

KATE HAMEL, Ph.D.

Faculty Director for Research Engagement and Development
 Co-Director SF State CREATE
 Office of Research and Sponsored Programs
 Professor – Department of Kinesiology
 San Francisco State University

EDUCATION:

- 2002 Ph.D., Biomechanics and Locomotion Studies, Department of Kinesiology, The Pennsylvania State University
 1998 M.S., Biomechanics, Department of Exercise Science, University at Buffalo
 1996 B.S., Mechanical Engineering, University at Buffalo

ACADEMIC & PROFESSIONAL EXPERIENCE*Department of Kinesiology, San Francisco State University*

- 2017 – Present Professor
 2008 – 2017 Associate Professor (Tenured June 2012)
 2006 – 2008 Assistant Professor

 2006 – 2012 Visiting Assistant Professor
Department of Physical Therapy and Rehabilitation Science
University of California San Francisco

 2004 – 2017 Biomechanics Consultant
Applied Biomechanics
Alameda, CA

 2002 – 2005 Assistant Professor in Residence
Department of Physical Therapy and Rehabilitation Science
University of California San Francisco
UCSF/SFSU Graduate Program in Physical Therapy

 2002 – 2005 Joint Bioengineering PhD Program Faculty Member
University of California San Francisco and Berkeley

LEADERSHIP & ADMINISTRATIVE EXPERIENCE:

- August 2024 – Present **Faculty Director for Research Engagement and Development**
Office of Research and Sponsored Programs
San Francisco State University

Newly created position focused on building community and engagement in research, scholarship and creative activities (RSCA) across the university for both students and faculty. Provide faculty with support for both internal and external grant applications, lead hub for undergraduate research, scholarship and creative activities - SF State CREATE, and design and implement programming and events that support student and faculty research development such as the RSCA Affinity Group Catalyst Grant program, ORSP Small Grants Workshops, Undergraduate Research Week, faculty RSCA breakfasts and faculty development workshops on student research as a high impact practice and how to build a research program for new faculty. Partner with Office of Faculty Affairs and Professional Development and the Center for Equity and Excellence in Teaching and Learning (CEETL) to host University-Wide Faculty Writing Retreat. Partner with ORSP staff, college Deans and Associate Deans and University RSCA Council (currently serving as Chair) to increase communication and foster the growth of research opportunities at SF State. Serve on advisory boards for CEETL and the Digital Media Studio/MakerSpace (co-chair).

2022 – 2024

Assistant Dean for Faculty Development and Scholarship
College of Health and Social Sciences
San Francisco State University

Role on Senior Leadership Team: member of senior leadership team led by the Dean which included the Associate Dean, Assistant Deans, CBO, Head of Facilities, HR and Communications Directors. Met twice a month to discuss key issues and strategies for navigating the management of our college, including budget, operations, enrollment management, programming, student success, and staff and faculty support and wellbeing. Reported to and participated in Department Chairs Council and Staff Council to provide communication regarding my work as Assistant Dean, receive feedback regarding the needs of faculty, students and staff and contribute to the shared governance of the college.

Retention, Tenure and Promotion (RTP) Support: Helped faculty navigate institutional policies and their own personal development as teacher-scholars. Provided individualized support for assistant and associate professors in the college, supported faculty with narrative development and pre-reviewed tenure and promotion files before deadlines, conducted RTP file preparation workshops, and collaborated on Dean-level RTP reviews with Dean Alvarez and Associate Dean Elia. Under the leadership of the Assistant Dean for Restorative and Transformative Racial Justice, Dr. Valerie Francisco-Menchavez, helped revise the CHSS Guide to Retention, Tenure and Promotion to address inequities in the RTP process for faculty from historically marginalized backgrounds by providing support and guidance for departments to revise their criteria, for faculty to create their RTP files and for RTP chairs and committees as reviewers. Supported RTP Chair workshops to facilitate the incorporation of the CHSS Guide into department criteria and sharing of developmental RTP practices across departments.

Tenure-Track & Tenured Faculty Support: Led first-year faculty learning communities, cohort support meetings for probationary faculty and tenure track meetups, created new faculty resources list and CHSS start-up fund guidelines and provided support for teaching, facilitation of faculty scholarship and guidance for faculty on choosing and navigating service roles. Collaborated with Dr. Sheldon Gen to conduct a comprehensive review of promising approaches to support mid-career faculty navigating the pathway to full professor. We conducted focus groups for Associate Professors to assess faculty needs and delivered workshops focused on goal setting, career planning and RTP preparation. Supported department chairs who were navigating the transition from Associate to Full Professor. The goal of this work was focused on developing a sense of belonging and culture of care for faculty within their departments, the college and the university to support their personal growth and development while also maintaining their wellbeing and creating an environment for student success.

CHSS Faculty Travel Award and Professional Development Award Programs: Created structure, process, communication, and documentation for programs in collaboration with CHSS fiscal team. Responded to faculty inquiries and ran the application and award process. Managed ~\$40k per year in travel awards and ~\$65k in professional development awards.

Internal Grant Development and Support: Created and conducted grant preparation workshops and pre-reviewed draft proposals for the ORSP/DRC Mini-Grant Program. Faculty who participated had a >80% success rate in receiving funding if they applied which was much greater than the overall University success rate of ~40%. Convened and oversaw the CHSS grant review process. Advised faculty on sabbatical proposal development.

External Grant Development: Provided guidance for faculty on the development of federal grant proposals submitted to agencies including the USDA, NASA and the Department of Education. Leveraged experience with federal funding to support faculty new to the grant development process. Worked closely with the Office of Research and Sponsored Programs and represented CHSS on the ORSP Advisory Committee.

CHSS and University Community-Building/Engagement Events and Developing a Research, Scholarship and Creative Activities (RSCA) Culture: Created a “Coffee and Conversation” RSCA Breakfast Series to introduce and showcase the scholarship of new CHSS faculty and to spark collaboration. Created and directed the CHSS Undergraduate Research and Creative Works Showcase to celebrate and highlight the accomplishments of our students (~100 students presented and ~150 additional students and faculty attended each year). Co-led four

CHSS faculty writing retreats with Dr. Gen. Supported ORSP AVP Michael Scott with the 2024 Provost Lecture Series and received a grant from ICCE to develop and run a workshop for 50 faculty entitled “Translating Your Research into Policy” conducted by the Scholars Strategy Network.

2021 – Present **Faculty Co-Director SF State CREATE**
Office of Research and Sponsored Programs
San Francisco State University

Founding director of the hub which supports undergraduate research, scholarship, and creative works across the university. Manage the College Ambassador program and advise the student research club, created student research and creative works showcases for Admitted Students Day and Explore SF State to support enrollment management, facilitated outreach and programming such as “How to Get Started with Research” and “Research to Resume” workshops and MakerSpace Lounge events, developed the university-wide RSCA Pathways policy and program with Co-Directors Dr. Gretchen LeBuhn and Dr. Joshua Singer, and formed partnerships with the Peer-to-Peer Mentoring program, Library faculty, Academic Technology, LCA College Undergraduate Research Experience and COSE Student Enrichment Opportunities Office. [Recently highlighted by Inside Higher Ed as an innovative model that “empowers students to plug in to high-impact practices and learning opportunities”.](#) Served as the director of the 2022 California State University Student Research Competition held virtually at SF State - communicated with 23 campus coordinators and student competitors, developed the program schedule and ran operations, registration, juror and moderator recruitment and training, and awards management.

2009 – Present **Director of the Movement Analysis Lab**
Department of Kinesiology
San Francisco State University

The goal of the lab is to conduct research in the areas of biomechanics, motor learning and development, motor control, gerontology and rehabilitation to study human movement throughout the lifespan. We conduct state-of-the-art research in these areas and provide SF State students with the opportunity for high quality research training experiences. Received and managed approximately \$1.7 million in research funding throughout career including federal projects funded by the NIH and DOD. Provided funding support for many undergraduate and graduate student researchers. Oversaw the building of the ~1000 sqft lab space from 2007-2009. Responsible for grant and IRB writing and management, student and staff management, facilities oversight, participant recruitment, data collection and processing, manuscript and report writing, presentations and public outreach and all maintenance of technological resources including lab hardware (motion capture, force measurement, electromyography, eye-tracking, etc.), computers, software development, purchasing and additional administrative duties.

2016 – 2020 **President of the Board of Directors**
Alpine Strikers FC (Youth Soccer Organization)

Served as the volunteer executive director of the volunteer-run, non-profit organization and managed an operating budget of approximately \$1,400,000 per year. The competitive soccer club consisted of over 65 teams and 900 youth athletes between the ages of 4 and 19. Oversaw a volunteer board of directors, 200 parent team volunteers and managed a paid staff of 20 coaches and five direct reports (technical and coaching directors and administrative staff). Built up a reserve of over \$500,000 and fundraised approximately \$150,000 for need-based athlete scholarships. Navigated California law AB5 and transitioned the organization from independent contractors to employees. Managed the onset of the COVID-19 pandemic – kept coaches and staff employed by securing federal aid and kept kids physically active by working with coaches to create online programming. Retained 100% of staff following employment changes and onset of COVID. Navigated safe return to play with towns and cities by August 2020. Mentored key staff to take over the leadership of the organization and created a full-time paid club director position to ensure ongoing successful management of the organization.

2014-2019 **Graduate Program Coordinator**
Department of Kinesiology
San Francisco State University

Responsible for student admissions, program inquiries and outreach, student advising and program coordination

(with no release time or additional compensation). Created one of the first SF State Scholars Programs (4+1 BS/MS degrees) at SF State and served as the inaugural program director. Leadership led to a significant increase in the number of students enrolled in the Master's program (from 28 to 60 within the first two years) and improvement in time to degree completion.

2009-2013, 2018-2019 **Chair – Professional Development Council**

Led the committee which provided oversight for the university-wide ORSP/DRC small grants program. Created a grant development workshop with Drs. Jessica Mankus and Maricel Santos and provided pre-review of applications for faculty which resulted in very high funding success rates for those who participated. Co-led working group with Dean of Faculty Affairs Sacha Bunge in 2011-2012 to assess the state of professional development at SF State through a study of faculty perspectives on research and scholarship. Over 125 faculty contributed to the project. Supports and barriers to scholarship and recommendations for improvement were identified and many of the recommendations were eventually implemented by the offices of Faculty Affairs and Research and Sponsored Programs.

2002 – 2005

Director, Movement Analysis Laboratory

*Department of Physical Therapy and Rehabilitation Science
University of California San Francisco*

Built and managed the first human movement analysis laboratory in the department's history. Provided clinical assessment of gait and balance and research experiences for master's and doctoral students in Physical Therapy and Bioengineering. Built research collaborations across units including Orthopedic Surgery, Osher Center for Integrative Health and Bioengineering.

HONORS AND AWARDS:

San Francisco State University

Institute for Civic and Community Engagement Call to Service Grant - 2024
Excellence in Scholarship Award – College of Health and Social Sciences, 2021
Inaugural Provost's Arts and Lecture Series Invited Speaker - 2019
Faculty Travel Award, 2007, 2008, 2011, 2013, 2015, 2024
Sabbatical – 2014 and 2020

Western Society for Physical Education for College Women

Emerging Professional Award, 2008

University of California San Francisco

Nominated for the 2005 Outstanding Faculty Mentorship Award at UCSF

National Institutes of Health:

NIH Loan Repayment Program for Clinical Research, Awarded 2004-2006

Gait and Clinical Movement Analysis Society:

Young Investigator Award, 2000 Annual Meeting
Nominated for Best Paper, 2000 Annual Meeting

National Institute on Aging:

Summer Institute on Aging Research, 2003
Taking the Next Step Technical Assistance Workshop, Nov. 2000
T32 Interdisciplinary Research Training Fellowship in Gerontology, Sept. 1999 – 2002

TEACHING:

COURSES TAUGHT AT SF STATE:

Kin 437/737: Physical Dimensions of Aging
Kin 480: Anatomical Kinesiology
Kin 620: Advanced Practicum in Kinesiology
Kin 680: Musculoskeletal Biomechanics and Human Movement
Kin 699/899: Independent Study
Kin 730: Advanced Biomechanics

Kin 736: Advanced Neuromotor Control
 Kin 756: Special Topics in Kinesiology
 Kin 795: Seminar in Kinesiology
 Kin 895: Master's Project in Kinesiology
 Kin 897: Independent Research in Kinesiology
 Kin 898: Master's Thesis

PROFESSIONAL DEVELOPMENT: STUDENT SUCCESS AND TEACHING

2024: CSU AI Tools for Teaching & Learning
 2024: CSU Student Success Data Analytics Certificate Program
 2024: Bridging and Growing with Canvas
 2022: Teaching Through Transitions
 2021: Synchronous Online Teaching
 2020: CEETL Online Teaching Lab Certification
 2020: Justice, Equity, Diversity and Inclusion Pedagogy Institute
 2007: National Center for Case Study Teaching in Science: Competitively accepted with full funding to participate in the week-long NCCTS workshop

RESEARCH:

UNDERGRADUATE AND GRADUATE STUDENTS SUPERVISED OR FORMALLY MENTORED:

Mentored over 100 students from the BS and MS programs in Kinesiology and the MSPT/DPT/DPTSc/PhD programs from SF State & UCSF in guided research experiences in my laboratory. A significant majority of the students were from populations historically underrepresented in the field of biomechanics. Nearly all of the undergraduate students mentored have gone on to research or clinical graduate programs.

RESEARCH FUNDING:

Under Review - NIH Instrumentation Grant Program for Resource-Limited Institutions (RLI-S10) 2026-27

San Francisco State University
 Major User/co-I (PI Dr. James Bagley)
"Wearable Metabolic and Cardiorespiratory Health Instrumentation System"
 \$122,104

Department of Defense Research and Education Program for Historically Black Colleges and Universities and Minority-Serving Institutions Equipment/Instrumentation Funding 2024

San Francisco State University
 Co-Primary Investigator (with Dr. David Quintero (lead PI), Dr. Leia Bagesteiro, Dr. Zhaoshuo Jiang, Dr. Alyssa Kubota, Dr. Sanchita Ghose, Dr. Zhuwei Qin and Dr. Xiaorong Zhang)
"Acquisition of Instrumented Treadmill, Markerless Motion Capture, and Human-Machine Equipment for a Human-Machine Performance Laboratory to Enhance Research in Engineering and Kinesiology at SFSU"
 Total Costs: \$409,433

HEERF Research Recovery Grant 2021-2022

San Francisco State University
 Primary Investigator
"The relationship between cognition and gait performance in young adults"
 \$11,750

NIH/NIA Exploratory/Developmental Research Grant (R21) 2017-2020

San Francisco State University
 Co-Primary Investigator and Contact PI (with Dr. Sarah Barber from Georgia State University)
"Stereotype threat and challenge in older adults"
 Total costs: \$425,500

DRC AWARD 2017-2018:

Co-Primary Investigator (with Dr. Sarah Barber in Psychology)

“Stereotype threat and challenge in older adults”

\$12,000

NIH/NIA R01 2015:

Sub-award to San Francisco State University

Co-investigator (Sarah Barber and Mara Mather Co-PIs)

“Stereotype Threat in Older Adults”

\$25,000

SFSU Office of Research and Sponsored Programs Research Award 2014-2015

San Francisco State University

Primary Investigator

“The effects of Alexander Technique experience on fall risk, balance and mobility impairments in older adults.”

\$11,700

Air Force Office of Scientific Research 2012 - 2014

Subcontract to San Francisco State University from Humintell, Inc.

Primary Investigator

“Human deception detection from whole body motion analysis”

Total costs: \$214,000

SFSU Office of Research and Sponsored Programs Research Award 2011-2012

San Francisco State University

Primary Investigator

“Visual control of locomotion in children”

\$15,000

SFSU Office of Research and Sponsored Programs Research Award 2010-2011

San Francisco State University

Primary Investigator

“Age-related changes in the visual control of locomotion”

\$8,000

NIH Exploratory/Developmental Research Grant Award (R21) 2007–2010

San Francisco State University

Primary Investigator

“Age-related changes in visual guidance strategies”

Total costs: \$338,312

SFSU Summer Stipend Award 2007

San Francisco State University

Primary Investigator

“Age-related Changes in Visual Guidance Strategies”

One month summer salary stipend

UCSF Academic Senate Individual Investigator Grant 2002 – 2004

University of California San Francisco

Primary Investigator

“Visual Input Requirements for Safe Mobility in the Elderly”

Direct Costs: \$34,344.31

Toyota Motor Corporation 2003 –2004

PATH, UC Berkeley and UC San Francisco

Co-Primary Investigator

“Investigation of Elderly Safety and Comfort: In-vehicle Intersection “Gap Acceptance Advisor” and Identifying Older Driver

Needs”

Direct Costs: \$150,000

Mt. Zion Health Fund/Osher Center 2003 – 2004

University of California San Francisco

Co-investigator (5% effort & support for a student; PI – Dr. Mehling):

“Randomized Controlled Trial on the Effects of Breath Therapy in Adult Patients with Chronic Low Back Pain”

UCSF REAC Shared Equipment Grant: June 2004-June 2005

Research Evaluation and Allocation Committee, School of Medicine, University of California, San Francisco

Primary Investigator: Neurocom SMART Balancemaster

Direct Costs: \$25,500

PEER-REVIEWEED PUBLICATIONS (* indicates student working under the supervision of Dr. Hamel):

Otterstetter, D.*, **Hamel, K.A.**, Anderson, D.I.: The Effects of Alexander Technique-Based Postural Instructions on Gait in Healthy Young Adults. *In press - Human Movement Science*

Anderson, D.I. and **Hamel, K.A.**: Higher Education Careers in Kinesiology. *Book Chapter in Careers in Sport, Fitness and Exercise: A Guide to Kinesiology Professions (Editors: Templin, T., Graber, K.C. and McCullagh, P.) Human Kinetics – In Press (2025).*

Lara, D.*, Anderson, D.I. and **Hamel, K.A.**: Somatic Movement Intervention Among Older Adults to Improve Body Awareness and Spine Mobility: A Pilot Study. *Journal of Bodywork and Movement Therapies* 42(2): 319-330, 2024.

Barber, S.J., **Hamel, K.A.**, Ketcham, C*, Lui, K*, Taylor-Ketcham, N.*: The Effects of Stereotype Threat on Older Adults’ Walking Performance as a Function of Task Difficulty and Resource Evaluations. *Psychology and Aging*, 35(2):250-266, 2020.

Hamel, K.A., Ross, C.*, Schultz, B.*, O’Neill, M.*, Anderson, D.I.: Older Adult Alexander Technique Practitioners Walk Differently Than Healthy Age-Matched Controls. *Journal of Bodywork and Movement Therapies*, 20(4), pp 751-60, 2016.

Anderson, D.I., Kobayashi, Y. *, **Hamel, K.A.**, Rivera, M., Campos, J.J, Barbu-Roth, M.: Effects of support surface and optic flow on step-like movements in pre-crawling and crawling infants. *Infant Behavior and Development* 42, pp 104-110, 2016.

O’Neill, M. *, Anderson, D.I, Allen, D., Ross, C.* and **Hamel, K.A.**: Effects of Alexander Technique training experience on gait behavior in older adults. *Journal of Bodywork and Movement Therapies* 19(3), pp 473-81, 2015.

Loverro, K. *, Mueske, N. *, **Hamel, K.A.**: Effects of locomotor task and marker placement on minimum foot clearance. *Journal of Biomechanics* 46(11), pp 1842-1850, 2013.

Chew-Bullock, T. *, Anderson, D.I., **Hamel, K.A.**, Gorelick, M., Wallace, S., Sidaway, B.: Kicking performance in relation to balance ability over the support leg *Human Movement Science* 31(6), pp 1615-1623, 2012.

Pawlowsky, SB*, **Hamel, KA**, Katzman WB*: Stability of Kyphosis, Strength, and Physical Performance Gains One Year After a Group Exercise Program in Community-Dwelling Hyper-Kyphotic Older Women. *Archives of Physical Medicine and Rehabilitation* 90(2), pp 358-361, 2009.

Wampler, MA*, Topp, KS, Miaskowski, C, Byl, NN, Rugo, HS, **Hamel, KA**: Quantitative and clinical description of taxane-induced postural instability in women with breast cancer. *Archives of Physical Medicine and Rehabilitation* 88(8), pp 1002-1008, 2007.

Katzman, WB*, Sellmeyer, DE, Stewart, AL, Wanek, L, **Hamel, KA**: Changes in flexed posture, musculoskeletal impairments and physical performance following group exercise in community-dwelling older women. *Archives of Physical Medicine and Rehabilitation* 88(2), pp 192-199, 2007.

Wampler, MA*, Miaskowski, C, **Hamel, KA**, Byl, N, Rugo, H, Topp, KS: The Modified Total Neuropathy Score: a clinically feasible and valid measure of taxane-induced peripheral neuropathy in women with breast cancer. *Journal of Supportive Oncology* 4(8), pp W9-W16, 2006.

Mehling, WE, **Hamel, KA**, Acree, M, Byl, NN, Hecht, FM: Randomized Controlled Trial of Breath Therapy for Patients with Chronic Low Back Pain. *Alternative Therapies in Health and Medicine* 11(4), pp 44-52, 2005.

Hamel, KA, Okita, N, Bus, S and Cavanagh, PR: A Comparison of Foot/Ground Interaction During Stair Negotiation and Level Walking in Women. *Ergonomics* 48(8), pp. 1047-1056, 2005.

Hamel, KA, Okita, N., Higginson, J. and Cavanagh, PR: Foot Clearance During Stair Descent: Effects of Age and Illumination. *Gait and Posture* 21:2, pp 135-140, 2005.

Wampler, MA*, Hamolsky, D, Melisko, M, **Hamel, KA**, Topp, KS: Case Report: Painful Peripheral Neuropathy Following Treatment with Docetaxol for Breast Cancer. *Journal of Clinical Oncology Nursing* 9(2), pp 189-193, 2005.

Hamel, KA and Cavanagh, PR: Observational Stair Performance in People Over 75 Years Old. *Journal of the American Geriatrics Society* 54:3, pp 563-567, 2004

Christina, KA and Cavanagh, PR: Ground Reaction Forces and Frictional Demands During Stair Descent: Effects of Age and Illuminance. *Gait and Posture* 15:2, pp 153-158, 2002.

White, SC, Gilchrist, LA & **Christina, KA**: Within Day Accommodation Effects on Vertical Reaction Forces for Treadmill Running. *Journal of Applied Biomechanics* 18, pp 74-82, 2002.

Christina, KA, White, SC & Gilchrist, LA: Effect of Localized Muscle Fatigue on Vertical Ground Reaction Forces and Ankle Joint Motion During Running. *Human Movement Science* 20:3, pp 257-276, 2001.

TECHNICAL REPORTS/WHITE PAPERS:

Wilson, J., **Hamel, K**, Tumbat, G, da Silva, I, Perry, D.: Emerging Definition of Bichronous Learning During Emergency Remote Teaching. 2023. *Shared with the CSU Chancellor's Office and presented to SF State's Center for Equity and Excellence in Teaching and Learning*

Hamel, K.A.: Human Deception Detection from Whole Body Motion Analysis: Final Report. 2014. *Air Force Research Laboratories, Air Force Office of Scientific Research*.

Bougler, B, Cody, D, Geyer, J, Horne JH, Misener JA, Nowakowski, C, Rodier, CJ, Ragland, D, Shaheen, S, Caguimbaga, J*, Daniels, B*, **Hamel, KA**. Toyota GapAdvise: Investigation of elder driver safety and comfort, Final Report: 2005, *Toyota Motor Corporation*.

WORKS IN PROGRESS:

Ketcham, C*, Anderson, D, **Hamel, K.A.**: Alexander Technique Practitioners: Improved Postural Control Compared to Age-Matched Older Adults. (manuscript preparation phase for *Journal of Bodywork and Movement Therapies*)

Hamel, K.A., Barber, S, Ketcham, C*, Lui, K*: Relationship between NIH Cognition Toolbox and Gait Behavior in Older Adults (manuscript preparation phase for *Gait and Posture*)

Barber, S, Martinez Lenis, V*, **Hamel K**: Awareness of Age-Related Gains and Losses and Their Associations With Physical And Cognitive Function (currently conducting data analysis and manuscript preparation for *Journal of Gerontology*).

Hamel, K.A. and Yelvington, C*: Impact of a Kinesiology Course on Expectations Regarding Aging and Ageist Behaviors (manuscript preparation phase for *Educational Gerontology*).

Hamel, K.A., Barber, S., Kristensen, M.*, Otterstetter, D.*, Sorenson, M.*: Gait and Cognition in Young Adults (currently conducting data analysis).

PEER-REVIEWED NATIONAL/INTERNATIONAL CONFERENCE ABSTRACTS:

Hamel, K: Impact of a Kinesiology Course on Expectations Regarding Aging and Ageist Behaviors. *Gerontological Society of America Annual Scientific Meeting*, 2024. *Innovation in Aging*, 8 (Suppl 1): 16, 2024.

Anderson, DI, **Hamel, K**, He, M, Pennell, A, & Barbu-Roth, M: Otteroo usage has mixed effects on infant motor, cognitive, and social development. NASPSPA 2024; *Journal of Sport and Exercise Psychology* 46 (S11-S12), 2024.

Lara, DK*, Anderson, DI, **Hamel, KA**: A Somatic Movement Intervention for Older Adults to Improve Body Awareness and Spinal Mobility: A Pilot Study. NASPSPA 2023; *Journal of Sport and Exercise Psychology* 45 (S1), 2023.

Otterstetter, D*, Anderson, DI, **Hamel, KA**: Effects of Alexander Technique-Based Instructions on Young Adult Gait. NASPSPA 2023; *Journal of Sport and Exercise Psychology* 45 (S1), 2023.

Barber, S, Martinez Lenis, V*, **Hamel K**: Awareness of Age-Related Gains and Losses and Their Associations with Physical and Cognitive Function. *Innovation in Aging*, 6 (Suppl1): 526-527, 2022.

Martinez, V*, **Hamel, K** and Barber, SJ: Higher Awareness of Age-Related Gains is Associated with Poorer Cognitive Performance. *Cognitive Aging*, 2022.

Hamel, K, Barber, SJ, Ketcham*, C, Lui, K*: Association Between the NIH Toolbox Cognition Battery and Gait in Older Adults. *Gerontological Society of America Annual Scientific Meeting*, 2019.

Barber, SJ and **Hamel, K**: Being Respected and Admired in Old Age – Dynamics of Social Status and Aging. *Gerontological Society of America Annual Scientific Meeting, Symposium Presentation*, 2019.

Ketcham, C*, Anderson, D, **Hamel, K**: Alexander Technique Practitioners: Improved Postural Control Compared to Age-Matched Older Adults. *21st IAGG World Congress of Gerontology and Geriatrics*, 2017.

Anderson D, Motiwala, A*, **Hamel K**: Movement Strategies used by Children and Adults to Retrieve an Object from the Ground. *North American Society of the Psychology of Sport and Physical Activity*, 2017.

Gillera, T*, **Hamel, K**, Allen, D, Luke, A, Motamedi, D, Li, X, Link, T, Majumdar, S, Souza, R: The Effects of Chronic Ankle Instability and Dynamic Postural Instability on Biomechanics and Cartilage Biochemical Structure of the Ankle Joint. *APTA Combined Sections Meeting*, 2016.

Gillera, T*, **Hamel, K**, Allen, D, Luke, A, Motamedi, D, Li, X, Link, T, Majumdar, S, Souza, R: The Effects of Chronic Ankle Instability and Dynamic Postural Instability on Biomechanics and Cartilage Biochemical Structure of the Knee Joint. *APTA Combined Sections Meeting*, 2016.

Hamel, K, Mueske, N*, Loverro, K*: Insight into the increased risk of falls in older adults: age-related changes in gaze behavior and biomechanics. *Gerontological Society of America Annual Scientific Meeting*, 2015.

Gorgas, A.*, **Hamel, K.**, and Anderson, D. (2015). Gaze behavior during obstacle crossing in children and young adults. *European Conference on Eye Movements (ECM)*, 2015.

Hamel, K, Mueske, N.*, Loverro, K*.: Insight into the increased risk of falls in older adults: age-related changes in gaze behavior and biomechanics during obstacle, step and stair negotiation. *European Conference on Eye Movements*, 2013.

Gorgas, AM*, Anderson, DA, **Hamel, K**: Gaze behavior of children during challenging locomotor tasks. *North American Society of the Psychology of Sport and Physical Activity*, 2013.

Hamel, K, Loverro, K* and Greaves, N*: Alterations in frontal plane stability with aging in the absence of changes in

foot clearance during the negotiation of tripping hazards. *20th International Society of Gait and Posture Research*, 2011 (accepted – conference cancelled due to Fukushima disaster).

Hamel, K., Loverro, K* and Greaves, N*: Effects of aging on gaze behaviour and biomechanics during obstacle avoidance. *20th International Society of Gait and Posture Research*, 2011 (accepted – conference cancelled due to Fukushima disaster).

Loverro, K*, Greaves, N* and **Hamel, K.**: Effect of locomotor task and marker placement on minimum foot clearance. *American Society of Biomechanics*, 2011.

Hamel, K., Greaves, N* and Loverro, K*: Age-related changes in gaze behavior, center of mass and end point control during step negotiation. *American Society of Biomechanics*, 2011. (selected for popular choice session)

Loverro, K*, Greaves, N* and **Hamel, K.A.**: Effects of a concurrent task on foot placement and clearance in locomotor tasks of increasing difficulty. *3rd International Congress on Gait and Mental Function*, Washington, D.C., 2010.

Greaves, N*, Loverro, K* and **Hamel, K.A.**: Effects of a concurrent task on gaze behaviors during locomotor tasks. *3rd International Congress on Gait and Mental Function*, Washington, D.C., 2010.

Kobayashi, Y*, Anderson, D.I. Campos, J.J., **Hamel, K.A.**, Barbu-Roth, M: Is Air and Tactile Stepping Modulated by Optic Flow in 6 – 12 month-old Infants? Implications for Motor and Psychological Rehabilitation. *3rd International Congress on Gait and Mental Function*, Washington, D.C., 2010.

Balys S*, **Hamel K.A.**, Katzman W*: Stability of kyphosis, strength and physical performance gains one year after a group exercise program in hyperkyphotic older women. *American Physical Therapy Association Combined Sections Meeting*, Nashville, TN, 2008.

Hamel K.A. and Loverro, K*: Gaze behavior during stair descent. *International Congress on Gait and Mental Function*, Amsterdam, The Netherlands, 2008.

Katzman WB*, Sellmeyer DE, Stewart AL, Wanek L, **Hamel K.A.**: Effects of a 12-week group exercise intervention on flexed posture and physical function in older women: a preliminary study. *Gerontological Society of America Annual Scientific Meeting*, Dallas, TX, 2006.

Wampler MA*, Topp KS, **Hamel, K.A.**: Impairments in Postural Control Resulting From Taxane-induced Peripheral Neuropathy in Women with Breast Cancer. *International Society of Posture and Gait Research*, Marseille, France, 2005.

Hamel, K.A., Rhodes, J* and Arno, M*: Age-related Differences in Voluntary Visual Sampling Characteristics During Ambulation over Challenging Terrain. *International Society of Posture and Gait Research*, Marseille, France, 2005.

Mehling, W.E. and **Hamel, K.A.**: Validity of an objective motion laboratory measure for clinical trials of low back pain therapies. *Bay Area Clinical Research Symposium*, 2004.

Edwards MA*, Topp KS, Byl NN, **Hamel K.**, Melisko, M: Physical Therapy Intervention In a Woman With Breast Cancer And Chemotherapy-Induced Painful Peripheral Neuropathy. *American Physical Therapy Association Annual Meeting*, 2004.

Hamel, K.A. and Cavanagh, P.R.: Dynamic Stability During Stair Descent in Older Adults. *International Society of Posture and Gait Research*, 2003.

Hamel, K.A., Okita, N. and Cavanagh, P.R.: Variability in Foot Clearance During Stair Descent in Older Adults. *Gerontological Society of America Annual Scientific Meeting*, 2002.

Christina, K.A. and Cavanagh, P.R.: Head And Trunk Kinematics During Stair Descent. *International Society of Biomechanics*, 2001.

Cavanagh, P.R., **Christina, K.A.**, Milner, C.E., Okita, N., Piazza, S.J., Startzell, J.K.: MARey: A package of Motion Analysis Routines for three-dimensional segmental and joint dynamics in MATLAB. *International Society of Biomechanics*, 2001.

Christina, K.A., Row, B.S., Becker, M., Bus, S., Larsson, L., and Cavanagh, P.R.: Motor Performance Following Prolonged Bed-Rest: A Case Study. *Gait and Clinical Movement Analysis Society Meeting*, 2001.

Christina, K.A. and Cavanagh, P.R.: Safe Stair Negotiation: Effects Of Age, Gender And Confidence. *National Institute on Aging: Taking the Next Step Technical Assistance Workshop*, 2000.

Cavanagh P.R., Owens D.A., Startzell J.K., **Christina K.A.**, Okita N., Milner C.E.: Safety on Stairs: Biomechanical and Visual Factors. *National Occupational Injury Research Symposium*, 2000.

Christina, K.A., Okita, N., Owens, D.A. and Cavanagh, P.R.: Safe Stair Descent In The Elderly: Effects Of Visual Conditions On Foot/Stair Interaction. *Human Factors and Ergonomics Society/International Ergonomics Association Combined Meeting*, 2000.

Christina, K.A. and Cavanagh, P.R.: Required Coefficient Of Friction During Stair Descent In The Young And Elderly. *Gait and Clinical Movement Analysis Society*, 2000.

Christina, KA. White, SC & McCrory, J: The Effects of Dorsiflexor Fatigue on Kinetic Measures During Running. *North American Congress on Biomechanics*, 1998 (poster).

White, SC, **Christina, KA** & Gilchrist, LA: Within-Day Accommodation and Habituation Effects On Vertical Impact Forces For Treadmill Running. *Twentieth Annual Meeting of the American Society of Biomechanics*, 1996.

SERVICE TO CAMPUS AND COMMUNITY:

UNIVERSITY SERVICE:

2025 – present	Digital Media Studio/MakeSpace Advisory Board (co-chair)
2024 – present	Center for Equity and Excellence in Teaching and Learning Advisory Board Member
2024 – 2025	University Advisory Group on Student AI Programming
2021 - present	University Strategic Planning Committee (CHSS Representative)
2022	All-University Retreat Planning Committee, High Impact Practices Presenter and Student/Faculty RSCA Slideshow
2019 - 2020	ORSP Undergraduate Research Task Force
2019 - 2021	Athletic Advisory Board
Spring 2018	Search Committee – Athletic Director
2017 - present	University Research, Scholarship and Creative Activities Council (Chair 2024-26)
2017 - 2019	Professional Development Committee (Chair 2018-19)
2009 - 2013	Professional Development Committee – Chair
2006 - 2008	Graduation Requirements Task Force

SFSU COLLEGE SERVICE:

2023 - 2024	CHSS Centers and Institutes Five-Year Review Committee Chair
2020 - present	CHSS Undergraduate Scholarship Showcase Director and Committee Chair
2018	CHSS Research Service Organization Review Committee
2017 - 2018	CHSS Teaching Task Force
2014 - 2015	CHSS Scholarship Task Force – Chair (organized first College Showcase)
2013	CHSS Leave with Pay Committee
Spring 2012	CHSS Scholarship Task Force
2006 - 2008	Gerontology Program Interdisciplinary Task Force
2007 - 2009	College Vision for Research and Scholarship Task force

SFSU DEPARTMENTAL SERVICE:

2018 - 2022	Retention, Tenure and Promotion Committee Member (Chair 2021 - 2022)
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2019	Seventh Cycle Program Review Team Member
2018	Submitted Student Success in the Major Grant (unfunded)
Fall 2017	Faculty Search Committee Chair – Position in Biomechanics
2016 – 2017	Kinesiology Representative on the Causeways Program
2010 - 2020	Director of the Kinesiology Scholars Program (now SF State Scholars Program)
2016-2019	Chair of the Lecturer Review Committee
2015	Faculty Search Committee Chair – cluster hire in Neuromechanics
2014	Faculty Search Committee Member – Position in Exercise Physiology
2008 – 2014	Kinesiology Graduate Association Faculty Advisor
2006-present	Undergraduate and Graduate Student Advisor (approximately 80 advisees/year)
2008	Departmental Representative to the Faculty and Staff GEAR Colloquium
2006-2007	Faculty Search Committee Member – Position in Exercise Physiology
2007 - 2014	Departmental Scholarship Committee

SELECTED COMMUNITY/GOVERNMENT SERVICE/INDUSTRY CONSULTING/MEDIA:

2023	Interviewed for Oprah Daily: “Long Live You!” A head-to-toe guide to thriving all the way into your Platinum years.
2022	Stereotype threat research was the subject of BBC Studios Science Unit Documentary on Successful Aging: month-long project to re-create the research study for the filming process which took place in our lab at SF State
2019	National Institutes of Health – MOSS-V(15) Special Emphasis Panel reviewer on “Small Business: Musculoskeletal Rehabilitation Sciences
2018	External program reviewer for Notre Dame de Namur Kinesiology Program
2016-19	Partnership with Theranova (San Francisco-based medical device incubator) to develop low-cost fall prevention sensor systems
2014 – 2016	Alpine Strikers Soccer Club Board of Directors – Fields & Schedule Director
2011	NSF-sponsored Bay Area Science Festival Finale: “Balancing Act: Falling for Science”
2009	Biomechanical expert for Good Morning America segment
2008	Skyline College’s Expanding Your Horizons in Math and Science – “Balancing Act”
2007	Serious Games for Nursing Software Development
2002-2009	Pro Bono Gait and Balance Assessments for patients with neurological disorders including Multiple Sclerosis, Amyotrophic Lateral Sclerosis, Ataxia, Vestibular loss and Peripheral Neuropathy
2004	Scientific consulting for Neuroscience Solutions (now Posit Science)
2003	National Institute of Health, NICHD - Special Emphasis Review Panel member