2023), Victoria Site, and Co-Investigator, *Canadian Longitudinal Study on Aging*, CIHR, PI: P. Raina; \$23,500,000.

Completed

- 2013-2020 Program Director (Co-Directors: A. M. Piccinin, J. Kaye, & D. Kuh), *Integrative analysis of longitudinal studies of aging and dementia*, NIH/NIA 1P01AG043362. \$10,131,613. Oregon Health & Science University, Portland.
- 2016-2019 Co-Investigator, *A multi-study replication of the predictive value of intra-individual variability on long-term changes in cognition, health and affect*, NIH/NIA 1R01AG050720. \$745,000. PI: P. Rast, UC Davis.
- 2016-2018 Co-Principal Investigator, *Defining the Etiology and Prevalence of Cognitive impairment in TIA and minor Stroke (DEPiCTS)*, Island Health. \$50,000. Co-PI: Andrew Penn.
- 2016-2017 Co-Principal Investigator, *Oregon Roybal Center on Aging and Technology (ORCATECH): Subproject: Incorporating Conventional Clinical Data into Remote Home-based Assessment Paradigms*, \$50,000. PI: J. Kaye, OHSU.
- 2013-2018 Consultant, *Personality-epidemiologic research on inequalities in longevity*, NIH/NIA R01AG042582, PI: B. Chapman, University of Rochester Medical Center.

- 2013-2017 Collaborator, *Adult Determinants of Late Life Depression, Cognitive Decline and Physical Functioning - The Whitehall II Ageing Study*. Medical Research Council (MRC), UK, K013351, £3.3 million, PI: M. Kivimäki.
- 2013-2015 Consultant, *Psychosocial and health-related influences on response time inconsistency in old age*, NIH/NIA R21AG045575; PI: R. Stawski, Oregon State Univ.; \$381,913.
- 2013-2014 Co-Investigator, *Conference on Advanced Psychometric Methods in Cognitive Aging Research*, NIH/NIA R13AG030995; PI: D. Mungas, UC Davis.
- 2011-2016 International Partner, *Integrative Graduate Education and Research Traineeship Program (IGERT): LIFE* in an Aging Society (*Linking Individuals, Families, and Environments)*, NSF, PI: K. Hooker, Oregon State University; \$2,874,254
- 2011-2013 Co-Investigator, *Harmonization of Cognitive Measures in Individual Participant Data and Aggregate Data Meta-Analysis (Project ID: MME3206; Contract #: HHSA 290 2007 10060 I; PI: L. Griffith)* Agency for Healthcare Research and Quality.
- 2010-2013 Principal Investigator, *Integrative analysis of functional and cognitive change across the IALSA (Canada) and HALCyon (UK) longitudinal research networks*, CIHR. \$177,739.
- 2009-2014 Principal Investigator, *Laboratory for Integrative Lifespan Research*, Canadian Foundation for Innovation (CFI) and BC Knowledge Development Fund (BCKDF). \$340,000.
- 2009-2011 Co-Investigator, *OCTRI Pilot to Create a Biobank for Aging Relevant Data (BARD)*. Pilot funding from the Oregon Clinical and Translational Research Institute to expand the IALSA data dictionary describing primarily the clinical data contained within these studies to biological data.
- 2009-2010 Principal Investigator (Co-PI: A. M. Piccinin), *New methods for the integrative analysis of longitudinal studies of aging*, Canadian Institutes of Health Research (200910MPA), \$20,000.
- 2009-2010 Principal Investigator (Co-PI: A. M. Piccinin), *New methods for the integrative analysis of longitudinal studies of aging*, Society of Multivariate Experimental Psychology, \$10,000.
- 2008-2017 Associate Investigator, *MRC Lifelong Health and Ageing Unit*. UK Medical Research Council, Director: D. Kuh.
- 2008-2014 Associate Investigator, *New dynamics of aging research network*, PI: D. Kuh. Life course models of healthy aging core project. ESRC/MRC.
- 2008-2011 Associate Investigator, *Bayesian methods for combining multiple Individual and Aggregate data Sources in observational studies II*, Economic and Social Science Research Council; PI: S. Richardson & N. Best.
- 2008-2010 Principal Investigator, *Health and healthspan in longitudinal studies of aging*, National Academies / Keck Futures Initiative: \$75,000.
- 2007-2013 Principal Investigator, *Integrative analysis of change in cognition and health*, NIH/NIA R01AG026453; \$2,439,412.
- 2007-2010 Co-Investigator, *Latent growth curve models of cognitive aging*, NIH/NIA 2R01AG021203; PI: D. F. Alwin. \$1,082,548.
- 2007-2008 Principal Investigator, *Evaluation of a web-based cognitive assessment battery in a community setting*. NIH/NIA P30AG024978-04, Oregon Center for Aging & Technology, PI: J. Kaye. \$50,000.
- 2007-2008 Principal Investigator, *Multimodal assessment of stress, health, and cognition*. Center for Healthy Aging Research, Oregon State University. \$15,000.
- 2006-2011 Associate Investigator, *Learning how to age well from Australian Longitudinal Studies of Ageing*, NHMRC/ARC Ageing Well, Ageing Productively Program, PI: K. J. Anstey, AU\$ 2,500,000.

- 2006-2010 Associate Investigator, *A longitudinal study of psychopathology in people with intellectual disability*, NHMRC, PI: B. Tonge. AU\$940,500.
- 2006-2008 Co-Investigator, *Quality of life of older adult long-term cancer survivors*, NIH/NCI 5R01CA078975, PI: G. Deimling.
- 2006-2007 Associate Investigator, *A life course approach to healthy ageing: capitalising on the value of the UK life course cohorts*. NDA preparatory network grant,
- 2005-2010 Co-Investigator, *Midlife cognitive change and risk of cognitive decline*. NIH/NIA 1R37AG024102, PI: S. Willis. \$3,401,081.
- 2005-2010 International Collaborator, *ARC/NHMRC Research Network in Ageing Well*, ARC/NHMRC/Australia, PI: H. Kendig. \$AU 2,500,000.
- 2005-2009 Consultant, *A Prescription for enhancing resident quality of life*, NIH/NIA 1R01 NR008910, PI: A. Kolanowski. \$1,436,780.
- 2005-2008 Principal Investigator, *Psychopathology in young people with mental retardation*, NIH/NIMH 2R01MH061809. \$632,156.
- 2005 Co-Principal Investigator, *International conference on the future of cognitive aging research*, NIH/NIA, 1R13 AG026231-01, PI: D. Alwin. \$45,000.
- 2004-2009 Co-Investigator, *Center for early diagnosis and therapy research for neurodegenerative diseases: A Swedish network, Neuropsychology Core*, Swedish Research Network, PI: B. Winblad. 100,000,000 SEK.
- 2004-2006 Consultant, *Automated monitoring and alarming for elder care*, NSF/SBIR Phase II
- 2003-2008 Co-Investigator (PI, Subcontract), *Nature & nurture in social demography: An adoption study*, NIH/NICHHD grant 2R01HD036773, PI: M. C. Stallings. \$1,941,655. Economics and Social Science Research Council, UK. £25,000. grant 0422154, PI: R. Sharma. \$481,203.
- 2003-2006 Program Faculty, *Interdisciplinary training in gerontology*, NIH/NIA grant 5 T32 AG00048, PI: S. H. Zarit. \$1,577,535.
- 2002-2004 Co-Principal Investigator (PI, Subcontract), *Psychopathology in young people with mental retardation*, NIH/NIMH grant 1R01MH061809-02, PI: B. Tonge. \$300,000.
- 2001-2007 Co-Investigator (PI, Subcontract), *Ageing and intraindividual cognitive variability*, NIH/NIA grant 5R01AG012448, PI: M. J. Sliwinski. \$1,920,000.
- 2001-2006 Associate Investigator, *Common mental disorders in the community: Aetiology, course, and interventions*. NHMRC/Australia. Director: A. F. Jorm. \$AU 7,750,000.
- 2000-2005 Program Faculty, *Training in mental health and aging*, NIH/NIMH grant 5 T32 MH18904-14, PI: S. H. Zarit. \$878,220.
- 2000-2005 Program Faculty, *Training in genetics of complex behaviors in aging*, NIH/NIA grant 5 T32 AG00276, PI: G. P. Vogler. \$937,584.
- 2000-2004 Co-PI (PI, Subcontract), *Biometrical analysis of personality in adulthood*, NIH/NIA grant 1 R01 AG17949. PI: M. C. Stallings. \$275,753.
- 2000 Co-Investigator, *Personality stability during life-span adaptations to dependency*, Child, Youth, and Families Consortium, PSU, PI: D. Conroy. \$2,000.
- 1999-2004 Co-Investigator, *QTL analysis of age-related phenotypes*, NIH/NIA grant AG14731, PI: G. E. McClearn. \$7,180,317.
- 1998-2004 Research Associate, *Origins of variance in the old-old: Octogenarian twins*, MERIT Extension of NIA grant AG08861, PI: G. E. McClearn. \$4,066,387.
- 1999-2003 Co-Investigator, *Genetic markers and alcohol-related behavior in mice*, NIH/NIAA grant AA08125, PI: G. E. McClearn. \$3,662,954
- 1997-1999 Research Associate, *Analysis of data of the biomarker group projects*, NIA grant AG07719, PI: G. E. McClearn. \$74,562.
- 1996 Young Research Worker's Travel Award, The British Council in Canada. £250.

- 1995-1996 Research Fellow, *Application of BUGS (Bayesian Using Gibbs Sampling) methods to problems of informative drop-out in longitudinal aging research*, ESRC (UK), Visiting Researcher Fellowship for collaboration with D. J. Spiegelhalter. £11,000.
- 1995-1996 Principal Investigator, *Lifestyle indicators of adult age differences in cognitive abilities: A cross-cultural collaboration*, Medical Research Council, United Kingdom. £3,500.

Teaching Experience

- 2009-Present Faculty Lecturer, Department of Psychology, University of Victoria
- Undergraduate Courses
- PSYC 492: Writing Research Snapshots: A Seminar on Current Aging and Health Research*
 - PSYC 492: Integrative Analysis of Stress, Health, and Cognition*
 - PSYC 492: Integrative Analysis of Well-Being*
- Graduate Courses
- PSYC 560: Research Methods in Lifespan Psychology*
 - PSYC 564: Advanced Analysis of Change and Variation in Lifespan Development*
 - PSYC 569: Lifespan Developmental Methodology: Generalized Causal Inference*
 - PSYC 513: Quantitative Data Analysis: Longitudinal Data Analysis Using Mplus*
- 2014 Faculty, *Integrative Data Analysis of Longitudinal Studies: Recommended Approaches for Coordinated Analysis and Reproducible Multiple-Study Research*, September 11, Developmental Methodology meeting, Society for Research in Child Development, San Diego.
- 2014 Faculty, *Longitudinal Aging Studies: Challenges in Design, Methods, and Analysis*, May 25, Pre-congress meeting, 22nd Nordic Congress of Gerontology, Gothenburg, Sweden.
- 2014 Faculty, *Longitudinal Data Analysis: Latent Growth Curve Modelling with Mplus*, April 26-27, International Health Data Linkage Conference, Vancouver, BC.
- 2011 Faculty, *Statistical Methods in Aging, Analytical Research Training (SMAART)*, Victoria, BC, May 16-20. Sponsored by CIHR Institute on Aging and the UVic Centre on Aging.
- 2010 Organizer and Faculty, *Friday Harbor Advanced Psychometric Conference*, Friday Harbor, WA, August. The focus of this meeting was on integrative data analysis, emphasizing methods for cross-study replication/generalizability of results across several longitudinal studies affiliated with the Integrative Analysis of Longitudinal Studies of Aging (IALSA) research network.
- 2010 Faculty, *Summer School on Longitudinal Data Analysis, Learning Curves, and Intraindividual Variability*, Ph.D. Program at the Department of Psychology, University of Zurich, Switzerland.
- 2007-2008 Faculty, *Summer Institute on Research Methodology (July)*. College of Health and Human Sciences, Oregon State University.
- 2006-2009 Faculty Lecturer, Department of Human Development and Family Sciences, Oregon State University.
- Undergraduate Courses
- Applied Research Methods (HDFS 361)*
- Graduate Courses
- Advanced Longitudinal Modeling with Mplus (HDFS 630)*
 - Research: Idea to Proposal (HDFS 607)*

- 2006 Faculty, *Données synchroniques, rétrospectives ou longitudinales : avantages, inconvénients, integration*. Workshop on design and analysis of longitudinal studies, Oct. 4-6, University of Geneva, Switzerland.
- 2006 Faculty, *Multivariate Analysis of Change in Longitudinal Studies on Aging: Concepts, Analysis, and Applications*. Workshop supported by the ARC/NHMRC Research Network on Ageing Well and the Australian Government Department of Families, Community Services and Indigenous Affairs, July 10-14, Australian National University.
- 2006 Faculty, *Longitudinal Research from Middle to Late-Adulthood: Methodological Considerations and Approaches for Examining Aging-Related Changes*. Half-day workshop supported by the ARC/NHMRC Research Network in Ageing Well and the APS Psychology and Aging Interest Group (SA Branch), July 7, Flinders University.
- 2005 Faculty, *Multivariate Longitudinal Methods in Developmental and Aging Research*, May 12-13, Research Design and Analysis Unit, Schiefelbusch Institute for Lifespan Studies, University of Kansas, Lawrence.
- 2004 Faculty, *Design and Analysis of Longitudinal Studies of Adult Development and Aging*. Sept. 28-Oct. 8, University of Göteborg, Sweden
- 2004 Faculty, *Longitudinal Methods in Aging Research*. Summer program in quantitative methods of social research, Inter-university Consortium for Political and Social Research (ICPSR), June 14-18, University of Michigan.
- 1998 Presenter, *Workshop on Missing Data and Multiple Imputation*, Institute for Gerontology, Jönköping, Sweden.
- 1998-2006 Faculty Lecturer, Department of Human Development and Family Studies, The Pennsylvania State University, University Park.
- Undergraduate Courses
Adult Development and Aging (HDFS 249)
Empirical Inquiry in Developmental Research (HDFS 312w)
Development Throughout Adulthood (HDFS 445)
- Graduate Courses
Multivariate Study of Change and Human Development (HDFS 517)
Research Methods in Developmental Processes (HDFS 536)
Adult Development Seminar: Personality Across the Lifespan (HDFS 579)
Assessing Environmental Sources of Influence (HDFS 597)
- 1997 Presenter, *Twin Study Methodology Workshop*, Institute for Gerontology, Jönköping, Sweden.
- 1994-1995 Lecturer, course on *Psychology of Aging*, University of Manchester, England.
- 1992 Participant, *Regional Institute on Critical Thinking Teaching Strategies*, Center for Critical Thinking at Sonoma State University; Marina del Rey, CA.
- 1992 Presenter, *Teaching Critical Thinking*, Annual Graduate Teaching Assistant Seminar, The Graduate School, USC.
- 1989-1991 Teaching Assistant, Department of Psychology, USC. Courses included Introductory Statistics, Adult Development and Aging, and Research Methods.

Awards and Distinctions

- 2018 Eber Service Award, Society of Multivariate Experimental Psychology.
- 2016 Honorary Doctorate, University of Gothenburg, Faculty of Social Sciences, Sweden.
- 2014 Elected Fellow, Academy of Behavioral Medicine Research.
- 2014-2017 President-Elect, President, Past President, Division 5 (Quantitative and Qualitative Methods), American Psychological Association.
- 2013 Elected Fellow, Canadian Academy of Health Sciences

- 2011-2014 President-Elect, President, Past President, Society of Multivariate Experimental Psychology.
- 2002 Elected Member, Society for Multivariate Experimental Psychology, Society of quantitative psychologists limited to 65 members worldwide.
- 2001 Apple of Knowledge Award, University College of Health Sciences, Jönköping, Sweden.
- 1991 Teaching Assistant Award, Department of Psychology, USC, Los Angeles.
- 1991 Honorable Mention, University Teaching Assistant Award, USC, Los Angeles.

Professional Service

Editorial Review

- 2014-2018 Chair, Editorial Advisory Board, *Society of Multivariate Experimental Psychology*.
- 2009-2018 Member, Editorial Board, *Journal of Gerontology: Psychological Sciences*.
- 2008-2011 Consulting Editor, *Psychology and Aging*.
- 2007-2014 Member, Editorial Board: *The Open Geriatric Medicine Journal*.
- 2007-2010 Member (Chair, 2008-2009), Editorial Advisory Board: *Multivariate Behavioral Research*.
- 2005-2018 Consulting Editor, *Multivariate Behavioral Research*.
- 1999-2017 Member, Editorial Board: *Gerontology: Behavioral Sciences Section*.
- 1994-Present Ad Hoc Reviewer: *Aging, Neuropsychology, and Cognition; American Journal of Epidemiology; Archives of General Psychiatry; Attention, Perception, & Psychophysics; Behavior Genetics; BMC Public Health; Canadian Journal of Experimental Psychology; Canadian Psychology; Child Development; Developmental Psychology; European Journal of Aging; European Psychologist; Geriatric Psychiatry; Gerontology; Geropsychology; Health Reports; International Journal of Abnormal Psychology; International Journal of Behavior Development; International Journal of Geriatric Psychiatry; Journal of Abnormal Child Psychology; Journal of Aging & Human Development; Journal of Aging Research; Journal of the American Aging Association; Journal of Applied Gerontology; Journal of Experimental Psychology: Applied; Journal of Gerontology: Biological Sciences; Journal of Gerontology: Medical Sciences; Journal of Gerontology: Psychological Sciences; Journal of Individual Differences; Journal of the International Neuropsychological Society; Multivariate Behavioral Research; Neurology; Perception and Psychophysics; Personality and Individual Differences; Proceedings of the National Academy of Sciences; Psychology and Aging; Psychological Assessment; Psychological Medicine; Psychological Science; Psychosomatic Medicine; Research in Human Development; Social Development; Structural Equation Modeling; Swiss Journal of Psychology; The American Journal of Psychiatry.*

Grant Review

- 2021 Reviewer, CIHR, Social Dimensions in Aging
- 2020 Reviewer, U19 Application, National Institute on Aging.
- 2020 Reviewer, ZRG1 BBBP-B (55) R Early and Late Stage Clinical Trials for the Spectrum of Alzheimer's Disease and Age-related Cognitive Decline, National Institute on Aging.
- 2020 Chair and Reviewer, Special Emphasis Panel: Dementia and AD (ZRG1 BBBP-B (55) R), Early and Late Stage Clinical Trials for the Spectrum of Alzheimer's Disease and Age-related Cognitive Decline, National Institute on Aging.
- 2019 Chair and Reviewer, Special Emphasis Panel: Dementia and AD (ZAG1 ZIJ-8 (J3)), National Institute on Aging.

- 2018 Reviewer, Special Emphasis Panel, Pilot Clinical Trials for the Spectrum of Alzheimer's Disease Review Panel, National Institutes of Health.
- 2018 Reviewer, European Research Council: Starting Grants
- 2017 Reviewer, Special Emphasis Panel, National Cancer Institute.
- 2017 Reviewer, Special Emphasis Panel (ZAG1 ZIJ-4 (02)), National Institute on Aging.
- 2017 Reviewer, Special Emphasis Panel (ZAG1 ZIJ-1 (01)), National Institute on Aging.
- 2016-2017 Chair, Special Emphasis Panel, National Institute on Aging.
- 2016 Reviewer, National Institute on Aging, National Academy of Science Concept Clearance
- 2016 Reviewer, Oregon Partnership for Alzheimer's Research.
- 2015 Reviewer, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), Look AHEAD (Action for Health in Diabetes) Clinical Centers (Collaborative U01)
- 2015 Reviewer, MITACS Converge Program.
- 2015 Reviewer, Oregon Partnership for Alzheimer's Research.
- 2015 Chair and Reviewer, National Institute on Aging, Study Section for Datasets in Aging ZAG1 ZIJ 4 (M1).
- 2015 Reviewer, Canadian Institute of Health Research.
- 2015 Reviewer, Alzheimer Drug Discovery Foundation.
- 2015 Reviewer, Oregon Partnership for Alzheimer's Research, Portland, OR.
- 2014 Reviewer, Age UK.
- 2014 Reviewer, Canadian Institute of Health Research.
- 2014 Reviewer, Netherlands Organization for Scientific Research.
- 2013 Reviewer, Age UK.
- 2013 Reviewer, German-Israeli Foundation for Scientific Research and Development.
- 2013 Reviewer, National Institute on Aging, National Institutes of Health, Study Section for NIA Datasets in Aging ZAG1 ZIJ-3 (M1).
- 2013 Reviewer, Social Sciences and Humanities Research Council of Canada.
- 2013 Reviewer, Swedish Council for Working Life and Social Research.
- 2012 Reviewer, Age UK / British Geriatrics Society, Clinical Fellowships in Ageing Research.
- 2012 Reviewer, National Institute on Aging, National Institutes of Health, Study Section for Datasets in Aging ZAG1 ZIJ-9 (M2).
- 2012 Reviewer, Swedish Council for Working Life and Social Research.
- 2011 Reviewer, Cognition and Perception (CP) Study Section, Center for Scientific Review, NIH.
- 2011 Reviewer, Vienna Science and Technology Fund, Austria.
- 2009 Reviewer, Economic and Social Science Research Council, United Kingdom.
- 2003-2011 Reviewer, Research into Ageing, United Kingdom
- 2004-2008 Member, Social Psychology, Personality, and Interpersonal Processes (SPIP) Study Section, Center for Scientific Review, National Institutes of Health.
- 2007-2008 Reviewer, Medical Research Council, United Kingdom.
- 2005 Reviewer, Swiss National Science Foundation.
- 2005 Reviewer, Research Grants Council, Hong Kong.

Service to Field

- 2018-Present Member, Scientific Advisory Board, SYnergies for Cohorts in Health: integrating the ROle of all Stakeholders (SYNCHROS).
- 2019-Present Member, Scientific Advisory Board, National E-infrastructure on Aging Research (NEAR) in Sweden.

- 2020-Present Member, Research, Design, and Innovation Committee, Canadian Accessibility Network, Carleton University.
- 2020 External Reviewer, Centre for Hip Health & Mobility, University of British Columbia.
- 2016-Present Chair, NIA Data Monitoring Committee (DMC) for the Midlife in the United States (MIDUS) cooperative agreement project, National Institute on Aging.
- 2016-2021 Founder and Chair/Past Chair, Design and Data Analytics Professional Interest Area (Initiated with G. Muniz, University of Edinburgh), International Society to Advance Alzheimer's Research and Treatment (ISTAART), Alzheimer's Association.
- 2016-2017 Chair, Elections Committee, Division 5 (Quantitative and Qualitative Methods), American Psychological Association.
- 2016 Member, NIA Behavioral and Social Research Data Infrastructure Review Committee, National Institute on Aging.
- 2014-Present Member, Executive Planning Committee, Lafayette Health Awareness Forum.
- 2014-2018 Co-Chair, Centre on Aging Continuing Health Services / Vancouver Island Partnership for Aging Care.
- 2014-2018 Member, Strategic Planning Committee, Academy of Behavioral Medicine Research.
- 2014-2018 Chair, Editorial Advisory Board, Society of Multivariate Experimental Research.
- 2014-2017 Member, Steering Committee, Cohorts for Alzheimer's Prevention Action (CAPA), Alzheimer's Drug Discovery Foundation.
- 2014-2016 Member, Examination Committee, Association of State and Provincial Psychology Boards (ASPPB).
- 2013-2020 Member, Research Methodology Board, Maelstrom Research, McGill University.
- 2012-2018 Member, Council of Representatives, Federation of Associations of Behavioral and Brain Sciences, Washington, DC.
- 2012-2016 Member, External Advisory Board, Midlife in the United States (MIDUS): A National Study of Health and Well-being.
- 2012 Program Chair (President-Elect), Society of Multivariate Experimental Psychology, Vancouver, BC (October 2012).
- 2011-2019 Member, Longitudinal Aging Study Amsterdam (LASA) Advisory Board, EMGO Institute for Health and Care Research, Vrije University, Amsterdam.
- 2010-2013 Member, Executive Committee, Advanced Psychometrics for Cognitive Aging Research (PI: D. Mungas).
- 2011 Program Section Chair, Society for Research in Child Development, Developmental Methodology Themed Meeting (February 2012).
- 2008-2012 Coordinating Officer, Society of Multivariate Experimental Psychology.
- 2008-2010 Member-at-Large, Behavioral and Social Sciences Section (Fellowship Committee, Elections Committee), The Gerontological Society of America.
- 2008 Invited Participant, *New Horizons Expert Workshop: Quality of Life in Old Age*. Sponsored by the Jacobs Foundation, July 22, Berlin, Germany.
- 2008 Invited Participant, NIA Workshop on *Genetic Mechanisms and Life Course Development*. Behavior and Social Research Program, National Institute on Aging, Feb. 11-12, Bethesda, MD.
- 2007-2018 Trustee, Society of Multivariate Experimental Psychology.
- 2007-2009 Local Arrangements Chair (2009 meeting), Society of Multivariate Experimental Psychology.
- 2007-2009 Program Chair (2009 Convention), Division 5, Evaluation, Measurement and Statistics, American Psychological Association.
- 2007-2009 Member, Oregon Partnership for Alzheimer's Research Committee, Layton Aging & Alzheimer Disease Research Center, Oregon Health & Science University.

- 2007 Invited Participant, *The Future of the Human Healthspan Conference*, National Academies Keck Futures Initiative, Nov. 14-16, Irvine, CA.
- 2006-2009 Treasurer, Division 20, Adult Development and Aging, American Psychological Association.
- 2006-2009 Member, Dissertation Awards Committee, Society for Multivariate Experimental Psychology.
- 2004 Member, Behavior and Social Science Program Committee, Gerontological Society of America.
- 2002 Invited Participant, NIA Workshop on *Genetics, Behavior, and Aging*, Behavior and Social Research Program, National Institute on Aging, Bethesda, MD.
- 2001-2003 Chair, Ad Hoc Committee on Technology, Behavioral and Social Sciences Section, Gerontology Society of America.
- 1999-2001 Faculty Advisor, Sigma Phi Omega (National Honor Society in Gerontology), Pennsylvania State University.
- 1993 President, Graduate Association of Students in Psychology, University of Southern California.

University and Professional Committees

University

- 2020-Present Member, Research Advisory Committee
- 2012-Present Member, Research Computing Steering Committee
- 2018-2019 Member, Vice President Research Search Committee
- 2018-2019 Member, Health Sciences Initiative Committee
- 2018 Member, Review Committee, Centre for Biomedical Research
- 2017-2018 Member, Vice President Research Search Committee
- 2016-2020 Member, CanAssist Advisory Board.
- 2015-2016 Chair, Scientific and Evaluation Advisory Committee, CanAssist.
- 2015-2016 Member, eHealth and Research Methods Subcommittees, Canadian Self-Management Research Team (CanSMART)
- 2014-2020 Ex-officio, Institute on Aging and Lifelong Health Advisory Board (UVic)
- 2014-2016 Council Member, Institute for Studies and Innovation in Community University Engagement.
- 2013-2014 Member, Social Sciences Dean Search Committee (UVic)
- 2010-2014 Member, Centre on Aging Advisory Board (UVic).
- 2010-2015 Member, Governance and Oversight Committee, Population Data BC.
- 2008-2009 Faculty Senator (OSU)

College

- 2006-2009 Member, College of Health and Human Sciences Methodology Core (OSU)
- 2003-2005 Member, International Research Advisory Board (PSU)
- 2002-2003 Member, HDFS Department Head Search (PSU)
- 2002-2003 Member, Gerontology Center Director Search (PSU)

Departmental

- 2019-2020 Chair, Canada Research Chair Search Committee, Tier I, Mobile Health and Aging
- 2018-2019 Member, Canada Research Chair (Tier 2) Search Committee, *Assistive Technology and Aging* (CanAssist/Engineering, UVic)
- 2018-2019 Member, Canada Research Chair (Tier 2) Search Committee, *Community Health* (Nursing, UVic)

- 2018-2019 Member, Canada Research Chair (Tier 2) Search Committee, *Mobile Health and Data Analytics* (Psychology, UVic)
- 2018-2019 Member, Canada Research Chair (Tier 2) Search Committee, *Neurobiology of Aging* (DMS/Biology, UVic)
- 2017 Member, Search Committee for Department Chair (Psychology, UVic)
- 2016-2017 Member, Promotion and Tenure Committee (Geography/IALH, UVic)
- 2016 Chair, Search Committee for Quantitative Methods position (Psychology, UVic)
- 2014-2017 Chair, Program Committee, Institute on Aging and Lifelong Health (UVic)
- 2012-2013 Alternate Member, Review, Promotion, & Tenure Committee (Psychology, UVic)
- 2008-2009 Promotion and Tenure Committee (HDFS, OSU)
- 2008-2009 Promotion and Tenure Committee (Psychology, OSU)
- 2008-2009 Epidemiology Search Committee, Dept of Public Health (OSU)
- 2007-2009 Chair, Graduate Committee (OSU)
- 2006-2007 Member, Graduate Committee (OSU)
- 2005-2006 Methodology Search Committee (PSU)
- 2005-2007 Program, Planning, Development and Evaluation Committee (PSU)
- 2003-2004 Methods Area Committee (PSU)
- 2003-2004 Graduate Admissions Committee (PSU)
- 2002-2004 HDFS Representative, Child Development Laboratory (PSU)
- 2002-2003 Individual Development Search Committee (PSU)
- 2001-2006 Comprehensive Examination Committee (PSU)
- 2000-2002 Program, Planning, Development and Evaluation Committee (PSU)
- 2000-2001 Methodology Search Committee (PSU)
- 1999-2001 Awards Committee (PSU)

Professional

- 2019 Lead Organizer (with Graciela Muniz, Isabel Fortier, & Josep Maria-Haro), Optimizing Multistudy Integrative Research, 18-20 September, 2019, Wellcome Genome Campus, Hinxton, UK.
- 2018 Co-Organizer (with Yoav Ben-Shlomo, Luigi Ferruci, Diana Kuh, Eline Slagboom), Longitudinal Studies, 30 May – 1 June, 2018, Wellcome Genome Campus, Hinxton, UK.
- 2016 Co-Organizer (with G. Muniz, Andrew Zhou), Statistical Methods Conference on Aging & Dementia, October 2016, Johns Hopkins University, Baltimore, MD.
- 2016 Organizer, Data Harmonization in Aging Research, 14 October 2016, National Institute on Aging, Bethesda. Co-Organizer (with R. Stolk, Univ of Groningen),
- 2016 Organizer (with I. Fortier, R. Stolk), International Summit on Data Harmonization and Replicable Research, 20-22 April 2016, University Medical Centre, Groningen, The Netherlands.
- 2015 Co-Organizer (with Diana Kuh, Luigi Ferruci), Longitudinal Studies: Maximising their Value for Ageing Research, 21-23 July, 2015, Wellcome Genome Campus, Hinxton, UK.
- 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 (with A. M. Piccinin & H. Tuokko), Statistical Methods in Aging, Analytical Research Training (SMAART) workshop, Victoria, BC in May 16-20. Sponsored by CIHR. Institute on Aging and the University of Victoria, Centre on Aging.

- 2010 Organizer & Member, Executive Committee, *Integrative Data Analysis*, Advanced Psychometrics Methods Conference, Friday Harbor, Washington.
- 2010 Organizer (with A. M. Piccinin), *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.
- 2009 Co-Organizer (with D. F. Alwin & M. Hayward), *Cognition, Health, & Aging: Integrating Perspectives across Disciplines*. Oct. 30-31. Conference funded by NIH/NIA and National Academies Keck Futures Initiative.
- 2005-2007 Advisory Committee, Biobehavioral Neurosciences of Communication Disorders, Advanced Statistical Methods Core, University of Kansas, Lawrence.
- 2005 Co-Organizer (with D. F. Alwin), *International Conference on the Future of Cognitive Aging Research*, May 20-22. Conference funded by NIH/NIA.
- 2003 Co-Organizer (with H. Christensen, K. Anstey, & M. Luszcz), *Dynamic Processes in Ageing: Directions in Longitudinal Research* Conference, Australian National University, Canberra, Australia, September 21-22. Conference sponsored by the Australian National University, Flinders University, and The Pennsylvania State University.
- 2002 Invited Speaker, *International Workshop on Methods for Examining Variability in Lifespan Aging Research*, The German Center for Research on Aging, University of Heidelberg, Germany. February.
- 2002 Co-Organizer, *The Fifth International Institute on Developmental Science*, The Pennsylvania State University, May 16-21, 2002.
- 2002 Plenary Speaker, Methodological issues and optimal designs for cognitive ageing research. *Determinants of Cognitive Ageing Workshop*, National Collaboration on Ageing Research, United Kingdom.
- 1999 Invited Participant, German-American Frontiers of Social Sciences Conference, Berlin.
- 1999 Participant, Twelfth International Workshop on Methodology of Twin and Family Studies: The Advanced Course, Boulder, CO.
- 1998 Participant, Workshop in Genetics of Nonlinear Dynamic Systems, NIH Educational Workshops in Interdisciplinary Research, University Park, PA.
- 1997 Participant, Ninth International Workshop on Methodology of Twin and Family Studies, Boulder, CO.
- 1997 Participant, Summer School on Nonlinear Dynamics in Biology and Medicine, Montreal.
- 1995 Consultant, Assessment of the factorial structure of the CAMCOG test battery, F. A. Huppert, Ph.D., Department of Psychiatry, University of Cambridge, England.
- 1994-1995 Consultant, Change in cognitive function and cardiovascular health in the Caerphilly Cohort, P. C. Elwood, M.D., MRC Epidemiology Unit, Cardiff, Wales.

Professional Affiliations

- Academy of Behavioral Medicine Research (2014-)
- American Psychological Association (1989-)
 - Division 5, Evaluation, Measurement, and Statistics (*Fellow*)
 - Division 20, Adult Development and Aging (*Fellow*)
- Association for Psychological Science (*Fellow, Charter Member*)
- Canadian Academy of Health Sciences (Fellow, 2013-)
- Canadian Association of Gerontology (2010-)
- Gerontological Society of America (*Fellow*, 1990-)
- Society for Multivariate Experimental Psychology (2002-)
- Royal Statistical Society (*Fellow*, 1995-)

Articles in Refereed Journals

- Bauermeister, S., Orton, C., Thompson, S. ... Gallacher, J. E. J. (2020). The Dementias Platform UK (DPUK) Data Portal. *Eur J Epidemiol* 35, 601–611 (2020).
<https://doi.org/10.1007/s10654-020-00633-4>.
- Chapman, B. P., Elliot, A., Sutin, A., Terraciano, A., Zelinski, E., Schaie, K. W., Willis, S., & **Hofer, S. M.** (2020). Mortality risk associated with personality facets of the Big Five and Interpersonal Circumplex across three aging cohorts. *Psychosomatic Medicine*, 82(1), 64-73.
- Duggan, E. C., Graham, R. B., Piccinin, A. M., Clouston, S., Muniz-Terrera, G., & **Hofer, S. M.** (2020). A systematic review of pulmonary function and cognition in aging. *J Ger Psy Sci Series B*, 75 (5), 937-952. doi:10.1093/geronb/gby128.
- Graham, E. K., Weston, S. J., Gerstorf, D., Yoneda, T. B., Booth, T., Beam, C. R., ... **Hofer, S. M.**, & Mroczek, D. K. (2020). Trajectories of big five personality traits: A coordinated analysis of 16 longitudinal samples. *European Journal of Personality*, 34, 301–321.
<https://doi.org/10.1002/per.2259>
- Graham, E. K., Weston, S. J., Turiano, N. A., Ashwanden, D., Booth, T., Harrison, F., ... **Hofer, S. M.**, & Mroczek, D. K. (2020). Is Healthy Neuroticism Associated with Health Behaviors? A Coordinated Integrative Data Analysis. *Collabra: Psychology*, 6(1), 32. DOI: <http://doi.org/10.1525/collabra.266>.
- Hoogendijk EO, Rijnhart JJM, Skoog J, Robitaille, A. ... **Hofer, S. M.**, & Muniz-Terrera, G. (2020). Gait speed as predictor of transition into cognitive impairment: Findings from three longitudinal studies on aging. *Exp Gerontol*. 129:110783.
doi.org/10.1016/j.exger.2019.110783.
- McConnell-Nzunga, J., Naylor, P. J., Macdonald, H. M., Rhodes, R. E., **Hofer, S. M.**, McKay, H. A. (2020). Body fat accrual trajectories for a sample of Asian-Canadian and Caucasian-Canadian children and youth: A longitudinal DXA-based study. *Pediatr. Obes.* 2020, 15, e12570.
- Mulligan, B. P., Segalowitz, S. J., **Hofer, S. M.**, & Smart, C. M. (2020). A multi-timescale, multi-method perspective on older adult neurocognitive adaptability. *The Clinical Neuropsychologist*, 34(4), 643–677. doi:10.1080/13854046.2020.1723706.
- Rush, J., Rast, P., & **Hofer, S. M.** (2020). Optimizing detection of true within-person effects for intensive measurement designs: A comparison of multilevel SEM and unit-weighted scale scores. *Behavior Research Methods*, 1-10.
- Turiano, N. A., Graham, E. K., Weston, S., Booth, T., Harrison, F., James, B. D., ... Hofer, S. M., & Mroczek, D. K. (2020). Is Healthy Neuroticism Associated with Longevity? A Coordinated Integrative Data Analysis. *Collabra: Psychology*, 6(1), 33. DOI: <http://doi.org/10.1525/collabra.268>
- Weston, S. J., Graham, E. K., Turiano, N. A., Ashwanden, D., Booth, T., Harrison, F., ... **Hofer, S. M.**, & Mroczek, D. K. (2020). Is Healthy Neuroticism Associated with Chronic Conditions? A Coordinated Integrative Data Analysis. *Collabra: Psychology*, 6(1), 42. DOI: <http://doi.org/10.1525/collabra.267>.
- Yoneda, T., Lewis, N., Knight, J., Rush, J., Venditelli, R., Kleineidam, L., Hyun, J., **Hofer, S. M.**, Muniz, G. (2020). The Importance of Engaging in Physical Activity in Older Adulthood for Transitions between Cognitive Status Categories and Death: A Coordinated Analysis of 14 Longitudinal Studies. *The Journals of Gerontology Series A Biological Sciences and Medical Sciences*. 10.1093/gerona/glaa268.
- Babulal, G. M., Quiroz, Y. T., Albeni, B. C., Arenaza-Urquijo, E., Astell, A. J., **Hofer, S. M.**, et al. (2019). Perspectives on ethnic and racial disparities in Alzheimer's disease and related dementias: Update and areas of immediate need. *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, 15 (2), 292-312.

- Bendayan, R., Kelly, A., **Hofer, S. M.**, Piccinin, A. M., & Muniz-Terrera, G. (2019). Memory decline and depression onset in US and European older adults, *Journal of Aging and Health*, 32 (3-4), 189-198. doi: 10.1177/0898264318813019.
- Duggan, E. C., Piccinin, A. M., Clouston, S., Koval, A. V., Robitaille, A., Zammit, A. R., Wu, C., Brown, C. L., Lee, L. O., Finkel, D., Beasley, W. H., Kaye, J., Muniz-Terrera, G., M., Katz, M., Lipton, R. B., Deeg, D., Bennett, D. A., Praetorius-Bjork, M., Johansson, B., Spiro, A., Weuve, J., & **Hofer, S. M.** (2019) A Multi-study Coordinated Meta-analysis of Pulmonary Function and Cognition in Aging. *The Journals of Gerontology: Series A, Biol Sci Med Sciences*, 74(11), 1793-1804. doi: 10.1093/gerona/glz057.
- Raina, P., Wolfson, C., Kirkland, S., Griffith, L. E., Balion, C., Cossette, B., Dionne, I., **Hofer, S. M.**, Hogan, D., van den Heuvel, E. R., Liu-Ambrose, T., Menec, V., Mugford, G., Patterson, M., Payette, H., Richards, B., Shannon, H., Sheets, D., Taler, V., Thompson, M., Tuokko, H., Wister, A., Wu, C., & Young, L., (2019). Cohort profile: The Canadian Longitudinal Study on Aging (CLSA), *International Journal of Epidemiology*, doi.org/10.1093/ije/dyz173.
- Rush, J., Rast, P., Almeida, D. M., & **Hofer, S. M.** (2019). Modeling long-term changes in daily within-person associations: An application of multilevel SEM. *Psychology and Aging*, 34 (2), 163-176.
- Zammit, A. R., Piccinin, A. M., Duggan, E. C., Koval, A., Clouston, S., Robitaille, A., ... **Hofer, S. M.** (2019). A coordinated multi-study analysis of the longitudinal association between handgrip strength and cognitive function in older adults. *The Journals of Gerontology: Series B, Psychological Sciences*, doi: 10.1093/geronb/gbz072.
- Zammit, A. R., Robitaille, A., Piccinin, A. M., Muniz-Terrera, G. & **Hofer, S. M.** (2019). Associations between aging-related changes in grip strength and cognitive function in older adults: A systematic review, *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*. 74 (4), 519-527.
- Karr, J. E., Graham, R. B., Muniz-Terrera, G., & **Hofer, S. M.** (2018). When does cognitive decline begin? A systematic review of preclinical change point studies on accelerated decline in cognitive and neurological outcomes preceding mild cognitive impairment, dementia, and death. *Psychology and Aging*, 33(2),195-218.
- Karr, J. E., Graham, R. B., **Hofer, S. M.**, & Muniz-Terrera, G. (2018). When does cognitive decline begin? A systematic review of preclinical change point studies on accelerated decline in cognitive and neurological outcomes preceding mild cognitive impairment, dementia, and death. *Psychology and Aging*, 33(2),195-218.
- Karr, J. Iverson, G. L., **Hofer, S. M.**, Garcia-Barrera, M. A. (2018). Examining the latent structure of the Delis-Kaplan Executive Function System. *Archives of Clinical Neuropsychology*, 34(3), 381-394. doi: 10.1093/arclin/acy043.
- McConnell-Nzungu, J., Naylor, P. J., Macdonald, H., Rhodes, R. E., **Hofer, S. M.**, & McKay, H. (2018). Classification of obesity varies between body mass index and direct measures of body fat in boys and girls of Asian and European ancestry. *Measurement in Physical Education and Exercise Science*, 154-166.
- Nguyen, M. T., Mattek, N., Woltjer, R., Howieson, D, Silbert, L., **Hofer, S. M.**, Dodge, H., & ERten-Lyons, D. (2018). Pathologies underlying longitudinal cognitive decline in the oldest old. *Alzheimer Dis Assoc Disord*, 32(4), 265-269.
- Robitaille, A., Piccinin, A. M., Johansson, B., **Hofer, S.M.** Muniz, G. (2018). An examination of the heterogeneity in the pattern and association between rates of change in grip strength and global cognition in late life. A multivariate growth mixture modeling approach. *Age and Ageing*, 47(5), 692-697. doi: 10.1093/ageing/afy048.

- Robitaille, A., Van den Hout A., Machado, R.J.M., Bennett, D. A., Čukić, I., Deary, I. J., **Hofer, S. M.**, Hoogendijke, E.O., Huisman, M., Johansson, B., Koval, A.V., Van der Noordt, M., Piccinin, A.M., Rijnhart, J.J.M., Singh-Manoux, A., Skoog, J., Skoog, I., Starr, J., Vermunt, L., Clouston, S. Muniz-Terrera, G. (2018). Transitions across cognitive states and death among older adults in relation to education: a multi-state survival model using data from six longitudinal studies. *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, 14(4), 462-472.
- Bendayan, R., Cooper, R., Wloch, E. G., **Hofer, S. M.**, Piccinin, A. M., & Muniz, G. (2017). Hierarchy and speed of loss in physical functioning: A comparison across older US and English men and women. *Journals of Gerontology Series A: Biomedical Sciences and Medical Sciences*, 72(8) 1117-1122. doi:10.1093/gerona/glw209
- Bendayan, R., Piccinin, A. M., **Hofer, S. M.**, Cadar, D., Johansson, B., Muniz-Terrera, G. (2017). Decline in memory, visuospatial ability and crystallized cognitive abilities in older adults: Normative aging or terminal decline? *Journal of Aging Research*, 2017, 9 pages. doi: 10.1155/2017/6210105.
- Bendayan, R., Piccinin, A. M., **Hofer, S. M.**, & Muniz-Terrera, G. (2017). Are changes in self-rated health associated with memory decline in older adults? *Journal of Aging and Health*, 29 (8), 1410-1423.
- Cadar, D., Robitaille, A., Clouston, S. A. P., **Hofer, S. M.**, Piccinin, A. M., Muniz-Terrera, G. (2017). An international evaluation of cognitive reserve and memory changes in early old age in 10 European countries. *Neuroepidemiology*, 48, 9-20. doi: 10.1159/000452276. PMID: 28219074.
- Denier, N., Clouston, S. A., Richards, M., & **Hofer, S. M.** (2017). Retirement and Cognition: A Life Course View. *Advances in Life Course Research*, 31, 1-11.
- Graham, E.K., Rutsohn, J. P., Bastarache, E.D., Elleman, L.G., Turiano, N.A, Bendayan, R., Batterham, P., Bennett, D.B., Deeg, D.H.G., Gerstorf, D., Katz, M.J., Kuh, D., Lipton, R.B, Pedersen, N.L., Piccinin, A.M., Reynolds, C.A., Sharp, E.S., Spiro, A., Muniz-Terrera, G., Willis, S.L., Yoneda, T.B., Zelinski, E.M., **Hofer, S.M.**, & Mroczek, D.K. (2017). Personality predicts mortality risk: An Integrative Data Analysis of 15 international longitudinal studies. *Journal of Research in Personality*, 70, 174-186. Doi: 10.1016/j.jrp.2017.07.005.
- Muniz, G., Robitaille, A., Kelly A., Johansson, B., **Hofer, S. M.**, & Piccinin, A.M. (2017). Latent growth curve analysis with time-varying covariates: The need to match longitudinal methods to the research questions. *Journal of Clinical Epidemiology*, 82, 158-166. doi: 10.1016/j.jclinepi.2016.09.001
- Rush, J., & **Hofer, S. M.** (2017). Design-based approaches for improving measurement in developmental science. *Monographs of the Society for Research in Child Development: Developmental Methodology*, 82, 67-83. DOI: 10.1111/mono.12299.
- Brown, C. L., Robitaille, A., Dixon, R. A., Zelinski, E., **Hofer, S. M.**, & Piccinin, A. M. (2016). Cognitive Activity Mediates the Association between Social Activity and Cognitive Performance: A Longitudinal Study. *Psychology and Aging*, 31(8):831-846.
- Cadar, D., Piccinin, A. M., **Hofer, S. M.**, Johansson, B., Muniz-Terrera, G. (2016). Education, Occupational Class, and Cognitive Decline in Preclinical Dementia. *The Journal of Gerontopsychology and Geriatric Psychiatry*, 29, 5-15.
- Cadar, D., Stephan B. C., Jagger, C., Johansson, B., **Hofer, S. M.**, Piccinin, A.M., Muniz-Terrera, G. (2016). The role of cognitive reserve on terminal decline: a cross-cohort analysis from two European studies: OCTO-Twin, Sweden, and Newcastle 85+, UK. *Int J Geriatric Psychiatry*, 31, 601-610.

- Daniels, S-A., Kelly, A., Bachand, D., Simeoni, E., Hall, C., **Hofer, S. M.**, Hayashi, A. (2016). Call to care: the impact of 24-hour postdischarge telephone follow-up in the treatment of surgical day care patients. *The American Journal of Surgery*, 211(5), 963-967.
- Kelly, A., Calamia, M., Koval, A., Terrera, G. M., Piccinin, A. M., Clouston, S., Hassing, L., Bennett, D. A., Johansson, B., **Hofer, S. M.** (2016). Independent and interactive impacts of hypertension and diabetes mellitus on verbal memory: A coordinated analysis of longitudinal data from England, Sweden, and the United States. *Psychology and Aging*, 31(3), 262-273.
- Kypriotakis, G., **Hofer, S.M.**, Piccinin, A.M. & Deimling, G. (2016). Correlated and Coupled Trajectories of Cancer-related Worries and Depressive Symptoms among Long-Term Cancer Survivors. *Behavioral Medicine*, 42(2), 82-92.
- Clouston, S. A., Richards, M., Cadar, D., **Hofer, S. M.** (2015). Educational Inequalities in Health Behaviors at Midlife: Is There a Role for Early-life Cognition? *Journal of Health and Social Behavior*, 56, 323-340.
- Griffith, L.E., van den Heuvel, E., Fortier, I., Sohel, N., **Hofer, S. M.**, Payette, H., Wolfson, C., Belleville, S., Kenny, M., Doiron, D, Raina, P. (2015). Statistical approaches to harmonize data on cognitive measures in systematic reviews are rarely reported. *J Clin Epidemiology*, 68(2), 154-162.
- Kelly, A.D., Rush, J., Shafonsky, E., Hayashi, A., Votova, K., Hall, C., Piccinin, A.M., Weber, J., Rast, P. & **Hofer, S.M.** (2015) Detecting short-term change and variation in health-related quality of life: Within- and between-person factor structure of the SF-36 Health Survey. *BMC Health and Quality of Life Outcomes*, 13(1):199. doi: 10.1186/s12955-015-0395-1.
- Munoz, E., Sliwinski, M. J., Scott, S. B., **Hofer, S. M.** (2015). Global perceived stress predicts cognitive change among older adults. *Psychology & Aging*, 30(3), 487-499.
- Weuve, J., Proust-Lima, C., Power, M. C., Gross, A. L., **Hofer, S. M.**, Thiébaud, R., Chêne, G., Glymour, M. M., Dufouil, C., & MELODEM Initiative. (2015). Guidelines for reporting methodological challenges and evaluating potential bias in dementia research. *Alzheimers & Dementia*, 11(9), 1098-1109.
- Gray, K. M., Piccinin, A. M., Keating, C. M., Taffe, J., Parmenter, T. R., **Hofer, S. M.**, Einfeld, S. L. & Tonge, B. J. (2014). Outcomes in young adulthood: Are we achieving community participation and inclusion? *Journal of Intellectual Disability Research*, 58, 734-745.
- Hofer, S. M.**, & Clouston, S. (2014). On the importance of early-life cognitive abilities in shaping later-life outcomes. *Research in Human Development*, 11, 241-24
- Kuzucu, Y., Bontempo, D. E., **Hofer, S. M.**, Stallings, M. C., & Piccinin, A. M. (2014). Developmental change and time-specific variation in global and specific aspects of self-concept in adolescence and association with depressive symptoms. *The Journal of Early Adolescence*, 34, 638-666.
- McArdle, J. J., & **Hofer, S. M.** (2014). Fighting for intelligence: A brief overview of the academic work of John L. Horn. *Multivariate Behavioral Research*, 49, 1-16.
- Rast, P., & **Hofer, S. M.** (2014). Longitudinal design considerations to optimize power to detect variances and covariances among rates of change: Simulation results based on actual longitudinal studies. *Psychological Methods*, 19, 133-154.
- Rast, P., Rush, J., Piccinin, A. M., & **Hofer, S. M.** (2014). The identification of regions of significance in the effect of multimorbidity on depressive symptoms using longitudinal data: An application of the Johnson-Neyman technique. *Gerontology*, 60, 274-281.

- Robitaille, A., Muniz, G., Lindwall, M., Piccinin, A. M., Hoffman, L., Johansson, & **Hofer, S. M.** (2014). Physical activity and cognitive functioning among older adults: Within- and between-person cognitive activity and psychosocial mediators. *European Journal of Ageing*, 11, 333-347.
- Rush, J., & **Hofer, S. M.** (2014). Differences in within- and between-person factor structure and predictors of positive and negative affect: Analysis of two intensive measurement studies using multilevel SEM. *Psychological Assessment*, 26, 462-473.
- Clouston, S., Brewster, P., Kuh, D., Richards, M., Cooper, R., Hardy, R., Rubin, M., & **Hofer, S. M.** (2013). The dynamic relationship between physical function and cognition in longitudinal aging cohorts: A systematic review. *Epidemiologic Reviews*, 35, 33-50.
- Griffith, L., van den Heuvel, E., Fortier, I., **Hofer, S. M.**, Raina, P., Sohe, I N., Payette, H., Wolfson, C., & Belleville, S. (2013). Harmonization of Cognitive Measures in Individual Participant Data and Aggregate Data Meta-Analysis. Methods Research Report. (Prepared by the McMaster University Evidence-based Practice Center under Contract No. 290-2007-10060-I.) AHRQ Publication No.13-EHC040-EF. Rockville, MD: Agency for Healthcare Research and Quality.
- Kurtz, T., Mogle, J., Sliwinski, M. J., & **Hofer, S. M.** (2013). Individual differences in task-specific paired associates learning in older adults: The role of processing speed and working memory. *Experimental Aging Research*, 39, 493-514.
- Muniz-Terrera, G. M., van den Hout, A., Piccinin, A. M., Matthews, F., & **Hofer, S. M.** (2013). Investigating terminal decline: Results from a UK population-based study of ageing. *Psychology and Aging*, 28, 377-385.
- Piccinin, A. M., Muniz, G., Clouston, S., Reynolds, C., Thorvaldsson, V., Deary, I., Deeg, D., Johansson, B., Mackinnon, A., Spiro, A., Starr, J. M., Skoog, I., & **Hofer, S. M.** (2013). Coordinated analysis of age, sex, and education effects on change in MMSE scores. *The Journals of Gerontology: Psychological Sciences*, 68, 374-390.
- 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
- Stawski, R., Sliwinski, M. J., & **Hofer, S. M.** (2013). Between-person and within-person associations among speed, attention switching and working memory in younger and older adults. *Experimental Aging Research*, 39, 194-214.
- 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.
- Clouston, S., Kuh, D., Herd, P., Elliott, J., & Richards, M., & **Hofer, S. M.** (2012). Benefits of educational attainment on adult fluid cognition: International evidence from three birth cohorts. *International Journal of Epidemiology*, 41, 1729-1736. PMID: 23108707.
- Erten-Lyons, D., Sherbakov, L., Piccinin, A. M., **Hofer, S. M.**, Dodge, H., Quinn, J., Woltjer, R., Kramer, P., & Kaye, J. (2012). Review of current databases of longitudinal aging studies. *Alzheimer's & Dementia*, 8, 584-589. doi:10.1016/j.jalz.2011.09.232

- 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*, 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. (2012). Cognitively stimulating activities: Effects on cognition across four studies with up to 21 years of longitudinal data. *Journal of Aging Research*. Article ID 461592, 12 pages, doi:10.1155/2012/461592.
- Rast, P., **Hofer, S. M.**, & Sparks, C. (2012). Modeling individual differences in within-person variation of negative and positive affect in a mixed effects location scale model using BUGS/JAGS. *Multivariate Behavioral Research*, 47, 177-200.
- Rast, P., MacDonald, S. W. S., & **Hofer, S. M.** (2012). Intensive measurement designs for research on aging. *GeroPsych: The Journal of Gerontopsychology and Geriatric Psychiatry*, 25, 45-55.
- Robitaille, A., Muniz-Terrera, 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, 15-25.
- Thorvaldsson, V., Skoog, I., **Hofer, S. M.**, Börjesson-Hanson, A., Östling, S., Sacuiu, S., & Johansson, B. (2012). Non-linear blood pressure effects on cognition in old age: Separating between-person and within-person associations. *Psychology & Aging*, 27, 375-383.
- Alwin, D. F., & **Hofer, S. M.** (2011). Health and cognition in aging research. *Journals of Gerontology: Psychological Sciences*, 66B, i9-i16.
- Gallacher, J., & **Hofer, S. M.** (2011). Generating large-scale longitudinal data resources for aging research. *Journals of Gerontology: Psychological Sciences*, 66B, i72-i79.
- 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 behavior and emotional disturbance in young people with intellectual disability and maternal mental health. *Research in Developmental Disabilities*, 32, 1194-1204.
- Hoffman, L., **Hofer, S. M.**, & Sliwinski, M. J. (2011). On the confounds among retest gains and age-cohort differences in the estimation of within-person change in longitudinal studies: A simulation study. *Psychology and Aging*, 26, 778-791.
- 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, 177-185.
- Hofer, S. M.**, & Piccinin, A. M. (2010). Toward an integrative science of lifespan development and aging. *Journals of Gerontology: Psychological Sciences*, 65B, 269-278.
- Sliwinski, M. J., Hoffman, L., & **Hofer, S. M.** (2010). Evaluating convergence of within-person change and between-person age differences in age-heterogeneous longitudinal studies. *Research in Human Development*, 7, 45-60.

- 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: An evaluation in a sample aged 80 years and older, *Dementia and Geriatric Cognitive Disorders*, *28*, 567-577.
- Der, G., Allerhand, M., Starr, J. M., **Hofer, S. M.**, & Deary, I. J. (2010). Age-related changes in memory and fluid reasoning in a sample of healthy old people. *Aging, Neuropsychology, & Cognition*, *17*, 55-70.
- Fernandez-Ballesteros, R., Frensch, P. A., **Hofer, S. M.**, Park, D. C., Pinguart, M., Silbereisen, R. K., Staudinger, U. M., Wahl, H-W., & Whitfield, K. E. (2009). Berlin declaration on quality of life for older adults: Closing the gap between scientific knowledge and intervention. *European Journal of Ageing*, *6*, 49-50.
- Foreman, J. E., Lionikas, A., Lang, D. H., Gyekis, J. P., Krishnan, M. U., Sharkey, N. A., Gerhard, G. S., Grant, M. D., Vogler, G. P., Mack, H. A., Stout, J. T., Griffith, J. W., Lakoski, J. M., **Hofer, S. M.**, McClearn, G. E., Vandenberg, D. J., & Blizard, D. A. (2009). Genetic architecture for hole-board behaviors across substantial time intervals in young, middle-aged, and old mice. *Genes, Brain, and Behavior*, *8*, 714-727.
- Hofer, S. M.**, Gray, K. M., Piccinin, A. M., Mackinnon, A. J., 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. *American Journal on Intellectual and Developmental Disabilities*, *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*, 150-164.
- Thorvaldsson, V., **Hofer, S. M.**, Berg, S., Skoog, I., Sacuiu, S., & Johansson, B. (2008). Onset of terminal decline in cognitive abilities in individuals without dementia. *Neurology*, *71*, 882-887.
- Bontempo, D. E., **Hofer, S. M.**, Mackinnon, A., Piccinin, A. M., Gray, K., Tonge, B., & Einfeld, S. (2008). Factor structure of the Developmental Behavior Checklist using confirmatory factor analysis of polytomous items. *Journal of Applied Measurement*, *9*, 265-280.
- Harel, O., **Hofer, S. M.**, Hoffman, L. R., Pedersen, N., & Johansson, B. (2007). Population inference with mortality and attrition in longitudinal studies on aging: A two-stage multiple imputation method. *Experimental Aging Research*, *33*, 187-203.
- Kolanowski, A., Hoffman, L., & **Hofer, S. M.** (2007). Concordance of self-report and informant assessment of emotional well-being in nursing home residents with dementia. *Journal of Gerontology: Psychological Sciences*, *62B*, P20-P27.
- Zeintl, M., Kliegel, M., & **Hofer, S. M.** (2007). The role of processing resources in prospective and retrospective memory within old age. *Psychology and Aging*, *22*, 826-834.
- Brickler, J. B., Stallings, M. C., Corley, R. P., Wadsworth, S. J., Bryan, A., Timberlake, D., **Hofer, S., M.**, Hewitt, J. K., Caspi, A., & DeFries, J. C. (2006). Genetic and environmental influences on age at sexual initiation in the Colorado Adoption Project. *Behavior Genetics*, *36*, 820-832.
- 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.

- Fauth, E. B., Zarit, S. H., Femia, E. E., **Hofer, S. M.**, & Stephens, M. A. P. (2006). Behavioral and psychological symptoms of dementia and caregivers' stress appraisals: Intra-individual stability and change over short-term observations. *Aging and Mental Health, 10*, 563-573.
- Hofer, S. M.**, Flaherty, B. P., & Hoffman, L. (2006). Cross-sectional analysis of time-dependent data: Mean-induced association in age-heterogeneous samples and an alternative method based on sequential narrow age-cohorts. *Multivariate Behavioral Research, 41*, 165-187.
- Proctor, D. N., Fauth, E. B., Hoffman, L., **Hofer, S. M.**, Berg, S., & Johansson, B. (2006). Longitudinal changes in physical functional performance among the oldest old: Insight from a study of Swedish twins. *Aging Clinical and Experimental Research, 18*, 517-530.
- Sliwinski, M. J., Smyth, J., **Hofer, S. M.**, & Stawski, R. (2006). Intraindividual coupling of daily stress and cognition. *Psychology and Aging, 21*, 545-557.
- Thorvaldsson, V., **Hofer, S. M.**, & Johansson, B. (2006). Ageing and late life terminal decline: A comparison of alternative modeling approaches. *European Psychologist, 11*, 196-203.
- Thorvaldsson, V., **Hofer, S. M.**, Berg, S. & Johansson, B. (2006). Effects of repeated testing in a longitudinal age-homogeneous study of cognitive aging. *Journal of Gerontology: Psychological Sciences, 61B*, P348-P354.
- Shanahan, M. J., & **Hofer, S. M.** (2005). Social context in gene-environment interactions: Retrospect and prospect. *Journal of Gerontology: Behavioral and Social Sciences, 60B* (Special Issue I), 65-76.
- Anstey, K. J., & **Hofer, S. M.** (2004). Longitudinal designs, methods and analysis in psychiatric research. *Australian and New Zealand Journal of Psychiatry, 38*, 93-104.
- Christensen, H., Mackinnon, A., Jorm, A. F., Korten, A., Jacomb, P., **Hofer, S. M.**, & Henderson, A. S. (2004). The Canberra Longitudinal Study: Design, aims, methodology, outcomes, and recent empirical investigations. *Aging, Neuropsychology, and Cognition, 11*, 169-195.
- Hassing, L. B., Grant, M. D., **Hofer, S. M.**, Pedersen, N. L., Nilsson, S. E., Berg, S., McClearn, G. E. & Johansson, B. (2004). Type 2 diabetes mellitus contributes to cognitive change in the oldest old: A longitudinal population-based study. *Journal of the International Neuropsychological Society, 4*, 599-607.
- Hassing, L. B., **Hofer, S. M.**, Nilsson, S. E., Berg, S., Pedersen, N. L., McClearn, G. E. & Johansson, B. (2004). Comorbid Type 2 diabetes mellitus and hypertension exacerbates cognitive decline: Evidence from a longitudinal study. *Age and Ageing, 33*, 355-361.
- 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.
- Martin, M. & **Hofer, S. M.** (2004). Intraindividual variability, change, and aging: Conceptual and analytical issues. *Gerontology, 50*, 7-11.
- Zimprich, D., **Hofer, S. M.**, & Aartsen, M. J. (2004). Short-term versus long-term changes in processing speed. *Gerontology, 50*, 17-21.
- Anstey, K. J., **Hofer, S. M.**, & Luszcz, M. A. (2003). A latent growth curve analysis of late life cognitive and sensory function over eight years: Evidence for specific and common factors underlying change. *Psychology and Aging, 18*, 714-726.

- Anstey, K. J., **Hofer, S. M.**, & Luszcz, M. A. (2003). Cross-sectional and longitudinal patterns of dedifferentiation in late-life cognitive and sensory function: The effects of age, ability, attrition, and occasions of measurement. *Journal of Experimental Psychology: General*, *132*, 470-487.
- Conroy, D. E., Elliott, A. J., & **Hofer, S. M.** (2003). A 2 x 2 Achievement Goals Questionnaire for Sport: Evidence for factorial invariance, temporal stability, and external validity. *Journal of Sport and Exercise Psychology*, *25*, 456-476.
- Conroy, D. E., Metzler, J. N., & **Hofer, S. M.** (2003). Factorial invariance and latent mean stability of performance failure appraisals. *Structural Equation Modeling*, *10*, 401-422.
- Heiman, N., Stallings, M. C., Hewitt, J. K., & **Hofer, S. M.** (2003). Investigating age differences in the genetic and environmental structure of the Tridimensional Personality Questionnaire in later adulthood. *Behavior Genetics*, *33*, 171-180.
- Hofer, S. M.**, Berg, S., & Era, P. (2003). Evaluating the interdependence of aging-related changes in visual and auditory acuity, balance, and cognitive functioning. *Psychology and Aging*, *18*, 285-305.
- Mackinnon, A., Christensen, H., **Hofer, S. M.**, Korten, A., & Jorm, A. F. (2003). Use it and still lose it? The association between activity and cognitive performance established using latent growth techniques in a community sample. *Aging, Neuropsychology, and Cognition*, *10*, 215-229.
- Pedersen, N. L., Ripatti, S., Berg, S., Reynolds, C., **Hofer, S. M.**, Finkel, D., Gatz, M., & Palmgren, J. (2003). The influence of mortality on twin models of change: Addressing missingness through multiple imputation. *Behavior Genetics*, *33*, 161-169.
- Sliwinski, M. J., **Hofer, S. M.**, & Hall, C. (2003). Correlated and coupled cognitive change in older adults with and without clinical dementia. *Psychology and Aging*, *18*, 672-683.
- Sliwinski, M. J., **Hofer, S. M.**, Hall, C., Bushke, H., & Lipton, R. B. (2003). Modeling memory decline in older adults: The importance of preclinical dementia, attrition and chronological age. *Psychology and Aging*, *18*, 658-671.
- Hassing, L. B., Johansson, B., Berg, S., Nilsson, S. E., Pedersen, N. L., **Hofer, S. M.**, & McClearn, G. E. (2002). Terminal decline and markers of cerebro- and cardiovascular disease: Findings from a longitudinal study of the oldest-old. *Journals of Gerontology B: Psychological Sciences/ Social Sciences*, *57*, P268-P276.
- Hofer, S. M.**, Christensen, H., MacKinnon, A. J., Korten, A. E., Jorm, A. F., Henderson, A. S., & Easta, S. (2002). Change in cognitive functioning associated with apoE genotype in a community sample of older adults. *Psychology and Aging*, *17*, 194-208.
- Hofer, S. M.**, Sliwinski, M. J., & Flaherty, B. P. (2002). Understanding Aging: Further commentary on the limitations of cross-sectional designs for aging research. *Gerontology*, *48*, 22-29.
- Christensen, H., **Hofer, S. M.**, Mackinnon, A. J., Korten, A. E., Jorm, A. F., & Henderson, A. S. (2001). Age is no kinder to the better educated: Absence of an association established using latent growth techniques in a community sample. *Psychological Medicine*, *31*, 15-27.
- Francis, L. A., **Hofer, S. M.**, & Birch, L. L. (2001). Predictors of maternal child-feeding style: Maternal and child characteristics. *Appetite*, *37*, 231-243.
- Hofer, S. M.**, & Sliwinski, M. J. (2001). Understanding ageing: An evaluation of research designs for assessing the interdependence of ageing-related changes. *Gerontology*, *47*, 341-352.
- Austin, E. J., **Hofer, S. M.**, Deary, I. J. & Eber, H. W. (2000). Interactions between intelligence and personality: A study of Cattell scales in two large samples. *Personality and Individual Differences*, *29*, 405-428.

- Fernandez, J. R., Tarantino, L. M., **Hofer, S. M.**, Vogler, G. P., & McClearn, G. E. (2000). Epistatic quantitative trait loci for alcohol preference in mice. *Behavior Genetics*, *30*, 431-437.
- Shanahan, M. J., Sulloway, F. J., & **Hofer, S. M.** (2000). Change and constancy in developmental contexts. *International Journal of Behavioral Development*, *24*, 421-427.
- Johansson, B., Whitfield, K., Pedersen, N. L., **Hofer, S. M.**, Ahern, F., & McClearn, G. E. (1999). Origins of individual differences in episodic memory in the oldest-old: A population-based study of identical and same-sex fraternal twins aged 80 and above. *Journal of Gerontology*, *54B*, P173-P179.
- McClearn, G. E., & **Hofer, S. M.** (1999). Genes as gerontological variables: Genetically heterogeneous stocks and complex systems. *Neurobiology of Aging*, *20*, 147-156.
- McClearn, G. E., & **Hofer, S. M.** (1999). Genes as gerontological variables: Uniform genotypes. *Neurobiology of Aging*, *20*, 95-104.
- Sliwinski, M. J., & **Hofer, S. M.** (1999). How strong is the evidence for mediational hypotheses of age-related memory loss? A commentary on Luszcz and Bryan. *Gerontology*, *45*, 351-354.
- McClearn, G. E., Tarantino, L. M., **Hofer, S. M.**, Jones, B., & Plomin, R. (1998). Developmental loss of effect of a chromosome 15 QTL on alcohol acceptance. *Mammalian Genome*, *9*, 991-994.
- Hofer, S. M.**, Horn, J. L., Eber, H. W. (1997). A robust five-factor structure of the 16PF: Evidence from independent rotation and confirmatory factorial invariance procedures. *Personality and Individual Differences*, *23*, 247-269.
- Vogler, G. P., Tang, W., Nelson, T. L., **Hofer, S. M.**, Grant, J. D., Tarantino, L. M., & Fernandez, J. R. (1997). A multivariate model for the analysis of sib-ship covariance structure using marker information and multiple quantitative traits. *Journal of Genetic Epidemiology*, *14*, 921-926.
- Graham, J. W., **Hofer, S. M.**, & MacKinnon, D. P. (1996). Maximizing the usefulness of data obtained with planned missing value patterns: An application of maximum likelihood procedures. *Multivariate Behavioral Research*, *31*, 197-218.
- 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.
- Hofer, S. M.**, Stallings, M. C., Reynolds, C., Cliff, N., & Russell, G. L. (1994). What criteria define a successful career in psychology? It depends on who you ask. *Educational and Psychological Measurement*, *54*, 447-458.

Books

- Newsom, J. T., Jones, R. N., & **Hofer, S. M.** (Eds., 2011). *Longitudinal data analysis: A practical guide for researchers in aging, health, and social sciences*. New York: Taylor & Francis.
- Hofer, S. M.**, & Alwin, D. F. (Eds., 2008). *The Handbook of Cognitive Aging: Interdisciplinary Perspectives*. Thousand Oaks: Sage Publications.

Parts of Books

- Rush, J., Ong, A. D., **Hofer, S. M.**, & Horn, J. L. (2018). Capturing the complexity and dynamics of positive human health: Conceptual and methodological considerations. In S. J. Lopez, L. M. Edwards, & S. C. Marques (Eds.) *Oxford Handbook of Positive Psychology* (3rd Edition).

- Hardy, R., Muniz-Terrera, G., & **Hofer, S. M.** (2014). Design of life course studies of healthy ageing. In D. Kuh, R. Cooper, R. Hardy, M. Richards, & Y. Ben-Shlomo (Eds.), *A life course approach to healthy ageing* (pp. 65-78). Oxford: Oxford University Press.
- 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. 72-96). 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.
- Walls, T. A., Barta, W., Stawski, R. S., Collyer, C., & **Hofer, S. M.** (2011). Timescale dependent longitudinal designs. In B. Laursen, T. D. Little, & N. Card (Eds.), *Handbook of developmental research methods* (pp. 46-64). New York: Guilford Press.
- Bontempo, D. E., Grouzet, F. M. E., & **Hofer, S. M.** (2011). Measurement issues in the analysis of within-person change. In J. T. Newsom, R. N. Jones, & S. M. Hofer (Eds.), *Longitudinal data analysis: A practical guide for researchers in aging, health, and social sciences* (pp. 97-142). New York: Routledge.
- Shanahan, M. J., & **Hofer, S. M.** (2011). Molecular genetics, aging, and well-being: Sensitive period, accumulation, and pathway models. In R. H. Binstock & L. K. George (Eds.), *Handbook of Aging and Social Sciences* (7th Edition; pp. 135-147). New York: Elsevier.
- Hofer, S. M.**, & Piccinin, A. M. (2010). Longitudinal Designs. In N. J. Salkind (Ed.), *Encyclopedia of Research Design*. Thousand Oaks: Sage Publications.
- Sliwinski, M. J., Hoffman, L., & **Hofer, S. M.** (2010). Modeling retest and aging effects in a measurement burst design. In P. C. M. Molenaar & K. M. Newell (Eds.), *Individual pathways of change: Statistical models for analyzing learning and development* (pp. 37-50). Washington DC: American Psychological Association.
- Alwin, D. F. & **Hofer, S. M.** (2008). Challenges to interdisciplinary research on cognitive aging. In S. M. Hofer and D. F. Alwin (Eds.), *Handbook on Cognitive Aging: Interdisciplinary Perspectives* (pp. 2-32). Thousand Oaks: Sage Publications.
- Hofer, S. M.** & Alwin, D. F. (2008). The future of cognitive aging research: Interdisciplinary perspectives and integrative science. In S. M. Hofer and D. F. Alwin (Eds.), *Handbook on Cognitive Aging: Interdisciplinary Perspectives* (pp. 662-672). 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* (446-476). Thousand Oaks: Sage Publications.
- Thorvaldsson, V., **Hofer, S. M.**, Hassing, L., & Johansson, B. (2008). Cognitive change as conditional on age heterogeneity in onset of mortality-related processes and repeated testing effects. In S. M. Hofer and D. F. Alwin (Eds.), *Handbook on Cognitive Aging: Interdisciplinary Perspectives* (pp. 284-297). Thousand Oaks: Sage Publications.
- Bontempo, D. E., & **Hofer, S. M.** (2007). Assessing factorial invariance in cross-sectional and longitudinal studies. In A.D. Ong & M. van Dulmen (Eds.), *Handbook of methods in positive psychology* (pp. 153-175). Oxford University Press.
- Hofer, S. M.**, & Hoffman, L. (2007). Statistical analysis with incomplete data: A developmental perspective. In T. D. Little, J. A., Bovaird, & N. A. Card, (Eds.), *Modeling ecological and contextual effects in longitudinal studies of human development* (pp. 13-32). Mahwah, NJ: LEA.

- 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.
- Alwin, D. F., **Hofer, S. M.**, & McCammon, R. (2006). Modeling the effects of time: Integrating demographic and developmental perspectives. In R. H. Binstock & L. K. George (Eds.), *Handbook of the aging and the social sciences* (6th Edition; pp. 20-38). San Diego: Academic Press.
- Alwin, D. F., McCammon, R., & **Hofer, S. M.** (2006). Studying the baby boom cohorts within a demographic and developmental context: Conceptual and methodological Issues. In S. K. Whitbourne & S. L. Willis (Eds.), *The baby boomers grow up: Contemporary perspectives on midlife*. Mahwah NJ: Erlbaum.
- Hofer, S. M.**, & Sliwinski, M. J. (2006). Design and analysis of longitudinal studies of aging. In J. E. Birren & K. W. Schaie (Eds.), *Handbook of the psychology of aging* (6th Edition; pp. 15-37). San Diego: Academic Press.
- Shanahan, M. J., **Hofer, S. M.**, & Shanahan, L. (2003). Biological models of behavior and the life course. In J. T. Mortimer & M. J. Shanahan (Eds.), *Handbook of the life course* (pp. 597-622). New York: Plenum.
- Hofer, S. M.**, & Eber, H. W. (2002). Second-order factor structure of the Cattell Sixteen Personality Factor Questionnaire. In B. De Raad & M. Perugini (Eds.), *Big five assessment* (pp. 397-409). Göttingen, Germany: Hogrefe & Huber.
- Shanahan, M. J., **Hofer, S. M.**, & Miech, R. A. (2002). Planful competence, the life course, and aging: Retrospect and prospect. In S. H. Zarit, L. I. Pearlin, & K. W. Schaie (Eds.), *Personal control in social and life contexts* (pp. 189-211). New York: Springer.
- McClearn, G. E., Vogler, G. M., & **Hofer, S. M.** (2001). Gene-gene and gene-environment interactions. In E. J. Masoro & S. N. Austad (Eds.), *Handbook of the biology of aging* (5th Edition; pp. 423-444). San Diego: Academic Press.
- Schaie, K. W., & **Hofer, S. M.** (2001). Longitudinal studies in aging research. In J. E. Birren & K. W. Schaie (Eds.), *Handbook of the psychology of aging* (5th Edition; pp. 53-77). San Diego: Academic Press.
- Graham, J. W., & **Hofer, S. M.** (2000). Multiple imputation with NORM in a structural equation modeling context. In T. D. Little, K. U. Schnabel, & J. Baumert, J. (Eds.), *Modeling longitudinal and multilevel data: Practical issues, applied approaches, and specific examples* (pp. 201-218). Hillsdale, NJ: Erlbaum.
- Hofer, S. M.** (1999). Assessing personality structure using factorial invariance procedures. In I. Mervielde, I. Deary, F. De Fruyt, & F. Ostendorf (Eds.), *Personality psychology in Europe* (pp. 35-49), Vol. 7. The Netherlands: Tilburg University Press.
- Graham, J. W., **Hofer, S. M.**, Donaldson, S. I., MacKinnon, D. P., & Schafer, J. L. (1997). Analysis with missing data in prevention research. In K. J. Bryant, M. W. Windle, & S. J. West (Eds.), *The science of prevention: Methodological advances from alcohol and substance abuse research* (pp. 325-366). Washington, DC: 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. A. Seitz (Eds.), *Drug abuse prevention intervention research: Methodological issues* (pp. 13-63). National Institute on Drug Abuse Research Monograph Series. Washington, DC: NIDA.
- Horn, J. L., & **Hofer, S. M.** (1992). Major abilities and development in the adult period. In R. J. Sternberg & C. A. Berg (Eds.), *Intellectual development* (pp. 44-99). New York: Cambridge University Press.

Unpublished Manuscripts and Computer Software

- Hofer, S. M.** (1994). On the structure of personality and the relationship of personality to the development of fluid and crystallized intelligence in adulthood (Doctoral dissertation, University of Southern California, Los Angeles, 1994). *Dissertation Abstracts International*, 55, 3625B.
- Graham, J. W. & **Hofer, S. M.** (1993). *EMCOV* [Computer program and manual]. Los Angeles: Authors.
- Horn, J. L. & **Hofer, S. M.** (1993). *Continuation to the doctorate degree and the predictive validity of GRE assessments at the University of Southern California* (88 pp.). Los Angeles: The Graduate School, USC.
- Becker, R. & **Hofer, S. M.** (1991). *Computerized Selective Attention Task (CSAT)* [Computer program and manual]. Los Angeles: Authors.

Papers Presented at Professional Meetings

- Hofer, S. M.** *Establishing the Replicability and Generalizability of Longitudinal Studies: The Major Role of Multi-Study Integrative Approaches*. Paper presented in *Becoming More Open: Increasing Rigor and Reproducibility of Gerontological Science* Symposium, Gerontological Society of America's 71st Annual Scientific Meeting.
- Lewis, N. A., Bennett, D. A., & **Hofer, S. M.** (2020, August). *The role of cognitively stimulating activities throughout the lifespan on risk and timing of conversion to dementia*. Alzheimer's Association International Conference.
- Hofer, S. M.**, Muniz Terrera, G., & Piccinin, A. (2019, May). *Integrative Longitudinal Data Analysis: Top Ten Reasons for Using a Coordinated Analysis Approach for International Replication Research*. In S. M. Hofer (Chair), Integrative Analysis of Longitudinal Studies on Aging and Dementia (IALSA): Recent Results from a Program of Multistudy Cross-National Longitudinal Research on Determinants and Dynamics of Aging and Health-Related Change. Paper symposium presented at the 23rd IAGG World Congress of Gerontology and Geriatrics (IAGG/GSA), Gothenburg, Sweden.
- Zammit, A., Piccinin, A., Muniz, G., Robitaille, A., & **Hofer, S. M.** (2019, May). *Aging-Related Dynamics across Physical and Cognitive Functioning*. In S. M. Hofer (Chair), Integrative Analysis of Longitudinal Studies on Aging and Dementia (IALSA): Recent Results from a Program of Multistudy Cross-National Longitudinal Research on Determinants and Dynamics of Aging and Health-Related Change. Paper symposium presented at the 23rd IAGG World Congress of Gerontology and Geriatrics (IAGG/GSA), Gothenburg, Sweden.
- Robitaille, A., van den Hout, A., Machado, R. J. M., Čukić, I., Deary, I. J., **Hofer, S. M.**, et al. (2019, May). *Transitions Across Cognitive States and Death Among Older Adults in Relation to Education: a Multi-State Survival Model Using Data from Six Longitudinal Studies*. In S. M. Hofer (Chair), Integrative Analysis of Longitudinal Studies on Aging and Dementia (IALSA): Recent Results from a Program of Multistudy Cross-National Longitudinal Research on Determinants and Dynamics of Aging and Health-Related Change. Paper symposium presented at the 23rd IAGG World Congress of Gerontology and Geriatrics (IAGG/GSA), Gothenburg, Sweden.
- Hofer, S. M.**, Brewster, P., Henri-Bhargava, A., & Rush, J. (2019, March). *Mobile Monitoring of Cognitive Change: Design and Data Analytics for Increasing the Sensitivity and Accuracy of Within-Person Change*. Poster presented at the Rotman Research Institute Conference, Toronto, ON.

- Hofer, S. M.** (2018, November). *On the Interdependence of Aging-Related Changes in Physical and Cognitive Functioning: Design and Analysis Issues*. Paper presented in the Aging-related Dynamics Between Physical Functioning and Cognitive Abilities Across Longitudinal Studies Symposium, Gerontological Society of America's 70th Annual Scientific Meeting, Boston, MA.
- Lewis, N., Yoneda, T., Knight, J., DeVito, A., Muniz Terrera, G., & **Hofer, S. M.** (2018, November). *Access to Cognitive Resources in Early Life and Transitions Across Cognitive States in Middle and Older Adulthood*. Poster presented at the Gerontological Society of America's 70th Annual Conference, Boston, MA.
- Rush J., Rast, P., **Hofer, S. M.**, & Diehl, M. (2018, November). *Long-term increases in daily stress reactivity predicts lower well-being: Findings from DAISI measurement burst data*. Paper presented at the Gerontological Society of America's 70th Annual Scientific Meeting, Boston, MA.
- Rush, J., Rast, P., & **Hofer, S. M.** (2018, October). *Short-term within-person associations as predictors of long-term changes in psychological well-being: Findings from measurement burst data*. Paper presented at the Canadian Association on Gerontology Annual Meeting, Vancouver, BC.
- Rush, J., Graham, R., & **Hofer, S. M.** (2017, October). *The moderating effect of physical activity on longitudinal changes in cognition: An application of the Johnson-Neyman technique to probe curvilinear changes*. Poster presented at the Canadian Association on Gerontology Annual Meeting, Winnipeg, MB.
- Hofer, S. M.**, Piccinin, A. M., Muniz, G., Clouston, S. A., Mroczek, D., Kaye, D., & Kuh, D. (2017, July). *Integrative Data Analysis of Longitudinal Observational Studies: Achieving Reproducible International Research through Coordinated Analysis*. 21st IAGG World Congress of Gerontology and Geriatrics (IAGG/GSA), San Francisco, United States.
- Hoogendijke, E.O., Robitaille, A., Van den Hout A., Machado, R.J.M., Čukić, I., **Hofer, S. M.**, Johansson, B., Koval, A.V., Van der Noordt, M., Rijnhart, J.J.M., A., Skoog, J., Vermunt, L., Muniz-Terrera, G. (May, 2017). *Transitions across cognitive states and mortality among older adults in relation to education. A multistate survival model using data from six longitudinal studies*. Paper presented at the 29th REVES meeting, Santiago de Chile, Chile.
- Graham, R. B., Karr, J. E., Muniz-Terrera, G., & **Hofer, S. M.** (2017, July). *A systematic review of change point studies on cognitive and neurologic outcomes preceding dementia*. Poster presented at the 21st IAGG World Congress of Gerontology and Geriatrics, San Francisco, CA.
- Muniz, G, **Hofer, S. M.**, et al. (2017, July). *Active cognitive lifestyle as a protective factor for cognitive decline and dementia?* 21st IAGG World Congress of Gerontology and Geriatrics (IAGG/GSA), San Francisco, United States.
- Piccinin, A. M., **Hofer, S. M.**, et al., (2017, July). *Multivariate Change in Physical and Cognitive Functioning: An Evaluation across 12 IALSA-Affiliated Longitudinal Studies*. 21st IAGG World Congress of Gerontology and Geriatrics (IAGG/GSA), San Francisco, United States.
- Rush, J., Rast, P., & **Hofer, S. M.** (2017, July). *Optimizing detection of within-person effects on aging-related outcomes: Benefits of multilevel SEM*. Paper presented at the International Association of Gerontology and Geriatrics World Congress, San Francisco, CA.

- Robitaille, A., Van den Hout A., Machado, R.J.M., Čukić, I., Deary, I.J., **Hofer, S. M.**, Hoogendijke, E.O., Johansson, B., Koval, A.V., Van der Noordt, M., Piccinin, A.M., Rijnhart, J.J.M., Singh-Manoux, A., Skoog, J., Skoog, I., Vermunt, L., Muniz-Terrera, G. (2017, July). *Transitions Across Cognitive States and Mortality Among Older Adults: A Multi-State Survival Model*. Paper presented at the Alzheimer's Association International Conference (AAIC), London, UK.
- Thomas, N., Mattek, N., Dodge, H., Wild, K., Silbert, L., **Hofer, S. M.**, Kaye, K., Piccinin, A., Erten-Lyons, D. (2017, April). *Predicting long term cognitive outcomes after stroke using pre and post-stroke cognitive trajectories*. Poster presented at the American Academy of Neurology Annual Meeting, Boston, MA.
- Nguyen M, Mattek N, Dodge H, Woltjer R, Howieson D, Silbert L, **Hofer S. M.**, Kaye J, Piccinin A, and Erten-Lyons D. (2016, April). *Pathologies Underlying Longitudinal Cognitive Decline in Old Age*. *Neurology* April 5, 2016, 86:16 Supplement P6.224; Presented at the 2016 American Academy of Neurology meeting.
- Brown, C. L., Robitaille, A., Dixon, R. A., **Hofer, S. M.**, & Piccinin, A. M. (2016, May). *Cognitive activity mediates the association between social activity cognitive performance: A longitudinal study*. Poster presented at the Campus Alberta Neuroscience 2016 International Conference: Promoting Healthy Brain Aging and Preventing Dementia Banff, AB.
- Koval, A.V., Beasley, W. H., Piccinin, A.M., Muniz-Terrera, G., **Hofer, S. M.**, (2016, June). *Big Data, Big Analysis: A Collaborative Modeling Framework for Multi-study Replication*, Poster session presented at the Annual Convention of Canadian Psychological Association, Victoria, BC.
- Graham, R. B. & **Hofer, S. M.** (November, 2016). *Physical activity and risk of cognitive decline in individuals with hypertension and diabetes*. Poster presented at the Gerontological Society of America's 69th Annual Scientific Meeting, New Orleans, LA.
- Robitaille, A., Piccinin, A.M., Johansson, B., **Hofer, S. M.**, & Muniz, G. (November, 2016). *Trajectories of Physical and Cognitive Functions: A Parallel Growth Mixture Modeling Approach*. Paper presented at the 2016 GSA Annual Scientific Meeting, New Orleans, LA.
- Rush, J., Rast, P., Almeida, D. M., & **Hofer, S. M.** (2016, November). *Modeling long-term changes in daily within-person relationships: An application of multilevel SEM*. Paper presented at the Gerontological Society of America Annual Meeting, New Orleans, LA.
- Muniz, G., Robitaille, A., Piccinin, A.M., Johansson, B., **Hofer, S. M.** (2016, November). *Is Terminal Decline Inevitable? Growth Mixture Modeling Using Time to Death*. Paper presented at the 2016 GSA Annual Scientific Meeting, New Orleans, LA.
- Bendayan, R., Piccinin, A.M, **Hofer, S. M.** & Muniz-Terrera, G. (2015, November). *Changes in Health in Older Adults: Comparing the Health and Retirement Study and the English Longitudinal Study*. Poster presented at the 67th Annual Scientific Meeting of the Gerontological Society of America, Washington DC.
- Cadar D., Stephan B.C.M., Jagger C., Piccinin A.M., **Hofer S. M.**, Johansson B., Muniz-Terrera G. (2015, April). *The role of education on terminal decline: A cross cohort analysis from two European studies: OCTO-Twin, Sweden and Newcastle 85+, UK*. Oral presentation at the 8th Congress of the International Association of Gerontology and Geriatrics-European Region Congress, Dublin, Ireland.

- Cadar D., Johansson B., Piccinin A.M., **Hofer S. M.**, Muniz-Terrera G. (2015, April). *Education does not moderate the rate of cognitive decline prior to dementia diagnosis: Evidence from the OCTO-Twin longitudinal study*. Oral presentation at the 8th Congress of the International Association of Gerontology and Geriatrics-European Region Congress, Dublin, Ireland.
- Bendayan, R., Piccinin, A.M., **Hofer, S. M.**, & Muniz, G. (2015, April). *Health Indicators of Age-Related Decline in English Older Adults: Results from the English Longitudinal Study of Ageing*. Paper presented at IAGG-ER. Dublin, Ireland.
- Bendayan, R., Muniz, G., Tikhonoff, V., **Hofer, S. M.**, & Piccinin, A. (2015, April) *Consistency in Self-Reported Hypertension In Longitudinal Studies Of Ageing*. Poster presented at IAGG-ER. Dublin, Ireland.
- Kelly, A., Calamia, M., Muniz Terrera, G., Piccinin, A. M., & **Hofer, S. M.** (2015, June). *On the relation of cardiovascular disease to cognitive aging: Independent and interactive impacts of hypertension and diabetes mellitus on memory*. In A. M. Piccinin (Chair), *Cognitive Ageing Gracefully*. Paper symposium presented at the 11th Annual Meeting of the Society for Applied Research in Memory and Cognition, Victoria, BC.
- Piccinin, A. M. & **Hofer, S. M.** (2015, June). *Integrative Analysis of Longitudinal Studies of Aging (IALSA): Reproducible research on lifespan changes in cognition and memory using a coordinated analysis approach*. In A. M. Piccinin & S. M. Hofer (Chairs), *Cognitive Ageing Gracefully*. Paper symposium presented at the 11th Annual Meeting of the Society for Applied Research in Memory and Cognition, Victoria, BC.
- Cadar D., Stephan B.C.M., Jagger C., Sharma N., Dufouil C., den Elzen W.P.J., Gussekloo J., Aartsen M., Huisman M., Deeg D., Johansson B., Kochan N., Reppermund S., Sachdev P., Brodaty H., **Hofer S. M.**, Piccinin A. M., Muniz-Terrera G. (2015, July). *Moderating influence of education on dementia-related cognitive decline: A comparison of six longitudinal studies of ageing*. Oral presentation at the Longitudinal Studies: Maximising their value for ageing research Conference, Cambridge, UK.
- Bendayan, R., Piccinin, A.M., **Hofer, S. M.**, & Muniz, G. (2015, July). *Changes in Depression and Memory: Findings from the Health Retirement Study and the English Longitudinal Study of Ageing*. Poster presented at Longitudinal Studies: Maximising Their Value for Ageing Research. Wellcome Trust Conference. Cambridge, UK.
- Bendayan, R., Piccinin, A.M., **Hofer, S. M.**, & Muniz, G. (2015, July). *Self-Rated Health and Memory Changes in Older Adults: Evidence from the English Longitudinal Study of Ageing and the Health Retirement Study*. Poster presented at Longitudinal Studies: Maximising Their Value for Ageing Research. Wellcome Trust Conference. Cambridge, UK.
- Koval, A.V., Piccinin, A., **Hofer, S. M.**, Muniz, G., & Beasley, W. H. (2015, July). *A Collaborative Modeling Framework for Multi-Study Coordinated Analyses*. Oral presentation at Longitudinal Studies: Maximising Their Value for Ageing Research. Wellcome Trust Conference, Cambridge UK.
- Cadar D., Stephan B.C.M., Jagger C., Piccinin A.M., **Hofer S. M.**, Johansson B., Muniz-Terrera G. (2015, September). *Does education explain the terminal decline in the oldest-old? Evidence from two longitudinal studies of ageing: Newcastle 85+, UK and OCTO-Twin, Sweden*. Poster presented at the Society for Social Medicine Conference, Dublin, Ireland.

- Cadar D., Stephan B.C.M., Jagger C., den Elzen W.P.J, Gussekloo J., Dufouil C., Johansson B., **Hofer S. M.**, Piccinin A.M., Muniz-Terrera G. (2015, September). *Is Education a demographic dividend? International evaluations of cognitive reserve and cognitive decline in preclinical stages of dementia: Evidence from four longitudinal studies of ageing*. Oral presentation at the Society for Social Medicine Conference, Dublin, Ireland.
- Nguyen, M., Mattek, N., Dodge, H., Woltjer, R., Howieson, D., Silbert, L., **Hofer, S. M.**, Kaye, J., Piccinin, A.M., & Erten-Lyons, D. (2015, July). *Pathologies Underlying Longitudinal Cognitive Decline in Old Age*. Platform presentation at the 2015 Alzheimer's Association International Conference, Washington DC.
- Bendayan, R., Piccinin, A., **Hofer, S. M.**, & Muniz-Terrera, G. (2015, November). *Depression and memory changes in American and English Older Adults*. Paper presented at the 68th Annual Meeting of the Gerontological Society of America. Orlando, FL.
- Bendayan, R., Piccinin, A.M., **Hofer, S. M.**, & Muniz, G. (2015, November). *Examining Change in Self-Rated Health and Memory in American and English Older Adults*. Paper presented at the 68th Annual Scientific Meeting of the Gerontological Society of America, Orlando, FL.
- Graham, E.K., Mroczek, D., Rutsohn, J., Spiro, A., Yoneda, T., Booth, T. Katz, M., Lipton, R., Allemand, M., Martin, M., Reynolds, C., Beam, C., Pedersen, N., Deeg, D., Zelinski, L., Piccinin, A., & **Hofer, S. M.** (2015, November). *Cross Cultural Personality Change: Comparison of Personality Trajectories in International Longitudinal Studies*. Symposium talk presented at the 68th Annual Scientific Meeting of the Gerontological Society of America, Orlando, FL.
- Cadar D., Stephan B.C.M., Jagger C., den Elzen W.P.J, Gussekloo J., Dufouil C., Johansson B., **Hofer S. M.**, Piccinin A.M., Muniz-Terrera G. (2015, November). *Re-examining cognitive reserve and its effects on cognitive decline trajectories*, In Graciela Muniz-Terrera (Chair): International Evaluations of Cognitive Reserve and Cognitive Decline in Preclinical Stages of Dementia. Symposium at the 68th Annual Scientific Meeting of the Gerontological Society of America (GSA), Orlando, FL.
- Muniz, G, **Hofer S. M.**, Piccinin, A.M. (2015, November). *Bivariate random change point models*. Talk delivered within symposium "Innovative methods for longitudinal data". Annual meeting of the Gerontological Society of America 2015. Orlando, FL.
- Cadar D., Stephan B.C.M., Jagger C., Piccinin A.M., **Hofer S. M.**, Johansson B., Muniz-Terrera G. (2015, November). *The Role of Education on the Terminal Decline in the Oldest-Old*. Paper presented at the 68th Annual Scientific Meeting of the Gerontological Society of America, Orlando, FL.
- Piccinin, A.M., Brown, C.L., Robitaille, A., Koval, A., Zammit, A.R., Wu, C., Clouston, S., Handschuh, P., Lee, L., Jarry, V., Finkel, D., & **Hofer, S. M.** (2015, November). *Multivariate Change in Physical and Cognitive Functioning: Associations in Eight IALSA-Affiliated Longitudinal Studies*. Poster presented at the 68th Annual Scientific Meeting of the Gerontological Society of America, Orlando, FL.
- Cadar D., Stephan B.C.M., Jagger C., Sharma N., Dufouil C., den Elzen W.P.J., Gussekloo J., Aartsen M., Huisman M., Deeg D., Johansson B., Kochan N., Reppermund S., Sachdev P., Brodaty H., **Hofer S. M.**, Piccinin A.M., Muniz-Terrera G. (2015, November). *Is education a demographic dividend? The role of cognitive reserve on dementia-related cognitive decline: a comparison of six longitudinal studies of ageing*. Poster presented at the Public Health Science: A National Conference Dedicated to New Research in UK Public Health, London, UK.

- Cadar D., Stephan B.C.M., Jagger C., Piccinin A.M., **Hofer S. M.**, Johansson B., Muniz-Terrera G. (2015, November). *Does education explain the terminal decline in the oldest-old? Evidence from two longitudinal studies of ageing: Newcastle 85+, UK and OCTO-Twin, Sweden*. Poster presented at the Public Health Science: A National Conference Dedicated to New Research in UK Public Health, London, UK.
- Graham, R. B., Duggan, E. C., Piccinin, A. M., & **Hofer, S. M.** (2015, November). *An Examination of the Longitudinal Relationship between Cognition and Pulmonary Function: A Systematic Review*. Poster presented at the 68th Annual Scientific Meeting of the Gerontological Society of America, Orlando, FL.
- Cadar, D., Johansson, B., Piccinin, A. M., **Hofer, S. M.**, & Muniz-Terrera, G. (2014, November). *Education Does Not Moderate the Rate of Cognitive Decline Prior to Dementia Diagnosis: Evidence From the OCTO-Twin Longitudinal Study*. Presented at the 67th Annual Scientific Meeting of the Gerontological Society of America, Washington, DC.
- Clouston, C., Richards, M., Cadar, D., & **Hofer, S. M.** (2014, November). *Educational Inequalities in Health Behaviors at Midlife: Is there a Role for Early-life Cognition?* Presented at the 67th Annual Scientific Meeting of the Gerontological Society of America, Washington, DC.
- Comijs, H. C., Visser, M., & **Hofer, S. M.** (2014, November). Discussant. *Modifiable Determinants and Trends of Cognitive Functioning in Community-dwelling Older Persons*. Presented at the 67th Annual Scientific Meeting of the Gerontological Society of America, Washington, DC.
- Hofer, S. M.**, & Clouston, S. (2014, November). *Implications of Increases in Intelligence across Birth Cohorts for Longitudinal Research on Aging: Adjusting for the “Flynn Effect” in Estimates of Age-Related Differences and Changes*. Presented at the 67th Annual Scientific Meeting of the Gerontological Society of America, Washington, DC.
- Hofer, S. M.**, Piccinin, A. M., & Deeg, D. J. (2014, November). *Integrative Analysis of Longitudinal Studies of Aging (IALSA): Reproducible Research on Lifespan Changes in Cognition, Personality, and Health using a Coordinated Analysis Approach*. Presented at the 67th Annual Scientific Meeting of the Gerontological Society of America, Washington, DC.
- Hofer, S. M.**, Piccinin, A. M., Muniz, G., Clouston, S., Mroczek, D., Kaye, J., & Kuh, D. (2014, November). *Integrative Analysis of Longitudinal Studies on Aging (IALSA): Achieving Reproducible International Research through Coordinated Analysis*. Presented at the 67th Annual Scientific Meeting of the Gerontological Society of America, Washington, DC.
- Hofer, S. M.**, Piccinin, A. M., Muniz, G., Clouston, S., Mroczek, D., Kaye, J., & Kuh, D. (2014, November). *Bridging Information Across Research Enterprises: Novel Applications of Integrative Data Analysis in Gerontology*. Presented at the 67th Annual Scientific Meeting of the Gerontological Society of America, Washington, DC.
- Hofer, S. M.**, Rast, P., Muniz-Terrera, G., Kelly, A., & Piccinin A. M. (2014, November). *On the Robustness of Results from Longitudinal Observational Studies: A Within-Study Replication Experiment to Examine the Consistency of Results Associated with Increases in Number of Occasions and Study Duration*. Presented at the 67th Annual Scientific Meeting of the Gerontological Society of America, Washington, DC.
- Kelly, A., Calamia, M., Muniz-Terrera, G., Piccinin, A. M., & **Hofer, S. M.** (2014, November). *Multi-study comparison of the independent and interactive cognitive impacts of hypertension and diabetes mellitus*. Paper presented at the 67th Annual Scientific Meeting of the Gerontological Society of America, Washington, DC.

- Mroczek, D., Kranz, Graham, E., Turiano, N. A., Spiro A., Estabrook, R., Schalet B., Piccinin, A. M., & **Hofer S. M.** (2014, November). *Multi-study Analysis of Health Behaviors as Mediators of the Personality-mortality Association*. Presented at the 67th Annual Scientific Meeting of the Gerontological Society of America, Washington, DC.
- Muniz-Terrera, G., **Hofer, S. M.**, & Piccinin, A. M. (2014, November). *Missing Data Due to Death: A Discussion of Limitations, Challenges and Advantages of Existing Approaches*. Presented at the 67th Annual Scientific Meeting of the Gerontological Society of America, Washington, DC.
- Piccinin, A. M., Muniz-Terrera, G., & **Hofer, S. M.** (2014, November). *Demythifying the Use of Age as the "Natural" Metric to Model Change in Aging Studies*. Presented at the 67th Annual Scientific Meeting of the Gerontological Society of America, Washington, DC.
- Rast, P., Rush, J., Piccinin, A. M., & **Hofer S. M.** (2014, November). *The Identification of Regions of Significance in the Effect of Multimorbidity on Depressive Symptoms using Longitudinal Data: An Application of the Johnson-Neyman Technique*. Presented at the 67th Annual Scientific Meeting of the Gerontological Society of America, Washington, DC.
- Robitaille, A., Muniz-Terrera, G., Piccinin, A. M., & **Hofer, S. M.** (2014, November). *Analysis of Change in the Presence of Time-Varying Covariates*. Presented at the 67th Annual Scientific Meeting of the Gerontological Society of America, Washington, DC.
- Hofer, S. M.**, Piccinin, A. M., & Muniz, G. (2014, October). *Initiative for Measurement and Analysis Protocols (iMAP): Harmonization and integrative analysis of longitudinal studies*. Paper presented at the annual meeting of the Society of Multivariate Experimental Psychology, Nashville, TN.
- Rast, P., & **Hofer S. M.** (2014, September). *Design Considerations for Optimizing Power to Detect Individual Differences in Change*. Paper presented at the Society for Research in Child Development Special Topic Meeting: Developmental Methodology, San Diego, CA.
- Rush, J., Rast, P., & **Hofer, S. M.** (2014, September). *The Moderating Effect of Cognitive Interference on Stress Reactivity: An Application of the Johnson-Neyman Technique to Probe Within-Person Interactions*. Poster presented at the Society for Research in Child Development Special Topic Meeting: Developmental Methodology, San Diego, CA.
- Hofer, S. M.** (2014, September). *Integrative Data Analysis of Longitudinal Studies: Recommended Approaches for Coordinated Analysis and Reproducible Multiple-Study Research*. Workshop presented at the Society for Research in Child Development, San Diego, CA.
- Hofer, S. M.** (2014, August). *Methodological challenges in the epidemiology of aging from a reproducible research perspective*. Invited Paper symposium presented at the 35th Annual Conference of the International Society for Clinical Biostatistics, Vienna, Austria.
- Hofer, S. M.** (2014, May). Discussant. In V. Thorvaldsson (Chair), *Predictors of functioning on old age: Reports from Nordic longitudinal studies*. Paper symposium presented at the 22nd Nordic Congress of Gerontology, Gothenburg, Sweden.
- Hofer, S. M.**, Piccinin, A. M., & Muniz-Terrera, G. (2014, May). *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.** (2014, May). *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.** (2014, May). *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.** (2014, May). *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. (2014, February). *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.
- Hofer, S. M.** (2013, November). *Do repeated exposures confound the estimation of individual change?* (Discussant) In A. Gross (Chair), *Novel research designs and innovative methods for analysis of retest effects in cognitive aging*. Paper symposium presented at the 66th annual scientific meeting of the Gerontological Society of America, New Orleans, LA.
- Hofer, S. M.** (November, 2013). *Improving long-term longitudinal designs: Realizing semi-continuous follow-up of a population*. (Discussant). 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.** (2013, November). *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.
- Muniz-Terrera, G., Piccinin, A. M., & **Hofer, S. M.** (2013, November). *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.**, (2013, November). *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.
- Robitaille, A., Piccinin, A. M., Muniz, G., Hoffman, L., Johansson, B., Deeg, D. J., Aartsen, M.J., Comijs, H. C., & **Hofer, S. M.**, (2013, November). *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.

- Hofer, S. M.** (2013, October). *On the robustness of results from longitudinal observational studies: Integrative data analysis and designs for optimizing detection of within-person change*. Paper presented at the annual meeting of the Society of Multivariate Experimental Psychology, St. Pete Beach, FL.
- Rush, J., Rast, P., & **Hofer, S. M.** (2013, October). *Power to detect within- and between-person effects: A comparison of multilevel SEM and unit-weighted scale scores*. Paper presented at the annual meeting of the Society of Multivariate Experimental Psychology, St. Pete Beach, FL.
- Shafonsky, E., **Hofer, S. M.**, Hayashi, A., Votova, K., Hall, C., Piccinin, A. M., Weber, J., & Kelly, A. (2013, September). *Continuous prospective assessment of health and well-being in aging Canadians using novel electronic portal methodologies*. Paper presented at UBC Family Medicine Research Conference, Vancouver, BC.
- Hofer, S. M.** (2013, August). *Integrative data analysis of longitudinal studies*. Symposium conducted at the annual Joint Statistical Meeting, Montreal, QC.
- Hofer, S. M.**, & Rast, P. (2012, October). *Substantial power to detect variance and covariance among rates of change: Results based on actual longitudinal studies and related simulations*. Paper presented at the annual meeting of the Society of Multivariate Experimental Psychology, Vancouver, BC.
- 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.** (2012, October). *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.** (2012, October). *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.
- Clouston, S., Kuh, D., Richards, M., & **Hofer, S. M.** (2012, August). *The implications of educational benefits and propensity for educational attainment in health research*. Paper presented at the 2012 Annual Meeting of the American Sociological Association, Denver.
- Robitaille, A., Muniz, G., Piccinin, A. M., Johansson, B., & **Hofer, S. M.** (2012, February). *Multivariate longitudinal modeling of cognitive change: Relationship between processing speed and visuospatial ability*. Poster session submitted to the 2012 SRCD Themed Meeting: Developmental Methodology. Tampa, Florida.
- Clouston, S., Richards, M., Kuh, D., & **Hofer, S. M.** (2011, November). *Selection and causation: The Educational benefit to cognition in later life*. In S. M. Hofer & D. Kuh (Chairs), *The life course determinants of physical, cognitive, and emotional functioning*. Symposium conducted at the 64th Annual Scientific Meeting of the Gerontological Society of America, Boston, MA.

- Muniz, G., Piccinin, A. M., Johansson, B. Matthews, F. & **Hofer, S. M.** (2011, November). *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.
- Robitaille, A., Muniz, G., Piccinin, A. M., **Hofer, S. M.** (2011, November). *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.
- Sparks, C., Piccinin, A. M., Johansson, B., & **Hofer, S. M.** (2011, November). *The impact of health on change in cognitive functioning*. In S. M. Hofer & D. Kuh (Chairs), *The life course determinants of physical, cognitive, and emotional functioning*. Symposium conducted at the 64th Annual Scientific Meeting of the Gerontological Society of America, Boston, MA.
- Hofer, S. M.**, & Clouston, S. (2011, October). *Educational benefits in adult cognition: International evidence from three birth cohort studies*. Paper presented at the annual meeting of the Society of Multivariate Experimental Psychology, Norman, OK.
- Robitaille, A., Muniz, G., Piccinin, A. M., **Hofer, S. M.** (2011, October). *Multivariate longitudinal modeling of cognitive change: Relationship between processing speed and other cognitive outcomes*. 40th Annual Scientific and Educational Meeting of the CAG & 4th Pan American Congress of the IAGG, Ottawa, ON.
- Clouston, S., Kuh, D., Richards, M., Deary, I. J., Cooper, R., Hardy, R., & **Hofer, S. M.** (2011, August). *Inequalities in life course cognition: Class reproduction, cognitive selection, and educational advantage in HALCYON cohorts*. Paper presented at the 2011 Annual Meeting of the American Sociological Association, Las Vegas.
- Hofer, S. M.**, Bontempo, D. E., Preacher, K., Boker, S., & Neale, M. (2011, August). *Evaluating factorial invariance across continuous sampling dimensions in a single-group analysis*. Paper symposium conducted at the annual meeting of the American Psychological Association, Washington, DC.
- Wray, L., Alwin, D. F., **Hofer, S. M.**, Zeisser, K. L., & Chu, C-J. (2011, April). *The role of diabetes in cognitive decline in middle-aged and older Americans*. Paper presented at the annual meeting of the Society of Behavioral Medicine, Washington, DC.
- Wray, L., Alwin, D. F., **Hofer, S. M.**, Zeisser, K. L., & Chu, C-J. (2010, November). *Diabetes and cognitive change in midlife and older adulthood*. Poster presented at the annual meeting of the Gerontological Society of America, New Orleans.
- Hofer, S. M.**, Sparks, C. A., & MacDonald, S. W. S. (2010, October). *Too stressed to think? An undergraduate course on multivariate design, data collection and analysis*. Paper presented at the annual meeting of the Society of Multivariate Experimental Psychology, Atlanta.
- Wray, L., Alwin, D. F., **Hofer, S. M.**, Zeisser, K. L., & Chu, C-J. (2010, August). *Diabetes and cognition in midlife and older adulthood*. Paper presented at the annual meeting of the American Sociological Association, Atlanta.
- Hofer, S. M.** (2010, May). *Research synthesis of longitudinal studies on aging* (Discussant). In V. Thorvaldsson & L. Hassing (Chairs), *Determinants of functional outcomes in old age: Reports from Nordic longitudinal studies*. Paper symposium conducted at the annual meeting of the Nordic Congress of Gerontology, Reykjavik, Iceland.

- 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.
- 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.
- 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.
- 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.
- 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, ON.
- Gray, K.M., Tonge, B., **Hofer, S. M.**, 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.
- Ross, L. A., Anstey, K., **Hofer, S. M.**, & Butterworth, P. (2008, December). *Harmonizing data across nine studies: An example of depression from the DYNOPTA study*. Paper presented at the Australian Society for Psychiatric Research, Newcastle, Australia.
- Hoffman, L., & **Hofer, S. M.** (2008, November). *Distinguishing the effects of age, cohort, and retest*. Poster presented at the annual Gerontological Society of America Conference, Baltimore, MD.

- Hoffman, L., **Hofer, S. M.**, & Johansson, B. (2008, November). *Individual differences in cognitive decline in persons with and without dementia*. Poster presented at the annual Gerontological Society of America Conference, Baltimore, MD.
- 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, MD.
- Newsom, J. T., **Hofer, S. M.**, & Luhr, G.A. (2008, November). *The importance of longitudinal measurement invariance in aging research*. Paper presented at the annual meeting of the Gerontological Association of America, Baltimore, MD.
- Hofer, S. M.**, Mogle, J., Sliwinski, M. J., & Piccinin, A. M. (2008, September). *An investigation of the feasibility of intensive measurement designs using internet-base measures of cognition in older adults*. Paper presented at the annual meeting of the Society of Multivariate Experimental Psychology, Montreal, QC.
- 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, MA.
- 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, MA.
- 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, Germany.
- Hofer, S. M.**, Sliwinski, M. J., & Hoffman, L. (2007, October). *Applying a double negative-exponential model to separate short-term practice gains from long-term cognitive decline*. Society for Multivariate Experimental Research, Chapel Hill, NC.
- Hofer, S. M.** (2007, November). *Approaches for the early identification of abnormal within-person change*. Paper symposium convened at the annual Gerontological Society of America Conference, San Francisco, CA.
- Hofer, S. M.** (2007, February). *Identifying processes of within-person change: Design and analysis issues*. In D. Howieson (Chair), Approaches to Defining when Dementia Begins. Paper symposium conducted at the annual International Neurological Society, Portland, OR.
- 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.

- 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.** (2006, November). *Conditional inference to populations defined by age and survival: treating mortality-selection as a distinct population process*. In N. Ram, D. Gerstorf, & J. R. Nesselroade (Chairs), Innovative Methods for Describing Developmental Change. Paper symposium conducted at the annual Gerontological Society of America Conference, Dallas, TX.
- Sliwinski, M. J., **Hofer, S. M.**, & Hoffman, L. (2006, November). *Applying a double negative-exponential model to separate short-term practice gains from long-term cognitive decline*. In N. Ram, D. Gerstorf, & J. R. Nesselroade (Chairs), Innovative Methods for Describing Developmental Change. Paper symposium conducted at the annual Gerontological Society of America Conference, Dallas, TX.
- 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, 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.** (2006, July). *Correlated and Coupled Within-Person Change in Psychopathology*. 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.
- 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.
- Kliegel, M., Zeintl, M., & **Hofer, S. M.** (2006, July). *The role of working memory in the realization of delayed intentions across old age*. Paper presented at the European Working Memory Symposium, Genoa, Italy.
- Kolanowski, A., Hoffman, L., & **Hofer, S. M.** (2006, April). *Concordance of self report and informant assessment of emotional well-being in nursing home residents with dementia*. Paper presented at the 18th Annual Scientific Sessions of the Eastern Nursing Research Society, Cherry Hill, NJ.
- 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.**, & Zimprich, D. (2006, April). *Between-person differentiation and de-differentiation as evidence for correlated longitudinal change*. Paper presented at the Cognitive Aging Conference, Atlanta, GA.

- Kliegel, M., Zeintl, M., & **Hofer, S. M.** (2006, April). *The role of processing resources in prospective and retrospective memory within old age*. Paper presented at the Cognitive Aging Conference, Atlanta, GA.
- Thorvaldsson, V., **Hofer, S. M.**, Berg, S. & Johansson, B. (2006, April). Estimating the effects of repeated test exposure by a design-based sampling approach. Paper presented at the Cognitive Aging Conference, Atlanta, GA.
- Sliwinski, M. J., Stawski, R., & **Hofer, S. M.** (2006, April). Decomposing aging and practice effects in cognitive performance. Paper presented at the Cognitive Aging Conference, Atlanta, GA.
- Zimprich, D., & **Hofer, S. M.** (2006, April). *Effects of mean trends on cross-sectional covariances: an extension based on the polynomial longitudinal model*. 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.
- 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.** (2005, August). *Multivariate analysis of linear change*. In S. M. Hofer & E. Zelinski (Chairs) Invited Symposium on Alternative Approaches for Multivariate Analysis of Change at the annual American Psychological Association Conference, Washington, DC.
- Hofer, S. M.**, Sliwinski, M. J., & Smyth, J. (2005, August). *Covariability among stress, affect, and cognition: Timing is everything*. In A. Spiro and P. Vitaliano (Chairs) Invited Symposium on Examining Interrelations Among Cognition, Personality, and Health in Aging at the annual American Psychological Association Conference, Washington, DC.
- Zeintl, M., Kliegel, M., Zimprich, D., Martin, M., & **Hofer, S. M.** (2005, July). *The role of processing resources in prospective and retrospective memory within old age*. Paper presented at the second International Conference on Prospective Memory, Zurich, Switzerland.
- Hofer, S. M.** (2004, November). *Organizer, Symposium on Cognition, Health, and Aging: Evidence from Longitudinal Studies on Aging*. Symposium convened at the annual Gerontological Society of America Meeting, Washington, DC.
- 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.
- Shanahan, M. J., & **Hofer, S. M.** (2004, August). *Social context in gene-environment interactions: Retrospect and prospect*. Paper presented at the American Sociological Association, San Francisco, CA.
- Whitfield, K.E., Allaire, J.C., White, K., **Hofer, S. M.**, & Guy, B.S. (2004, August). *Factor structure of fluid and crystallized abilities among African Americans*. Poster presented at the 2004 conference of the American Psychological Association in Honolulu, HI.
- 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, GA.

- Sliwinski, M. J., & **Hofer, S. M.** (2004, April). *Detecting change and modeling practice effects in a longitudinal burst design*. Paper presented at the biennial Cognitive Aging Conference, Atlanta, GA.
- Sliwinski, M. J., **Hofer, S. M.**, & Smyth, J. (2004, April). *Within-person and between-person effects of daily stress on working memory*. Paper presented at the biennial Cognitive Aging Conference, Atlanta, GA.
- 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, CA.
- 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, CA.
- Hofer, S. M.**, Harel, O., & Schafer, J. L. (2003, November). *Analysis of longitudinal data with attrition and mortality*. In P. Ghisletta and S. M. Hofer (Chairs), Modern methods for cognitive aging phenomenon. Paper symposium conducted at the annual meeting of the Gerontological Society of America Conference, Washington, DC.
- Kolanowski, A. M., Algase, D., Beck, C., **Hofer, S. M.**, The NDP Group, & Whall, A. (2003, November). *Nursing home residents' personality style of interest*. Paper presented at the annual Gerontological Society of America Meeting, San Diego, CA.
- Sliwinski, M. J., & **Hofer, S. M.** (2003, November). *Modeling intraindividual cognitive variability from a measurement-burst design*. In P. Ghisletta and S. M. Hofer (Chairs), Modern methods for cognitive aging phenomenon. Paper symposium conducted at the annual meeting of the Gerontological Society of America Conference, Washington, DC.
- Hofer, S. M.** (2003, September). *Change in cognitive capabilities in the oldest-old: The effects of proximity to death in genetically-related individuals over a six-year period*. Paper presented at the annual meeting of the Society for Multivariate Experimental Psychology, Keystone, CO.
- Allaire, J. C., **Hofer, S. M.**, Lawrence, F., Caskie, G., & Willis, S. (2003, August). *An evaluation of factorial invariance of memory and reasoning factors in a cognitive intervention trial*. Paper presented at the annual meeting of the American Psychological Association, Toronto, ON.
- Braungart, E. R., Zarit, S. H., **Hofer, S. M.**, & Femia, E. E. (2003, August). *Understanding short-term trajectories of behavioral and psychological symptoms of dementia*. Paper presented at the annual meeting of the American Psychological Association, Toronto, ON.
- Sliwinski, M. J., **Hofer, S. M.**, & Smyth, J. (2003, May). *Modeling intraindividual cognitive variability: The role of age, stress, and affect*. Paper presented at the meeting of the American Psychological Society, Atlanta, GA.
- Blair, C. & **Hofer, S. M.** (2003, April). *A twin study of early compensatory intervention: Environmental enrichment attenuates the size of within-pair similarity*. Paper presented at the annual meeting of the Society for Research on Child Development, Tampa, FL.
- Harel, O., **Hofer, S. M.**, & Schafer, J. L. (2003, March). *Analysis of longitudinal data with missing values of two qualitatively different types*. Paper presented at the annual meeting of the International Biometric Society (Eastern North American Region), Tampa, FL.

- Hofer, S. M.**, Johansson, B., Allaire, J. C., Berg, S., Pedersen, N., & McClearn, G. E. (2002, November). *Differential change within octogenarian twin pairs and effects on cross-sectional and longitudinal estimates of genetic and environmental influences*. Paper presented at the annual Gerontological Society of America Meeting, Boston, MA.
- Hofer, S. M.** (2002, October). *Estimation of correlated rates of change with incomplete data*. Paper presented at the annual meeting of the Society for Multivariate Experimental Psychology, Charlottesville, VA.
- Hofer, S. M.**, Flaherty, B. P., & Sliwinski, M. J. (2002, August). *Associations due to mean trends in the analysis of cross-sectional, time-dependent data*. Paper presented at the annual meeting of the International Society for the Study of Behavioural Development, Ottawa, ON.
- Metzler, J. N., Conroy, D. E., & **Hofer, S. M.** (2002, August). *Latent variable modeling of performance failure appraisal score stability*. Paper presented at the annual meeting of the American Psychological Association, Chicago, IL
- Metzler, J. N., Conroy, D. E., Elliot, A. J., & **Hofer, S. M.** (2002, June). *Structural and latent mean stability of achievement goals*. Paper presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Baltimore, MD.
- Anstey, K., **Hofer, S. M.**, & Luszcz, M.A. (2002, April). *Sensory and cognitive change over 8 years in a population based sample of very old adults*. Paper presented at the biennial Cognitive Aging Conference, Atlanta, GA.
- Grant, M. D., Hassing, L. B., **Hofer, S. M.**, Allaire, J. C., Johansson, B., Vogler, G. P., & McClearn, G. E. (2002, April). *The association of diabetic status with specific cognitive decline in an elderly Swedish population*. Paper presented at the biennial Cognitive Aging Conference, Atlanta, GA.
- 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, GA.
- Hofer, S. M.**, Sliwinski, M. J., & Flaherty, B. P. (2002, April). *Problems of sharing age-related variance and the limitations of partialling for age*. Paper presented at the biennial Cognitive Aging Conference, Atlanta, GA.
- Mackinnon, A., Christensen, H., Korten, A., **Hofer, S. M.**, & Jorm, A. (2002, April). *A common cause for the common cause factor?* Paper presented at the biennial Cognitive Aging Conference, Atlanta, GA.
- Sliwinski, M. J., **Hofer, S. M.**, & Hall, C. B. (2002, April). *Distinguishing between-person correlations from within-person coupling: A multilevel, multivariate analysis of cognitive change*. Paper presented at the biennial Cognitive Aging Conference, Atlanta, GA.
- Leitsch, S. A. Zarit, S. H., **Hofer, S. M.**, & Berg, S. (2001, November). *Perceived control and functional health in the lives of the oldest-old*. Poster presented at the annual meeting of the Gerontological Society of America Conference, Chicago, IL.
- Hofer, S. M.**, & Stallings, M. C. (2001, November). *Age-based factorial invariance and heritability of the Eysenck Personality Questionnaire in later adulthood*. Poster presented at the annual meeting of the Gerontological Society of America Conference, Chicago, IL.
- Stallings, M. C., Heiman, N., **Hofer, S. M.**, & Hewitt, J. K. (2001, November). *Investigating the genetic and environmental structure of personality in older adulthood*. Poster presented at the annual meeting of the Gerontological Society of America Conference, Chicago, IL.

- Wilson, G. F., Zarit, S. H., Femia, E. E., **Hofer, S. M.**, & Johansson, B. (2001, November). *The oldest-old: Mastery as a mediator in the relationship between vision impairment and depression*. Poster presented at the annual meeting of the Gerontological Society of America Conference, Chicago, IL.
- Hofer, S. M.**, Johansson, B., Berg, S., Pedersen, N., & McClearn, G. E. (2001, July). *Changes in cognitive functioning in oldest-old twins: The Octo-Twin Study*. Paper presented at the International Society for the Study of Individual Differences, Edinburgh, Scotland.
- Flaherty, B. P., **Hofer, S. M.**, Sliwinski, M. J., & Piccinin, A. M. (2000, November). *Use of measurement bursts in models of change*. In S. M. Hofer (Chair), Optimal design issues for gerontological research. Paper symposium conducted at the annual meeting of the Gerontological Society of America Conference, Washington, DC.
- Hofer, S. M.**, & Flaherty, B. P. (2000, November). *Narrow age-cohort analysis of cross-sectional data*. In S. M. Hofer (Chair), Optimal design issues for gerontological research. Paper symposium conducted at the annual meeting of the Gerontological Society of America Conference, Washington, DC.
- Johansson, B., **Hofer, S. M.**, Maldonado, M. M., Berg, S., Pedersen, N. L., & McClearn, G. E. (2000, November). *Memory and cognitive functioning in oldest-old twins: Longitudinal data from the Swedish Octo-Twin Study*. Poster presented at the annual meeting of the Gerontological Society of America Conference, Washington, DC.
- Sliwinski, M. J., **Hofer, S. M.**, Hall, C., Buschke, H., & Lipton, R. (2000, November). *Explaining cognitive loss in aging adults: A new look at attrition and disease*. In S. M. Hofer (Chair), Optimal design issues for gerontological research. Paper symposium conducted at the annual meeting of the Gerontological Society of America Conference, Washington, DC.
- Stallings, M. C., Hewitt, J. K., **Hofer, S. M.**, Heath, A. C., & Eaves, L. J. (2000, June). *Joint multivariate genetic analysis of personality dimensions from the TPQ, EPQ, and KSP*. Paper presented at the annual meeting of the Behavior Genetics Association, Burlington, VT.
- Christensen, H., Korten, A. E., MacKinnon, A. J., Jorm, A. F., & **Hofer, S. M.** (2000, April). *Changes in sensory disability, reaction time, grip, and strength as determinants of changes in memory and cognition in a community sample*. Paper presented at the biennial Cognitive Aging Conference, Atlanta, GA.
- Hofer, S. M.**, Berg, S., & Era, P. (2000, April). *Evidence for independent aging effects on perceptual acuity, balance, and cognitive capabilities: The NORA study*. Poster presented at the biennial Cognitive Aging Conference, Atlanta, GA.
- Sliwinski, M. J., **Hofer, S. M.**, Buschke, H., & Lipton, R. (2000, April). *The dimensionality of cognitive decline in older adults: Results from the longitudinal Einstein Aging Studies*. Poster presented at the biennial Cognitive Aging Conference, Atlanta, GA.
- Berg, S., & **Hofer, S. M.** (1999, August). *Physical functioning and aging: Genetic and environmental sources of variation*. Paper presented at the 5th International Conference on Physical Activity and Sports for Healthy Aging, Orlando, FL.
- Hofer, S. M.**, & Johansson, B. (1999, November). *Aspects of personality in the oldest-old*. Paper presented at the annual meeting of the Gerontological Society of America, San Francisco, CA.
- Stallings, M. C., Hewitt, J. K., **Hofer, S. M.**, Heath, A., & Eaves, L. J. (1999, June). *Exploring the genetic and environmental structure of the Tridimensional Personality Questionnaire*. Paper presented at the 29th Annual Meeting of the Behavioral Genetics Association, Victoria, BC.

- Hofer, S. M., Berg, S., & Era, P.** (1998, November). *Evidence for independent aging effects on perceptual acuity, balance, and cognitive capabilities: The NORA study*. Paper presented at the annual meeting of the Gerontological Society of America, Philadelphia, PA.
- Berg, S., Era, P., & **Hofer, S. M.** (1998, August). *Independent aging effects on sensory functioning and cognitive capabilities: Results from the NORA study*. Paper presented at the First European Congress of Biogerontology, Elsinore, Denmark.
- Hofer, S. M., Berg, S., Johansson, B., & McClearn, G. E.** (1998, June). *Stability and change in cognitive functioning in late adulthood*. Paper presented at the 28th Annual Meeting of the Behavioral Genetics Association, Stockholm, Sweden.
- Hofer, S. M. & McClearn, G. E.** (1997, October). *Gender differences in heritability of alcohol use in octogenarian and nonagenarian twins*. *American Journal of Medical Genetics*, 74, 574. Paper presented at the 5th World Congress on Psychiatric Genetics, Santa Fe, NM.
- Hofer, S. M.** (1997, August). *Assessing change over time: Minimizing problems associated with missing data and attrition*. In K. W. Schaie (Chair), *Advances in Longitudinal Research Methodology*. Paper symposium conducted at the meeting of the 1997 World Congress of Gerontology, Adelaide, Australia.
- Hofer, S. M., McClearn, G. E., Berg, S., Johansson, B., & Plomin, R.** (1997, July). *Heredity and the perceptual-cognitive link: Evidence from the OCTO-Twin study*. Poster presented at the 27th Annual Meeting of the Behavior Genetics Association, Toronto, ON.
- Austin, E. J., **Hofer, S. M.**, & Deary, I. J. (1997, July). *Normal and abnormal personality: Interactions with intelligence*. In I. J. Deary (Chair), *Personality and intelligence*. Symposium conducted at the meeting of the 5th European Congress of Psychology, Dublin, Ireland.
- Vogler, G. P., Tang, W., Nelson, T. L., **Hofer, S. M.**, Grant, J. D., Tarantino, L. M., & Fernandez, J. R. (1997, March). *A multivariate model for the analysis of sib-ship covariance structure using marker information and multiple quantitative traits*. Paper presented at the meeting of the 10th Genetics Analysis Workshop, Pajaro Dunes, CA.
- Hofer, S. M., Piccinin, A. M. & Rabbitt, P. M. A.** (1996, August). *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, QC.
- Piccinin, A. M., **Hofer, S. M.** & Rabbitt, P. M. A. (1996, August). *The Manchester and Newcastle Longitudinal Studies of Cognitive Aging: Interindividual differences in intraindividual change*. 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 Behavioral Development, Quebec City, QC.
- Hofer, S. M.** (1996, July). *A Robust Five-Factor Structure of the 16PF: Evidence from Independent Rotation and Confirmatory Factorial Invariance Procedures*. Paper presented at the 8th European Conference of Personality, Ghent, Belgium.
- Hofer, S. M., Piccinin, A. M., Spiegelhalter, D. J., & Rabbitt, P. M. A.** (1996, June). *Modeling cognitive change in the Newcastle Longitudinal Study of Cognitive Aging under conditions of nonrandom attrition*. Paper presented at the annual meeting of the Psychometric Society, Banff, AB.

- Hofer, S. M.**, Piccinin, A. M., Spiegelhalter, D. J., & Rabbitt, P. M. A. (1996, April). *Correcting the effects of nonrandom attrition in the Manchester and Newcastle Longitudinal Studies of Cognitive Aging*. Poster presented at the biennial Cognitive Aging Conference, Atlanta, GA.
- Graham, J. W., **Hofer, S. M.**, & Schafer, J. L. (1995, October). *Missing data analysis in applied multivariate psychology*. Paper presented at the meeting of the Society for Multivariate Experimental Psychology, Spokane, WA.
- Hofer, S. M.**, Piccinin, A. M., & Rabbitt, P. M. A. (1995, August). *Reconciling age-related differences from age-related changes in cognitive functioning*. Paper presented at the meeting of the European Congress of Gerontology, Amsterdam.
- Hofer, S. M.** (1995, July). *Measurement invariance of broad personality factors in samples of police applicants and felons*. In S. M. Hofer (Chair), *Invariance in Measurement and in Models of Behavioral Relationships*. Paper symposium conducted at the meeting of the European Congress of Psychology, Athens, Greece.
- Piccinin, A. M., **Hofer, S. M.**, & Rabbitt, P. M. A. (1995, July). *On the changing nature of the letter-letter coding task: Combining measurement and model invariance*. In S. M. Hofer (Chair), *Invariance in Measurement and in Models of Behavioral Relationships*. Paper symposium conducted at the meeting of the European Congress of Psychology, Athens, Greece.
- Hofer, S. M.**, Osman, P., Rabbitt, P. M. A. (1995, April). *Are older people just slow or disinhibited?* Paper presented at the meeting of the Experimental Psychological Society, Cambridge, England.
- Eber, H. W., McArdle, J. J., & **Hofer, S. M.** (1995, October). *Some big (five, six, ...) models tested across several large 16PF data sets*. Paper presented at the meeting of the Society for Multivariate Experimental Psychology, Spokane, WA.
- Hofer, S. M.**, Rabbitt, P. M. A., Bent, N., & Watson, P. (1994, December). *Dedifferentiation of cognitive abilities: effects of age and level of cognitive functioning*. Paper presented at the meeting of the British Psychological Society, London, England.
- Hofer, S. M.**, Eber, H. W., & Horn, J. L. (1994, October). *Invariance of the 16PF big-five and g in large samples: Cop aspirants and felon fait accompli*. Paper presented at the meeting of the Society for Multivariate Experimental Psychology, Princeton, NJ.
- Hofer, S. M.** & Graham, J. W. (1994, April). *Optimal research designs with planned missing data: Use of maximum likelihood methods for parameter estimation*. Poster presented at the biennial Cognitive Aging Conference, Atlanta, GA.
- Stallings, M. C. & **Hofer, S. M.** (1992, November). *An empirical demonstration of different methods for handling missing data in survey research*. Poster presented at the meeting of the Gerontological Society of America, Washington, DC.
- Trickett, P. K., Stallings, M. C., **Hofer, S. M.**, & Horn, J. L. (1992, November). *Rebelliousness in late adolescence and parent-child relationships across the life span*. Poster presented at the meeting of the Gerontological Society of America, Washington, DC.
- Graham, J. W., **Hofer, S. M.** (1992, October). *Testing interactions with missing data: An application of the EM algorithm*. Paper presented at the meeting of the Society for Multivariate Experimental Psychology, Cape Cod, MA.
- Trickett, P. K., **Hofer, S. M.**, Stallings, M. C., & Horn, J. L. (1992, July). *Rejection of the parental generation by adolescents and young adults: Precursors, correlates and consequences*. Poster presented at the 25th International Congress of Psychology Conference, Brussels, Belgium.
- Hofer, S. M.**, Graham, J. W., & MacKinnon, D. P. (1992, June). *Use of the EM algorithm with data obtained with missing value patterns*. Poster presented at the meeting of the American Psychological Society, San Diego, CA.

Hofer, S. M. (1991, May). *Structural analysis of the Mattis Dementia Rating Scale*. Poster presented at the meeting of the Western Psychological Association, San Francisco, CA.

Invited Presentations and Colloquia

- Hofer, S. M.**, Rush, J., & Brewster, P. (2019, October). *MyCogHealth Mobile Assessment Platform: Improving Detection of Progressive Cognitive Change and Dementia Risk*. Invited presentation at Canadian Consortium on Neurodegeneration in Aging, Quebec City, QC.
- Hofer, S. M.** (2019, March). *Precision Cognitive Health: From Observation to Action*. Panel presentation at Ideafest 2019, University of Victoria, Victoria, BC.
- Hofer, S. M.** (2018, July). *Integrative Data Analysis of Longitudinal Studies on Aging and Dementia: Replicating International Research through Coordinated Analysis*. Invited presentation at the COSMIC consortium meeting, Alzheimer's Association International Conference, Chicago, IL.
- Hofer, S. M.** (2018, June). *Integrative Longitudinal Lifespan/Lifecourse Research Retrofit current ongoing aging studies (e.g., parallel analyses of cohorts across life course, pooling data from younger cohort with aging cohorts; linking estimates of empirical relationships in theoretical pathways of influence)*. Invited presentation at the Expert Meeting on Using Longitudinal Studies of Younger cohorts for Aging Research, National Academy of Sciences, Committee on Population, Division of Behavioral and Social Sciences and Education, Keck Center of the National Academies of Sciences, Engineering, and Medicine, Washington DC.
- Hofer, S. M.** (2018, June). *Integrative approaches and opportunities for examining life course, biopsychosocial models of multi-morbidity*. Invited address at the Academy of Behavioral Medicine Research, Hilton Head Island, SC.
- Hofer, S. M.** (2017, July). *From Observation to Action: Capturing Process in Developmental, Aging, and Health Research*. Invited presentation at the G. E. McClearn Memorial Symposium, Pennsylvania State University, PA.
- Hofer, S. M.** (2016, October). *From Observation to Action: The Importance of Longitudinal Cohorts and Within-Person Assessment in the Age of Precision "Behavioral" Medicine*. Invited presentation at University of Gothenburg related to receipt of Honorary Doctorate, Gothenburg, Sweden.
- Hofer, S. M.** (2016, October). *From Observation to Action: Within-Person Assessment in the Age of Precision Medicine*. Invited presentation at the Lafayette Health Awareness Forum, University of Victoria, Victoria, BC.
- Hofer, S. M.** (2016, September). *Opportunities for Data Collection and Analysis of Dementia Trends (and Onset and Rate of Cognitive Change) and Education in Ongoing Studies*. Invited presentation at the National Academy of Sciences CPOP Effect of Education on Recent Dementia Trends Meeting, Bethesda, MD.
- Hofer, S. M.** (2016, August). *Integrative Longitudinal Research and Within-Person Assessment in the Age of Precision Medicine*. Presidential address, Division 5: Quantitative and Qualitative Methods, American Psychological Association, Denver, CO.
- Hofer, S. M.** (2016, June). *The Role of Educational Experiences on Lifelong Health and Cognitive Aging: A brief review of recent research*. Invited address at the Academy of Behavioral Medicine Research, Whistler, BC.
- Hofer, S. M.** (2016, June). *Integrative Longitudinal Lifespan Research and Within-Person Assessment in the Age of Precision Medicine*. Invited address at the Canadian Psychological Association, Victoria, BC.

- Hofer, S. M.** (2015, February). *Patient-Reported Outcomes in Support of Patient Engagement in Research (PROSPER)*. Paper presented at Optimizing Aging & Health: Methods and Applications Colloquium Series, University of Victoria, Victoria, BC.
- Hofer, S. M.** (2015, March). *UVic Centre on Aging*. Invited presentation at Mount St. Mary Hospital, Victoria, BC.
- Hofer, S. M.** (2015, March). *Tapping Population Data: A new era in health research and care*. Panel presentation at IdeaFest 2015, University of Victoria, Victoria, BC.
- Hofer, S. M. & McLennan, M.** (2015, May). *Partnering to Promote Optimal Aging and Health of Seniors: Building on the Successes of COACH-VIPAC*, 5 Days in May Research Days, Island Health, Victoria, BC.
- Hofer, S. M.** (2015, November). *Integrative Longitudinal Lifespan Research and Within-Person Assessment in the Age of Precision Medicine*. The 13th Annual Ellen M. Gee Memorial Lecture Series in Gerontology, Simon Fraser University, Burnaby, BC.
- Hofer, S. M.** (2015, November). *Integrative Longitudinal Lifespan Research and Within-Person Assessment in the Age of Precision Medicine*. TVN Mindmerge Victoria (Canadian Frailty Network), Victoria, BC.
- Hofer, S. M.** (2014, September). *Stress and Cognition in Old Age*. Gerontologie Geriatrie Kongress, Halle, Germany.
- Hofer, S. M.** (2014, September). *Integrative Data Analysis of Longitudinal Studies: Recommended Approaches for Coordinated Analysis and Reproducible Multiple-Study Research*. Society for Research in Child Development, San Diego, CA.
- Hofer, S. M.** (2014, August). *Methodological challenges in the epidemiology of aging from a reproducible research perspective*. Paper presented at the 35th Annual Conference of the International Society for Clinical Biostatistics, Vienna, Austria.
- Hofer, S. M.** (2014, May). *Discussant*. Paper presented at Lifespan Military Conference, Airlie Conference Center, Warrenton, VA.
- Hofer, S. M.** (2014, May). *Healthy aging begins at birth: Life course epidemiology and the IALSA/HALCyon research network*. Paper presented at Five Days in May: Day 1 Research across the lifespan, Island Health, Victoria, BC.
- Hofer, S. M.** (2014, April). *Intensive measurement designs: Optimizing detection of within-person changes in cognition and health*. Paper presented at The Center for Developmental Science, University of North Carolina, Chapel Hill, NC.
- Hofer, S. M.** (2014, April). *Intensive measurement designs: Optimizing detection of within-person changes in cognition and health*. Paper presented at The Center for Developmental Science, University of North Carolina, Chapel Hill, NC.
- Hofer, S. M.** (2014, April). *Integrative data analysis of longitudinal observational studies: Recommended approaches for coordinated analysis and reproducible multiple-study research*. Paper presented at Faculty of Medicine, University of Sherbrooke.
- Hofer, S. M., Kelly, A., Piccinin, A. M., Quade, T., Rast, P., & Rush, J.** (2014, March). *Improving research and care: How do we best measure health and change in health?* Paper presented at the Yakimovich Wellness Center, Aberdeen Hospital, Victoria, BC.
- Shafonsky, E., & Hofer, S. M.** (2013, June). *Some days are better than others: Monitoring daily variability in patient-reported outcomes and engaging patients in their health care*. Presentation at Senior Grand Rounds, Vancouver Island Health Authority, Victoria, BC.
- Hofer, S. M.** (2013, May). *Framing the challenge of practice/retest effects in cognitive aging research*. Paper presented at the Methods for Longitudinal Dementia Research (MELODEM) meeting, Paris, France.
- Hofer, S. M.** (2013, May). *Time scales in studies of cognitive aging*. Paper presented at the Methods for Longitudinal Dementia Research (MELODEM) meeting, Paris, France.

- Hofer, S. M.** (2013, April). *Advancing lifespan research: Embedding intensive measurement designs in longitudinal studies of aging and health*. Invited paper presented at the Beijing Normal University, Beijing, China.
- Hofer, S. M.** (2013, April). *Effects of physical, cognitive, and social activity on cognitive functioning in later life*. Keynote paper presented at the Sino-US Forum on Psychology of Aging, Beijing, China.
- Hofer, S. M.** (2013, March). *Frequent within-person assessments for the prospective and early detection of change in cognitive functioning: Advancing clinical research on Alzheimer's Disease and dementia*. Invited paper presented at the Big Data PechaKucha, University of Victoria, Victoria, BC.
- Hofer, S. M.** (2012, November). *Advancing research on life course epidemiology: Embedding intensive measurement designs in longitudinal research*. Paper presented at the Department of Epidemiology, Cardiff University, UK.
- Hofer, S. M.** (2012, October). *Advancing research on lifespan development and aging: Embedding intensive measurement designs in longitudinal research*. Paper presented at the Department of Psychology, University of Ulm, Germany.
- Hofer, S. M.** (2012, October). *Advancing research on lifespan development and aging: Embedding intensive measurement designs in longitudinal research*. Paper presented at the Department of Psychology, Bremen University, Germany.
- Hofer, S. M.** (2012, September). *Advancing research on development and aging: Embedding intensive measurement designs in longitudinal research*. Paper presented at the Department of Psychology, Concordia University, Montreal, QC.
- Hofer, S. M.** (2012, September). *Burst Designs*. Workshop presented at the Department of Psychology, Concordia University, Montreal, QC.
- Hofer, S. M.** (2012, September). *Advancing life course epidemiology in ageing research: The potential of measurement intensive designs*. Keynote address presented at the pre-meeting of the Society for Social Medicine conference, A life course approach to healthy ageing. London, UK.
- Hofer, S. M.** (2012, January). *Integrative Analysis of Longitudinal Studies of Aging (IALSA): Challenges and requirements for quantitative harmonization*. Keynote paper presented at the Cohort & Longitudinal Studies Enhancement Resources (CLOSER) Knowledge Exchange Workshop on "Challenges for data harmonization, The Wellcome Trust, London, UK.
- Hofer, S. M.** (2012, January). *Coordinated analysis of cross-sectional and longitudinal associations between physical, cognitive, and social activity and cognitive functioning in later life*. Keynote paper presented at the Cohort & Longitudinal Studies Enhancement Resources symposium on "Functioning well in later life: What is the evidence from longitudinal studies, University College London, UK.
- 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, UK.
- 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, UK.
- Hofer, S. M.** (2011, May). *Coordination of measurement and analysis protocol: Integrative Analysis of Longitudinal Studies of Aging (IALSA)*. Paper presented at the APS workshop on Integrative Data Analysis: Conceptual Issues and Applied Examples, Association for Psychological Science, Washington, DC.

- Hofer, S. M.** (2011, May). *Cognitive aging from an integrative lifespan perspective*. Paper presented at the Austrian Academy of Sciences Symposium on Ageing Societies – Mature People, Vienna, Austria.
- Hofer, S. M., & Piccinin, A. M.** (2011, May). *Integrative data analysis (IDA): Longitudinal studies of aging*. Paper presented at NIA-sponsored Meeting on Harmonization of Methods and Measurement in Longitudinal Studies, University of Southern California.
- Hofer, S. M.** (2011, March). *Integrative data analysis (IDA): Longitudinal studies*. Paper presented at the Canadian Data Harmonization Initiative Roundtable, Ottawa, ON.
- Muniz, G. M., Robitaille, A., Piccinin, A. M., **Hofer, S. M.** (2011, February). *Latent growth models: Applications to test theories of cognitive decline*. Paper presented to the Medical Section of the Royal Statistical Society, London, UK.
- Sparks, C. & **Hofer, S. M.** (2011, February). *The impact of health on aging-related cognitive change*. Paper presented Social Dimensions of Health colloquium series, University of Victoria, Victoria, BC.
- Hofer, S. M., & Piccinin, A. M.** (2011, January). *A coordinated analysis approach for the replication of longitudinal research*. Paper presented at EMGO Institute for Health and Care Research, Vrije University, Amsterdam, The Netherlands.
- 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, QC.
- Hofer, S.M.** (2010, August). *Joint modeling of longitudinal multivariate outcomes*. Paper presented at the Advanced Psychometric Conference, Friday Harbor, WA.
- Piccinin, A.M. & **Hofer, S.M.** (2010, August). *A coordinated analysis approach for the replication of longitudinal research*. Paper presented at the Advanced Psychometric Conference, Friday Harbor, WA.
- Hofer, S. M.** (2010, April). *Integrative Analysis of Longitudinal Studies of Aging (IALSA) Research Network*. Paper presented at the annual meeting of the Public Population Project in Genomics (P3G), Montreal.
- Hofer, S. M.** (2009, November). *Healthy and successful aging: What do we know from longitudinal studies?* Paper presented at the International Day of the Older Person Lecture Series, Centre on Aging, University of Victoria, Victoria, BC.
- Hofer, S. M., Piccinin, A. M., Sliwinski, M. J., & Mogle, J.** (2009, February). *Evaluation of a web-based cognitive assessment battery in a community setting*. Paper presented at the Oregon Roybal Center on Aging and Technology, OHSU, Portland, OR.
- 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.
- Hofer, S. M.** (2008, July). *Designs for studies on aging*. Paper presented at the New Horizons Expert Workshop: Quality of Life in Old Age, sponsored by the Jacobs Foundation, July 22, Berlin, Germany.
- 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, CA.
- 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, CA.

- 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, OR.
- Hofer, S. M.** (2008, April). *Integrative Analysis of Longitudinal Studies on Aging (IALSA): A collaborative research network for cross-validating and extending results from longitudinal data*. Paper presented at the Department of Psychology, University of Victoria, Victoria, BC.
- Hofer, S. M.** (2008, April). *Recent developments in understanding cognitive aging*. Paper presented at the Department of Psychology and Center on Aging, University of Victoria, Victoria, BC.
- 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, Corvallis, OR.
- Hofer, S. M.** (2007, March). *Identifying when change begins: Change-point analysis, data requirements, and related issues*. Paper presented in the "At the Core" meeting of the Methodology Core, College of Health and Human Sciences, Oregon State University, Corvallis, OR.
- Hofer, S. M.** (2006, July). *Multivariate Analysis of Change: Concepts, Analysis, and Applications*. Paper presented at the Australian Government Department of Families, Community Services and Indigenous Affairs (FaCSIA), Canberra, Australia.
- Hofer, S. M.** (2006, February). *Understanding lifelong adaptation and prevention: Integrating longitudinal evidence*. Paper presented at a research meeting of the Volkswagen Foundation, Hannover, Germany.
- Hofer, S. M.** (2005, October). *Methodological considerations and approaches for examining aging-related changes*. Paper presented at the Case Western Reserve Geriatric Education Center, Case Western Reserve University and Metro-Health Medical Center.
- Hofer, S. M.** (2005, October). *Strategies for understanding age and aging*. Paper presented at the Program for Aging-Cancer Research Symposium on "Advancing Psychosocial and Health Services Research on Aging and Cancer", Case Comprehensive Cancer Center, Case Western Reserve University, Cleveland, OH.
- 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, PA.
- 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, Zürich, Switzerland.
- 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, Zürich, Switzerland.
- Hofer, S. M.** (2004, April). *Variations in longitudinal designs and implications for developmental and aging theories*. Overview to Plenary Session on Longitudinal Studies, Cognitive Aging Conference, Atlanta, GA.
- Hofer, S. M.** (2004, February). *Evidence from longitudinal studies and implications for developmental theories*. Paper presented at the Gerontology Center Colloquium Series, The Pennsylvania State University, University Park, PA.

- Hofer, S. M.** (2003, September). *Challenges and approaches for the study of individual-level change*. Paper presented at the Dynamic Processes in Aging conference, Canberra, Australia.
- Hofer, S. M.** (2003, February). *Longitudinal cognitive aging research: Overview and future directions*. Invited paper given at the Department of Psychology, Bucknell University, Lewisburg, PA.
- Hofer, S. M. & Sliwinski, M. J.** (2002, February). *Optimal measurement designs for longitudinal aging research*. Invited paper given at the “Workshop on methods examining variability in lifespan aging research”, Department of Adult Development, German Centre on Ageing (DZFA), University of Heidelberg, Germany.
- Sliwinski, M. J., & **Hofer, S. M.** (2002, February). *Using measurement bursts to improve measurement of cognitive change*. Invited paper given at the “Workshop on methods examining variability in lifespan aging research”, Department of Adult Development, German Centre on Ageing (DZFA), University of Heidelberg, Germany.
- Hofer, S. M.** (2002, November). *Evaluating genetic and environment interactions: An individual developmental perspective*. Invited paper given at the “Genes and Human Behavior: Conceptual Issues” conference, Dalhousie University, Halifax, NS.
- Hofer, S. M.** (2002, September). *Optimal designs for cognitive aging research*. Invited paper given at the “Determinants of Cognitive Ageing Workshop”, National Consortium on Ageing Research, University of Warwick, UK.
- Hofer, S. M.** (2002, September). *A consideration of longitudinal designs for cognitive aging research*. Invited paper given at the University of Gothenberg, Sweden.
- Hofer, S. M.** (2001, December). *Change in cognitive functioning associated with apoE genotype in a community sample of older adults*. Invited presentation given at the Department of Mental Hygiene, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD.
- Hofer, S. M.** (2001, September). *Longitudinal studies of aging: Past, present, and future*. Paper presented at the Gerontology Center Colloquium Series, The Pennsylvania State University, University Park, PA.
- Hofer, S. M.** (2001, April). *Change in cognitive functioning associated with apoE genotype in a community sample of older adults*. Paper presented at the Gerontology Center Colloquium Series, The Pennsylvania State University, University Park, PA.
- Hofer, S. M.** (2000, December). *Mechanisms underlying dedifferentiation in old age*. Paper presented at the Department of Psychology, Syracuse University, Syracuse, NY.
- Shanahan, M. J., **Hofer, S. M.**, & Miech, R. A. (2000, October 9-10). *Agency, socioeconomic status, and adulthood in life course perspective*. Paper presented at the Pennsylvania State Gerontology Center Conference on “Societal Impacts on Personal Control in the Elderly”, University Park, PA.
- Hofer, S. M.** (2000, September). *Cross-sectional analysis of time-dependent variables: Problems of mean-induced association in age-heterogeneous samples and an alternative method based on sequential age-homogeneous samples*. Paper presented at the Department of Psychology, University of Virginia, Charlottesville, VA.
- Hofer, S. M.** (1999, June). *Predicting cognitive change in adulthood*. Paper presented at the Centre for Mental Health Research, Australian National University, Canberra, Australia.
- Hofer, S. M.** (1998, March). *Behavioral and biological markers of aging*. Paper presented at the Department of Psychology, Wesleyan University, Middletown, CT.
- Hofer, S. M.** (1997, August). *Best methods for treatment of missing data in longitudinal research*. Paper presented at the Department of Psychology, University of Sydney, Sydney, Australia.

- Hofer, S. M.** (1996, June). *Models of cognitive change in later adulthood*. Paper presented at the Department of Psychology, University of Calgary, AB.
- Hofer, S. M.** & Spiegelhalter, D. J. (1996, March). *Application of "BUGS" to the problem of nonrandom attrition in the Manchester and Newcastle Longitudinal Studies of Cognitive Aging*. Paper presented at the Economic and Social Research Council (ESRC) Analysis of Large and Complex Datasets Conference, Southampton, UK.
- 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, UK.
- 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, UK.

Postdoctoral Supervision

- 2020-2023 Sascha Zuber (Ph.D., 2018, University of Geneva). Postdoctoral Fellowship funded by Swiss National Science Foundation.
- 2020-2022 Patrick O'Keefe (Ph.D., 2020, Vanderbilt University, Quantitative Psychology). Postdoctoral position funded by NIH/NIA 1R01AG067621, PI: S. M. Hofer.
- 2018-2020 Jonathan Rush (Ph.D., 2018, University of Victoria, Independent Studies). Postdoctoral position funded by NIH/NIA 1R01AG067621, PI: S. M. Hofer and NIH/NIA 1U2CAG060408, PI: M. Sliwinski.
- 2018-2019 Li Xing (Ph.D., 2014, University of British Columbia, Statistics). Postdoctoral position funded by NIH/NIA 1P01AG043362, PI: S. M. Hofer. Currently Assistant Professor, Dept. of Mathematics & Statistics, University of Saskatchewan.
- 2016-2017 Nazanine Noorae (Ph.D., 2014, University Medical Center Groningen). Postdoctoral position funded by NIH/NIA 1P01AG043362, PI: S. M. Hofer. Currently Senior Statistician, MSD Pharmaceuticals.
- 2015-2017 Andrey Koval (Ph.D., 2015, Vanderbilt University). Postdoctoral position funded by NIH/NIA 1P01AG043362, PI: S. M. Hofer. Currently Assistant Professor, Health Management and Informatics, University of Central Florida.
- 2010-2015 Philippe Rast (Ph.D., 2008, University of Zurich). Postdoctoral Fellowship funded by Swiss National Science Foundation and NIH Grant AG026453, PI: S. M. Hofer. Currently Associate Professor, Dept. of Psychology, University of California, Davis.
- 2010-2013 Sean Clouston (Ph.D., 2010, McGill University). Postdoctoral Fellowship funded by Canadian Institutes of Health Research. Currently Associate Professor, Stony Brook University.
- 2010-2012 Annie Robitaille (Ph.D., 2010, University of Ottawa). Postdoctoral Fellowship funded by NIH Grant AG026453, PI: S. M. Hofer. Currently Associate Professor, Dept. of Interdisciplinary Health Sciences, University of Ottawa.
- 2010-2011 Tina L. Huang (Ph.D., 2001, University of Rochester). Postdoctoral Fellowship funded by NIH Grant AG026453, PI: S. M. Hofer.
- 2010-2011 Valgeir Thorvaldsson (Ph.D., 2009, University of Gothenburg). Postdoctoral Fellowship funded by Research Council of Sweden. Currently Professor, Dept. of Psychology, University of Gothenburg.
- 2008 Graciela Muniz (Ph.D., 2007, University of Cambridge, MRC Biostatistics Unit). Postdoctoral Fellowship funded by the Wellcome Trust, UK. Currently, Senior Lecturer, University of Edinburgh.

- 2008 Yasar Kuzucu (Ph.D., 2006, University of Ankara, Turkey). Postdoctoral Fellowship funded by the Scientific and Technological Research Council of Turkey. Currently Professor, Department of Educational Sciences, Guidance and Psychological Counseling, Adnan Menderes Üniversitesi, Turkey.
- 2004-2006 Lesa Hoffman (Ph.D., 2004, University of Kansas). Currently Professor, Department of Psychological and Quantitative Foundations, University of Iowa.
- 2001-2003 Jason Allaire (Ph.D., 2001, Wayne State University). Currently Professor, Dept. of Psychology, North Carolina State University.

Advisor, Masters/Doctoral Committees

- 2020- Amanda Webber (Ph.D.), Department of Psychology, University of Victoria; Co-supervised with Mauricio Garcia-Barrera.
- 2017- Nathan Lewis (Ph.D.), Department of Psychology, University of Victoria
- 2017- Rebecca Venditelli (Ph.D.), Department of Psychology, University of Victoria
- 2015- Camille Angus (Ph.D.), Social Dimensions of Health, University of Victoria
- 2014-2020 Raquel Graham (Ph.D.), Department of Psychology, University of Victoria
- 2011-2018 Jonathan Rush (Ph.D., 2018), Department of Psychology, University of Victoria.
- 2013-2016 Amanda Kelly (MS), Department of Psychology, University of Victoria
- 2013-2016 Tina Quade (MS), Department of Psychology, University of Victoria
- 2008-2012 Catharine Sparks (MS), Department of Psychology, University of Victoria.
- 2002-2005 Claire Kamp-Dush (Ph.D., 2005, Human Development and Family Studies, PSU). Currently Associate Professor, Department of Human Development and Family Science, The Ohio State University.
- 2002-2006 Daniel E. Bontempo (Ph.D., 2006, Human Development and Family Studies, PSU). Currently Co-Director, Advanced Techniques and Technology Core, Center for Biobehavioral Neurosciences of Communication Disorders, University of Kansas.

Supervisor, Honours Students

- 2012-2013 Andrew Faunt, Department of Psychology, University of Victoria.
- 2011-2012 Amanda Kelly, Department of Psychology, University of Victoria

Supervisor, Jamie Cassels Undergraduate Research Award (JCURA) Students

- 2014-2015 David Drohan, Department of Psychology, University of Victoria.
- 2015-2016 Alex Hoffman, Department of Psychology, University of Victoria

Membership on Masters/Doctoral Degree Committees

- 2018-Present Myles Maillet, Department of Psychology, UVic
Advisor: Fred Grouzet, Ph.D.
- 2015-2019 Emily Duggan, Department of Psychology, UVic
Advisor: Mauricio Garcia-Barerra, Ph.D.
- 2015-2017 Bryce Mulligan Psychology, UVic
Advisor: Colette Smart, Ph.D.
- 2014-2017 Jennifer McConnell, Social Dimensions of Health, UVic
Co-Advisor: Patti-Jean Naylor, Ph.D.
- 2014-2017 Justin Karr Psychology, UVic
Advisor: Mauricio Garcia-Barerra, Ph.D.
- 2013-2016 Nozomi Franco-Cea, Human and Social Development, UVic
Advisor: Gordon Barnes, Ph.D.

- 2013-2015 Paul Brewster, Psychology, UVic
Advisor: Stuart MacDonald, Ph.D.
- 2013-2014 Sanaz Tavakkol, Computer Science and Engineering, UVic
Advisor: Melanie Tory, Ph.D.
- 2012-2013 Justin Karr, Psychology, UVic
Advisor: Mauricio Garcia-Barrera, Ph.D.
- 2010-2011 Anna Braslavsky, Psychology, UVic
Advisor: Stuart MacDonald, Ph.D. & Holly Tuokko, Ph.D.
- 2007-2009 Xiaoyu Bi, Human Development and Family Sciences, OSU
Advisor: Carolyn Aldwin, Ph.D.
- 2007-2009 Sungrok Kang, Human Development and Family Sciences, OSU
Advisor: Carolyn Aldwin, Ph.D.
- 2007-2009 Soyoung Lee, Human Development and Family Sciences, OSU
Advisor: Carolyn Aldwin, Ph.D.
- 2007-2009 Noriko Toyokawa, Human Development and Family Sciences, OSU
Advisor: Alexis Walker, Ph.D.
- 2005-2006 Jacob Felson, Sociology, PSU
Advisor: Duane F. Alwin, Ph.D.
- 2004-2006 Chris Morse, Speech Communication, PSU
Advisor: Walid Affifi, Ph.D.
- 2003-2007 Jon Metzler, Kinesiology, PSU
Advisor: David Conroy, Ph.D.
- 2003-2005 Amy Roth, Human Development and Family Studies, PSU
Advisor: Steve Zarit, Ph.D.
- 2003-2005 Jacob Sosnoff, Kinesiology, PSU
Advisor: Karl Newell, Ph.D.
- 2002-2005 Mildred M. Maldonado, Human Development and Family Studies, PSU
Advisor: Linda Collins, Ph.D.
- 2002-2004 Michael Grant, Biobehavioral Health, PSU
Advisor: Gerald E. McClearn, Ph.D.
- 2002-2004 Andrew Revell, Human Development and Family Studies, PSU
Advisor: Warner Schaie, Ph.D.
- 2002-2003 Ofer Harel, Statistics, PSU
Advisor: Joseph L. Schafer, Ph.D.
- 2002-2003 Tina Chen, Psychology, PSU
Advisor: James L. Farr, Ph.D.
- 2002-2003 Elizabeth A. Shirtcliff, Biobehavioral Health, PSU
Advisor: Douglas A. Granger, Ph.D.
- 2001-2006 Doreen Barringer, Speech Communication, PSU
Advisor: Jon Nussbaum, Ph.D.
- 2001-2005 Elizabeth Braungart, Human Development and Family Studies, PSU
Advisor: Stephen Zarit, Ph.D.
- 2001-2005 Jacinda Dariotis, Development and Family Studies, PSU
Advisors: Alan Booth, Ph.D.; Edward Smith, Ph.D.
- 2001-2003 Lori Francis, Development and Family Studies, PSU
Advisor: Leann Birch, Ph.D.
- 2001-2002 Kimberly Henry, Biobehavioral Health, PSU
Advisor: Judith Vicary, Ph.D.
- 2000-2001 Jane Saczynski, Human Development and Family Studies, PSU
Advisor: Sherry Willis, Ph.D.

1998-2000 Sara Leitsch, Human Development and Family Studies, PSU
 Advisor: Stephen Zarit, Ph.D.

Membership on Comprehensive and Candidacy Committees

Nathan Lewis	Psychology, UVic	2020
Rebecca Venditelli	Psychology, UVic	2020
Raquel Graham	Psychology, UVic	2019
Jennifer McConnell	Social Dimensions of Health, UVic	2014
Paul Brewster	Psychology, UVic	2013
Nozomi Franco-Cea	Human and Social Development, UVic	2013
Anna Braslavsky	Psychology, UVic	2010
Kang Sung Rok	Human Development and Family Sciences, OSU	2007
Jacob Felson	Sociology, PSU	2006
Nicole Freeman	Human Development and Family Studies, PSU	2005
Alexander Schwall	Psychology, PSU	2005
Daniel Bontempo	Human Development and Family Studies, PSU	2004
Nancy Dreschel	Biobehavioral Health, PSU	2004
Elizabeth Braungart	Human Development and Family Studies, PSU	2003
Aryn Dotterer	Human Development and Family Studies, PSU	2003
Jon Metzler	Kinesiology, PSU	2003
Chris Morse	Communication Arts and Sciences, PSU	2003
Tammy Root	Human Development and Family Studies, PSU	2003
Jacob Sosnoff	Kinesiology, PSU	2003
Tina Chen	Psychology, PSU	2002
Jacinda Dariotis	Human Development and Family Studies, PSU	2002
Michael Grant	Biobehavioral Health, PSU	2002
Kwon Hyuck-Hoon	Adult Education, PSU	2002
Claire Kamp-Dush	Human Development and Family Studies, PSU	2002
Mildred Maldonado	Human Development and Family Studies, PSU	2002
Andrew Revell	Human Development and Family Studies, PSU	2002
Amy Roth	Human Development and Family Studies, PSU	2002
Zhiqun Tang	Human Development and Family Studies, PSU	2002
Sebrina A. Wiggins	Biobehavioral Health, PSU	2002
Faika A. Zanjani	Human Development and Family Studies, PSU	2002
Jacinda Dariotis	Human Development and Family Studies, PSU	2001
Lori Francis	Human Development and Family Studies, PSU	2001
Kimberly Henry	Biobehavioral Health, PSU	2001
Beverly Hmel	Psychology, PSU	2001
Doreen Barringer	Communication Arts and Sciences, PSU	2000
Erik Porfeli	Human Development and Family Studies, PSU	2000
Peeter Tammeveski	Human Development and Family Studies, PSU	2000
Jane Saczynski	Human Development and Family Studies, PSU	1999