

**Patricia C. Heyn, PhD, FGSA, FACRM**

***Associate Professor***

Department of Physical Medicine and Rehabilitation

**Associate Faculty**

Movement Disorders Center (MDC), Department of Neurology

Rocky Mountain Alzheimer's Disease Clinical Research Center (RMADCRC)

**Research Associate**

Center for Gait and Movement Analysis (CGMA) at Children's Hospital Colorado

**Research Associate**

Crnac Institute for Down Syndrome Research

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**BIOGRAPHICAL SKETCH**

Dr. Heyn has distinctive knowledge on how to synthesize and evaluate the quality of the evidence to provide guidance on current public health issues to improve research and methodology, and in conducting health services and implementation research to promote the best health sciences research practices to promote health and intervene in the process of disease developments in populations at risk for early chronic disease development. Her meta-analysis study on the effects of exercise training for individuals with dementia is recognized as the **Number #1 *Top 25 SciVerse ScienceDirect: Archives of Physical Medicine and Rehabilitation Hottest Article*** and Altmetric highly scored [http://www.altmetric.com/details.php?domain=www.archives-pmr.org&citation\\_id=595837](http://www.altmetric.com/details.php?domain=www.archives-pmr.org&citation_id=595837). Dr. Heyn is nationally recognized for her leadership and unique mentorship skills. In 2015, she was nominated by the president of the Gerontological Society of America to chair the Mentoring Committee and in 2013 she started an international rehabilitation evidence-based taskforce that is formed by two workgroup panels from the American Congress of Rehabilitation Medicine (ACRM) in analyzing and evaluating current research on 1) the effects on brain gaming on cognitive function in older adults with mild cognitive impairment (MCI) and 2) pharmacological studies related traumatic brain injury and cognitive outcomes. The aim of the ACRM evidence-based outcomes research workgroups are to inform the public on current relevant public health topics that could impact policy, clinical practice and research methodology. She also has extensive expertise in designing lifestyle medicine trials for older individuals and individuals with disabilities. Her investigations include the associations between exercise/mobility, metabolic syndrome, cardiovascular risk factors, mental health and cognitive function. She has been involved in several international academic programs. Her research was featured in *La Nación*, Argentina's leading newspaper and is frequently cited in various media such as [HealingWell.com](http://HealingWell.com), [WIKIBOOKS](http://WIKIBOOKS), *ABC 7 News* and the [Alzheimer's Association](http://Alzheimer's Association).

**Selected Professional Websites:**

[https://www.researchgate.net/profile/Patricia\\_Heyn](https://www.researchgate.net/profile/Patricia_Heyn)

<http://www.ucdenver.edu/academics/colleges/medicalschool/departments/pmr/Faculty/faculty/Pages/Heyn.aspx>

## EDUCATION

- 2006      **University of Colorado**, Denver, Colorado  
Post-Doctoral Research Fellowship in Geriatric Medicine with Emphasis in Clinical Exercise Training, Aging, Metabolism, Obesity and Cognition  
Fellowship supported by the National Institutes of Health/National Institute on Aging
- 2004      **University of Texas Medical Branch**, Galveston, Texas  
Post-Doctoral Research Fellowship in Cognitive/Neurologic Rehabilitation  
Fellowship supported by the National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR)
- 2002      **University of Central Florida**, Orlando, Florida  
Doctor of Philosophy Degree in Applied Exercise Physiology and Gerontology
- 2001      **University of Central Florida**, Orlando, Florida  
Gerontologist Certificate, Graduate Certificate #08GC2195
- 1994      **University of Central Florida**, Orlando, Florida  
Master of Arts Degree in Applied Exercise Physiology and Wellness Track
- 1989      **University of Sao Paulo Medical School**, Sao Paulo, Brazil  
Post-Bachelor Certificate in Exercise Physiology Laboratory Techniques
- 1988      **University of Santo Andre/ Faculdades Integradas de Santo Andre (FEFISA)**,  
Santo Andre, Brazil  
Bachelor of Science Degree in Physical and Health Education

## ACADEMIC APPOINTMENTS & AFFILIATIONS

- 2015- Present **Affiliated Faculty Member**, Movement Disorders Center, Department of Neurology, School of Medicine, University of Colorado Denver Anschutz Medical Campus, Aurora, Colorado.
- 2015- Present **Affiliated Faculty Member**, Rocky Mountain Alzheimer's Disease Center (RMADC), Department of Neurology, School of Medicine, University of Colorado Denver Anschutz Medical Campus, Aurora, Colorado.
- 2014- Present **Affiliated Faculty Member**, Center for Global Health, Colorado School of Public Health, School of Medicine, University of Colorado Denver Anschutz Medical Campus, Aurora, Colorado
- 2013- Present **Research Associate**, Linda Crnic Institute for Down Syndrome, Anschutz Medical School of Medicine, University of Colorado Denver, Aurora, Colorado

- 2013- Present **Research Associate**, Center for Gait and Movement 3D Analysis (CGMA), Children's Hospital Colorado, Anschutz Medical Campus, Aurora, Colorado
- 2010-05/15 **Faculty and Education Program Director**  
Colorado Intellectual & Developmental Disabilities Research Center (IDDRC), School of Medicine, University of Colorado Denver Anschutz Medical Campus, Aurora, Colorado
- 2008-Present **Methodologist & Associated Senior Scientist**  
Rehabilitation Engineering Research Center for Advancing Technologies to Enhance Independence for Adults with Cognitive Impairments (RERC-ATACI), Department of Biomedical Engineering, School of Medicine, University of Colorado Denver Anschutz Medical Campus, Denver, Colorado
- 2014-Present **Associate Professor**  
Department of Physical Medicine and Rehabilitation, School of Medicine, University of Colorado Denver Anschutz Medical Campus, Denver, Colorado
- 2008-2014 **Assistant Professor**  
Department of Physical Medicine and Rehabilitation, School of Medicine, University of Colorado Denver Anschutz Medical Campus, Denver, Colorado
- 2007-2008 **Clinical Assistant Professor**  
Department of Physical Medicine and Rehabilitation, School of Medicine, University of Colorado Health Sciences Center, Aurora, Colorado
- 06/07- 12/07 **Associate Senior Researcher**, Radiology Department, University of Colorado Health Sciences Center
- 2006-2007 **Assistant Research Professor**  
Division of Geriatric Medicine and Alzheimer's Disease and Cognition Center, School of Medicine, University of Colorado Health Sciences Center, Aurora, Colorado
- 2004-2007 **Director**  
Cognitive Aging Research Laboratory (CARL), University of Colorado Health Sciences Center, Aurora, Colorado
- 2004-2007 **Clinical Trial Coordinator**  
NIH/NIA RO1: Testosterone Supplementation and Exercise in Elderly Men – 5 year study, University of Colorado Health Sciences Center, Aurora, Colorado
- 2004-2006 **Post-Doctoral Fellowship in Geriatric Medicine Research**  
Division of Geriatrics Medicine, University of Colorado Health Sciences Center, Aurora, Colorado

- 2004-2005     **Affiliated Associate Professor**, Division of Rehabilitation Sciences, University of Texas Medical Branch
- 2003-2004     **Postdoctoral Fellow**  
Division of Rehabilitation Sciences, University of Texas Medical Branch, Galveston, Texas
- 2003-2004     **Research Project Director**  
Ophthalmology Department, University of Texas Medical Branch, Galveston, Texas
- 1999-2000     **Education Director**  
International Health Education Program University Estacio de Sa, Rio de Janeiro, Brazil.
- 1997-1998     **Anatomy and Physiology Instructor**  
Florida College of Natural Health, Altamonte Springs, Florida
- 1994-2002     **Adjunct Professor and Associate Researcher**  
Institute of Exercise Physiology, University of Central Florida, Orlando, Florida
- 1994-1995     **Research Coordinator**  
UCF Human Performance Laboratory and Student Health Center, Department of Teaching and Learning Principles, University of Central Florida, Orlando, Florida
- 1990-1995     **Instructor**  
Recreational Services Department, University of Central Florida, Orlando, Florida
- 1988-1990     **Exercise Physiology Research Assistant**  
Heart Institute, University Hospital, University of Sao Paulo, Sao Paulo, Brazil

NON-TENURE TRACK PROFESSIONAL POSITIONS

- 2000-2002     **Rehabilitation Specialist**  
REHABWORKS: A Division of Symphony Health Services, Village on the Green, Longwood, Florida
- 1999-2000     **International Health Consultant**  
University Estacio de Sa (UNESA), Rio de Janeiro, Brazil
- 1997-2000     **Community Health Coordinator & Wellness Director**  
Parks and Recreation Department, City of Casselberry, Florida
- 1997            **Corporate Wellness Center Manager**  
LYNX – Central Florida Regional Transportation Authority, Orlando, Florida

- 1996            **Community Health Promotion Consultant and Program Development**  
SESC, Social Service of the Chamber of the City of Sao Paulo, Brazil
- 1996            **Rehabilitation Specialist and Wellness Consultant**  
Altamonte Family Chiropractic and Rehab Center, Altamonte Springs, Florida
- 1995-1996    **Exercise Physiologist**  
Parish Medical Center, Titusville, Florida

#### HONORS/SPECIAL RECOGNITIONS/AWARDS

- **Fellow Award**, American Congress of Rehabilitation Medicine, 2016.
- **Fellow Award**, Gerontological Society of America, 2016.
- **Chair (2016-17) Chair-Elect (2015-16), Mentorship Committee**, Gerontological Society of America (appointed by the president), 2015.
- **Associated Editor**, Journal of Aging and Physical Activity (JAPA), 2015 to present.
- **2013-2015 Top 25 SciVerse ScienceDirect: #1 Hottest Article** from the Archives of Physical Medicine and Rehabilitation (Cited by Scopus over 465 and over 840 by Scholar)
- **NIH/NIDDK NMRI 12<sup>th</sup> Annual Workshop Award**, NIH/NIDDK Network of Minority Research Investigators (NMRI), Bethesda, Maryland, 2014
- **BSM PRIDE Award**, Summer Institute to Increase Diversity in Behavioral Medicine and Sleep Disorders Research, New York, NY, 2012.
- **NIH/NIDDK NMRI 10<sup>th</sup> Annual Workshop Award**, NIH/NIDDK Network of Minority Research Investigators (NMRI), Bethesda, Maryland, 2012
- **SIG Co-Chair**, Society of Behavioral Medicine, 2011-2013
- **National Institute of Heart, Lung and Blood/NIH and the Society of Behavioral Medicine Workshop Award**, “Controversies in Clinical Trials – a Satellite Symposium of the 11<sup>th</sup> International Congress of Behavioral Medicine, Washington, D.C., 2010
- **NIH/NIDDK NMRI 8<sup>th</sup> Annual Workshop Award**, NIH/NIDDK Network of Minority Research Investigators (NMRI), Bethesda, Maryland, 2010
- **Invited Editor**, Topics in Geriatric Rehabilitation: Exercise Training & Dementias, 2011

- **NIH/NIDDK NMRI West Regional Workshop Award**, NIH/NIDDK Network of Minority Research Investigators (NMRI), 2009
- **Professor Alfonso Bovero Award for Outstanding Contributions to Medical Education**, University of Sao Paulo, 2008
- **Fellowship Award**, National Institutes of health Summer Institute on the Design and Conduct of Randomized Clinical Trials Involving Behavioral Interventions, 2008
- **Evidence-Based Rehabilitation Scientific Committee Award**, American Congress of Rehabilitation Medicine, 2007
- **CNRU Pilot and Feasibility Award**, University of Colorado Health Sciences Center, Denver, Colorado, 2007
- **Scholar Award**, American Federation for Medical Research (AFMR), 2006.
- **American Society of Neurorehabilitation Presidential Award**, 81<sup>st</sup> Annual Assembly of the American Congress of Rehabilitation Medicine (ACRM) and the 11<sup>th</sup> Annual Meeting of the American Society of Neurorehabilitation, 2004
- **National Institute on Aging Premier Training Workshop on Aging Research**, Summer Institute on Aging Research – NIH/NIA, 2004
- **Alzheimer's Association Travel Fellowship Award**, 9<sup>th</sup> International Conference on Alzheimer's Disease and Related Disorders, 2004
- **Hispanic Health Services Research Award**, Center for Excellence, Stanford University School of Medicine, 2004
- **Honorable Mention, James G. Zimmer New Investigator Research Award**, Retirement Research Foundation and the Gerontological Health Section from the American Public Health Association, 2003
- **Excellence in Clinical Science Research**, National Women's Health Poster Session, 2003
- **Scholarship Award**, Central Florida Golden Knights Who's Who Achievement & Excellence Scholarship Publication, 2002
- **Laurence G. Branch Doctoral Student Research Award**, Retirement Research Foundation and the Gerontological Health Section from the American Public Health Association, 2002

- **Andrus Foundation Award**, National Institute on Aging Technical Assistance Workshop for Emerging Scholars and Investigators, Award included the **NIH/NIA Technical Assistance Workshop** for Emerging Scholars and Investigators, 2001
- **Honorary Teacher Award**, Teach-In 98, Seminole County Public Schools, 1998
- **Outstanding Nomination for the Infant Drowning Prevention Program**, Orange County Health Department, Florida Health Department, 1998

#### MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS

2015- Present	<b>American Academy of Developmental Medicine and Dentistry (AADMD)</b>
2015 – Present	<b>National Task Group on Intellectual Disabilities and Dementia Practices</b>
2012- 2015	<b>American Spinal Injury Association (ASIA)</b>
2009-2014	<b>Society of Behavioral Medicine (SBM)</b>
2009-Present	<b>Network of Minority Health Research Investigators (NMRI)/NIDDK/NIH</b>
2007-Present	<b>Rocky Mountain Neuroscience Group (RMNG)</b>
2007-Present	<b>American Society of Neuroscience (ASN)</b>
2006-Present	<b>American Psychological Association (APA)</b>
2004-Present	<b>Alzheimer’s Research Forum, Alzheimer’s Association</b>
2004-2009	<b>American Geriatrics Society (AGS)</b>
2004-2008	<b>American Federation for Medical Research (AFMR)</b>
2004	<b>OBSSR/NIH Summer Institute on RCTS</b> Fellow
2003-Present	<b>American College of Rehabilitation Medicine (ACRM)</b>
2003-2010	<b>American Society of Neurorehabilitation (ASNR)</b>
2002-2009	<b>American Psychological Society (APS)</b>
2002	<b>Association for Gerontology in Higher Education (AGHE)</b> Fellow

- 2001                    **NIA Doctoral Leadership Fellowship Program**  
Fellow
- 2001                    **NIA Summer Institute on Aging Research Program**  
Fellow
- 1999-2004            **2010 Health People Consortium**, U.S. Department of Health and Human  
Services
- 1998-Present        **The Gerontological Society of America (GSA)**
- 1998-Present        **National Alzheimer Association and International Alzheimer's Association**
- 1998-Present        **American Public Health Association (APHA)**
- 1998-2004            **Council on Aging and Adult Development of the American Association for**  
**Active Lifestyles and Fitness**
- 1997-Present        **America College of Sports Medicine (ACSM)**  
Member & Certified

#### MAJOR COMMITTEE AND SERVICE RESPONSIBILITIES

- 2016 – 2017            Chair, **Mentorship Committee**, Gerontological Society of America (GSA)
- 2016 – 2018            Chair, **Neurodegenerative Disorders Networking Group**, American Congress  
on Rehabilitation Medicine (ACRM)
- 2015 – 2016            Chair-Elect, **Mentorship Committee**, Gerontological Society of America  
(GSA)
- 2015- Present        Associate Editor, **Editorial Board**, Journal of Aging and Physical Activity  
(JAPA)
- 2014 - Present        Medical Education **Reviewer**, Association of American Medical Colleges  
(AAMC)
- 2013- Present        Chair, **Applied Cognition Task Force, Measurement Networking Group**,  
American Congress of Rehabilitation Medicine (ACRM)
- 2013 – Present        Member, **Communications & Publications Committee**, American Congress  
on Rehabilitation Medicine (ACRM)
- 2013 – 2016            Co-Chair, **Neurodegenerative Disorders Networking Group**, American  
Congress on Rehabilitation Medicine (ACRM)

- 2013 – Present Member, **Spinal Cord Injury Interest Group**, American Congress on Rehabilitation Medicine (ACRM)
- 2013-Present Member, **Research Advisory Committee (RAC)**, University of Colorado Anschutz Medical Campus
- 2013- 2014 Member, **Budget Committee, Faculty Council**, University of Colorado
- 2012-2014 Member, **Women Faculty Committee**, University of Colorado
- 2012-2013 Chair, **Chancellor Ad hoc Salary Committee**, University of Colorado
- 2012-2011 Co-Editor, **Special Edition Issue: “Exercise and Alzheimer’s disease: From neurons to neighborhoods”** Topics in Geriatric Rehabilitation (TGR Journal)
- 2011-Present Reviewer, **American Journal of Alzheimer’s Disease & Other Dementias**
- 2011-2013 Chair, **Special Interest Group on Aging**, Society of Behavioral Medicine
- 2009 -Present Reviewer, **International Journal of Geriatric Psychiatry**
- 2009 – Present Member, **Stroke Special Interest Group**, American Congress on Rehabilitation Medicine (ACRM)
- 2009 – Present Member, **TBI Special Interest Group**, American Congress on Rehabilitation Medicine (ACRM)
- 2008-Present Chair, **European & USA Task Force Committee on Physical Activity, Aging Cognition**, International Academy on Health and Aging
- 2007-Present Reviewer, **Gender Medicine Journal**
- 2007-Present Faculty, **Campus-Wide Interprofessional Orientation**, University of Colorado
- 2007-2008 **Intern Selection Committee**, Residency Training Program in Internal Medicine, University of Colorado at Denver and Health Sciences Center
- 2007-2007 External Reviewer, **Faculty Promotion Committee**, University of West Florida
- 2006-Present Reviewer, **Western Journal of Nursing Research**
- 2006-2008 Faculty & Scientific Committee Member, **Alzheimer’s Disease and Cognition Center**, School of Medicine, University of Colorado at Denver and Health Sciences Center
- 2005-Present Expert Grant Reviewer, **National Institute on Disability and Rehabilitation Research (NIDRR), U.S. Department of Education**

- 2005-Present Reviewer, **Archives of Physical Medicine and Rehabilitation (APMR)**,
- 2005-Present Faculty and Alumni, “**The Summer Institute on Aging Research**”, National Institutes of Health/National Institute on Aging
- 2005-Present Executive Committee Member, **American Geriatric Society Clinical Research in Dementia Special Interest Group**
- 2005-2009 Reviewer, **Journal of the American Geriatrics Society (AGS)**
- 2005-2008 Editorial Member, **Psychoneuroendocrinology Journal**
- 2005-2007 Co-Chair, **Interest Group on Aging**, American College of Sports Medicine (ACSM)
- 2005-2006 Co-Chair, **Emerging Scholar and Professional Organization of the Gerontological Society of America (GSA)**
- 2005 Faculty, **Bench-to-Bedside**, University of Colorado School of Medicine Curriculum
- 2004-Present Reviewer, **Journal of the National Medical Association (NMA)**
- 2004-Present Judge, **MSA Capstone Presentations and Celebration**, University of Colorado
- 2004-Present Faculty and Judge, **Annual Student Research Forum**, University of Colorado
- 2004-2007 Member, **University of Colorado Health Sciences Center Brain & Behavior Interest Group**
- 2004-2005 **Endowed Chair Search Committed Member**, Russell Shearn Moody Distinguished Chair in Cognitive & Neurological Rehabilitation, UTMB
- 2003-Present Reviewer, **Journal of Aging and Physical Activity**,
- 2003-Present Member, **Interest Group on Brain Injury**, American College of Rehabilitative Medicine
- 2003-Present Reviewer, **National Alzheimer’s Association Medical Scientific Grant Program**
- 2002-Present Member, **Council on Aging and Adult Development Newsletter**, Editorial Board

- 2002-Present      **Council on Aging and Adult Development (CAAD) of the American Association for Active Lifestyles and Fitness (AAALF)**, Executive Committee Member
- 2002-Present      Member, **Interest Group on Aging**, American College of Sports Medicine (ACSM)
- 2002-2004        Member, **Gerontological Health Section Committee (GHS)**, American Public Health Association (APHA)
- 2002-2003        Member, **Education and Training Executive Committee**, American Society on Aging (ASA)
- 2001-2003        Member, **American Society on Aging (ASA) Student Committee**,
- 2001-2002        Head, **Gerontological Society of America (GSA) Campus Organization**, Campus Representative
- 2000-2001        Member, **International Studies Committee; UCF Teaching Incentive Award Committee**,

#### LICENSURE & BOARD CERTIFICATIONS

- 2011-2013        **CPR and First Aid**, American Red Cross and the American Heart Association
- 2001                **Gerontologist**, University of Central Florida, Graduate Certificate #08GC1295
- 1999-Present     **Exercise Programming and Registered Clinical Exercise Physiologist**, American College of Sports Medicine, Certification #1780
- 1997                **12-Lead ECG Interpretation Certification**
- 1996-2000        **Aquatic Therapy Instructor**, Aquatic Exercise Association
- 1995-2000        **Exercise Rehab Instructor**, Arthritis Foundation
- 1994-1999        **Instructor Trainer and Certified**, United States Water and Fitness Association

## GRANT PANEL PEER-REVIEW AND REFEREE WORK

- 2013 - Present- **Peer Reviewer**, Division of Humanities and Social Sciences, Swiss National Science Foundation (SNSF)
- 2013- Present **Grant Panel Reviewer**, Scientific Peer Advisory and Review Services division of the American Institute of Biological Sciences (AIBS), US Army Medical Research and Materiel Command (USAMRMC).
- 2012-Present **Peer Review Committee**, NIH/Patient-Centered Outcomes Research Institute (PCORI), National institutes of Health.
- 2012-Present **Peer Review Committee**, Traumatic Brain Injury Model Systems, National Institute on Disability Intendent Living, and Rehabilitation Research (NIDILRR), Administration for Community Living, USDHHS.
- 2011 - Present **Special Section Grant Panel Reviewer**, Clinical Trials Review Committee (CLTR) Clinical Studies and Training Branch, Office of Scientific Review, National Heart, Lung, and Blood Institute / National Institutes Of Health (NIH/NHLBI).
- 2010-Present **Peer Review Committee**, National Science Foundation (NSF)
- 2009-Present **Peer Review Committee**, NIH/National Institute of Child Health and Human Development
- 2008-Present **Peer Review Panel Committee**, Colorado Multiple Institutional Review Board
- 2005-Present **Expert Peer Review Committee**, National Institute on Disability Intendent Living, and Rehabilitation Research (NIDILRR), Administration for Community Living, USDHHS.
- 2003-Present **Peer Review Committee**, National Alzheimer's Association Medical Scientific Grant Program

## INVITED EXTRAMURAL LECTURES, PRESENTATION & VISITING PROFESSORSHIPS

### **International**

**Heyn P.C. (2015).** Developing a Higher Education Program in *Clinical Public Health and Aging*. October 09. Sunshine Coast University. Queensland, Australia.

**Heyn P.C. (2015).** *Evaluating Physical, Functional, and Cognitive Health Outcomes in Adults with Cerebral Palsy*. American Academy of Developmental Medicine and Dentistry Annual Conference in Conjunction with the 2015 Special Olympics World Games, July 27-29, 2015, Los Angeles, California.

**Heyn, P.C. & Carollo, J.C. (2014).** *Exercise is Medicine and We Need to Prescribe In Conjunction with Comprehensive Lifestyle Counseling*, Selected as Platform Lecture for the 91<sup>st</sup> American Congress of Rehabilitation Medicine, Quebec, Canada.

**Heyn, PC (2014).** What Did We Learn From The Longitudinal Studies On Aging, Exercise And Cognitive Function? 91<sup>st</sup> American Congress of Rehabilitation Medicine, Quebec, Canada.

**Heyn, P.C. & Carollo, J.C. (2011).** *Virtual-Reality Rehabilitation for Individuals with Brain Injury and Strokes*, 20<sup>th</sup> Annual Meeting of the European Society of Movement Analysis for Adults and Children (ESMAC), Vienna, Austria.

**Heyn, P.C. (2008).** *Aging Brain, Exercise, and Cognitive Health*, Department of Biomedical Sciences, University of Sao Paulo Medical School (USP), Sao Paulo, Brazil.

**Heyn, P.C., Schwartz, R.S., Nakamura, T., et al (2006).** *Plasma Testosterone Levels and Cognitive Function in Borderline Hypogonadal Older Men*, 10<sup>th</sup> International Conference on Alzheimer's Disease and Related Disorders (ICAD), Madrid, Spain.

**Heyn, P. (2004).** *Demencia Semantica Y Transtornos Cognitivos Asociados a Enfermedades Extrapiramidales*, Simposio Internacional de La Seccion de Neurologia Cognitiva & Neuropsiquiatria, Fleni Institute, Buenos Aires, Argentina.

**Heyn, P. (2004).** *Perspectivas Actuales en Neurociencias Cognitivas*, VI Congreso Argentio de Neuropsicologia/SONEPA, Buenos Aires, Argentina.

**Heyn, P. (2000).** *Aging in the New Millennium: Impact of the Graying of the World Population*, Consortium of South American Universities, Rio de Janeiro, Brazil.

**Heyn, P. (2000).** *Strength and Resistance Training*, First South American College of Sports Medicine (ACSM) Certification, University Estacio de Sa, Rio de Janeiro, Brazil.

**Heyn, P.** (1999). *Corporate Wellness.*, International Symposium in Sports Medicine, Universidade do Esporte, Rio de Janeiro, Brazil.

**Heyn, P.** (1999). *Programs and Physical Activities for the Third Age*, International Symposium in Sports Medicine, Universidade do Esporte, Rio de Janeiro, Brazil.

**Heyn, P.** (1999). *Aquatic Fitness Workshop and Certification*, First United States Water Fitness Certification in South America, Universidade Estacio de Sa, Rio de Janeiro, Brazil.

**Heyn, P.** (1996). *Aquatic Post-Therapy Rehabilitation*, Annual Reebok International Conference, Sao Paulo, Brazil.

**Heyn, P.** (1996). *Community Wellness*, Annual Reebok International Conference, Sao Paulo, Brazil.

**Heyn, P.** (1996). *Training and Motivation*, International Meeting, Social Service of the Chamber of the City of Sao Paulo, Sao Paulo, Brazil.

## USA

**Heyn PC**, McGrew G, Reistetter T, Bodine C (2016). Technology Use in Everyday Life for Mature Adults with Cognitive Disabilities: Usability Implication. The Gerontological Society of America's 69th Annual Scientific Meeting, taking place in New Orleans, LA November 16-20, 2016.

**Heyn P.C.**, Robertson D, Zhaoxing P, Carollo J (2016). Association Between Handgrip Strength and Cognitive Function in Adults With Cerebral Palsy. The Gerontological Society of America's 69th Annual Scientific Meeting, taking place in New Orleans, LA November 16-20, 2016.

**Heyn P.C.**, Robertson D, Zhaoxing P, Carollo J (2016). Examination of Premature Aging in Individuals With Cerebral Palsy by Self-Reported Health Status. The Gerontological Society of America's 69th Annual Scientific Meeting, taking place in New Orleans, LA November 16-20, 2016.

**Heyn, P.C.**, Janicki M, Bishop K. (2016). Dementia, Aging, and Disabilities: Early Detection and Clinical Practice Challenges (Symposium). 93<sup>rd</sup> Annual Conference of the American Congress of Rehabilitation Medicine, Chicago, IL, October 30-November 4, 2016. [Symposium]

**Heyn P.C.**, Robertson D, Carollo J. (2016) The Relation Between Common Metabolic Markers and Functional Level in Adults with Cerebral Palsy from the CPAT Study. 93<sup>rd</sup> Annual Conference of the American Congress of Rehabilitation Medicine, Chicago, IL, October 30-November 4, 2016. [Poster]

Robertson D, Colip M, **Heyn P**, Carollo JJ. (2016) Relationship of Rate of Force Development and Physical Activity in Adults with Cerebral Palsy. American Congress of Rehabilitation Medicine, Chicago, IL, October 30-November 4, 2016. [Poster] Top 25th percentile score.

Hirsch M.A., Carollo, J.C., Herbert J., **Heyn, P.C.** (2016). Quantification of gait and gait related activities in neurodegenerative conditions using mobile technology (Symposium). 93<sup>rd</sup> Annual

Conference of the American Congress of Rehabilitation Medicine, Chicago, IL, October 30-November 4, 2016. [Symposium]

Robertson D, **Heyn P**, Carollo JJ. (2016) Cerebral Palsy Adult Transition Study (CPAT): Health Passport Consultation Follow-up Study. American Congress of Rehabilitation Medicine, Chicago, IL, October 30-November 4, 2016. [Poster].

Carollo JJ, Robertson D, **Heyn PC**. (2016) Cerebral Palsy Adult Transition Study (CPAT): Early Results from the Prospective Health Screening Cohort. American Congress of Rehabilitation Medicine, Dallas, TX, October 25-30, 2015. [Poster]

York, M and **Heyn, P.C. (chair & discussant)** (2016). Alzheimer's to Parkinson's Disease: An Interactive Round Table Discussion on Cognitive Rehabilitation Research and Implications for Clinical Practice (Symposium). 93<sup>rd</sup> Annual Conference of the American Congress of Rehabilitation Medicine, Chicago, IL, October 30-November 4, 2016. [Symposium]

**Heyn, P.C.**, Carollo, JC, Hirsch M, Iyer S.I. (**chair & presenter**) (2016). Patient Empowerment Using a Person-Focused Health & Wellness Approach to Clinical Research and Community Outreach (Symposium). 93<sup>rd</sup> Annual Conference of the American Congress of Rehabilitation Medicine, Chicago, IL, October 30-November 4, 2016. [Symposium]

Kim, S, Hoefner, L, Heinemann A, **Heyn, P.C. (chair & discussant)** (2016). ACRM Measurement Networking Group Applied Cognition Task Force (MNG ACTF): Traumatic Brain Injury Symposium. 93<sup>rd</sup> Annual Conference of the American Congress of Rehabilitation Medicine, Chicago, IL, October 30-November 4, 2016. [Symposium]

Thomas S.P., Pan Z., Robertson D, Frickman A., Carollo J., **Heyn P.C.** (2016) Cerebral Palsy Adult Transition (CPAT) cross-sectional study preliminary findings: chronic pain correlates with memory difficulties in adults with cerebral palsy. American Academy of Physical Medicine and Rehabilitation Annual Assembly, New Orleans, LA, October 20 – 23, 2016. [Poster]

Carollo JJ, Robertson D, Frickman A, **Heyn P**. (2016). Walking and its Effect on Health and Function in Individuals with Cerebral Palsy as they Transition to Adulthood: A Health Outcomes Study. American Academy of Cerebral Palsy and Developmental Research. Hollywood, FL, September 20-24, 2016. [Demonstration Poster]

**Heyn P.C** and Carollo J.C. (2016). The NIDILRR Cerebral Palsy Longitudinal Adult Transition Study (CPAT): Design, Method & Preliminary Findings. 14th Annual Educational Conference of the American Academy of Developmental Medicine and Dentistry (AADMD), Chicago, IL, July 8<sup>th</sup>, 2016. [Podium Presentation]

**Heyn P.C.** et al. (2015). Workgroup Debut Symposium: Aging, Technology and Innovation. *Technology Track*: 68<sup>th</sup> Annual Scientific Meeting Gerontological Society of American Annual Meeting, Orlando, FL.

Gonzales E, Griffiths P, Haesner M, and **Heyn, P.C. (presenter & discussant) (2015)**. Technology and Aging Interest Group Debut Symposium: Aging, Technology and Innovation. *Technology Track: 68<sup>th</sup> Annual Scientific Meeting Gerontological Society of American Annual Meeting*, Orlando, FL.

Sterns H, Taylor, P, Coduty W, **Heyn PC (2015)**. **Symposium: Supporting Adult and Older Adult Workers Continuing or Returning to Work**. 68<sup>th</sup> Annual Scientific Meeting Gerontological Society of American Annual Meeting, Orlando, FL.

**Heyn P.C. & Chapman S. (2015)**. *New Frontiers for Neurodegenerative Rehabilitation: Maintaining Brain Health and Restoration*. 92<sup>nd</sup> Annual Conference of the American Congress of Rehabilitation Medicine, Dallas, Texas. [Symposium]

**Heyn P.C. et al (2015)**. *Progress and Report of the ACRM Outcome Measurement Networking Group (OMNG) Applied Cognition Task Force (MNG ACTF)*. 92<sup>nd</sup> Annual Conference of the American Congress of Rehabilitation Medicine, Dallas, Texas. [Symposium]

**Heyn P.C. (2015)**. *Balancing Risks and Benefits of Independent Ambulation in Cerebral Palsy Using an Adult Transition Program*. 92<sup>nd</sup> Annual Conference of the American Congress of Rehabilitation Medicine, Dallas, Texas. [Symposium]

Carollo J.C. & **Heyn P.C. (2015)**. *Balancing Risks and Benefits of Independent Ambulation in Cerebral Palsy Using an Adult Transition Program*. 92<sup>nd</sup> Annual Conference of the American Congress of Rehabilitation Medicine, Dallas, Texas. [Symposium]

**Heyn P.C. (2015)**. *Heyn Rehabilitation Research Agenda for TBI*. Palo Alto Veterans Institute for Research (PAVIR). Palo Alto Veterans Administration Hospital, September 08, 2015, California.

**Heyn P.C. et al (2015)**. *Effects of a Mobile-Based Vocational Skill Building Coaching Technology Intervention for People with Cognitive Disabilities: a pilot feasibility study*. RESNA 2015: New Frontiers in Assistive Technology, June 10-14, Denver, CO.

**Heyn, P.C. (2014)**. *Chronic Disease in Aging Adults with Disabilities: Scientific Presentation*. NIH/National Institute of Diabetes and Digestive and Kidney Disease (NIDDK) NMRI West Regional Workshop, Denver, CO.

**Heyn P.C. et al (2013)**. *Approaching Lifelong Disabilities from a Life-Span Perspective to Promote Optimal Aging Through Research*. 65<sup>th</sup> Annual Scientific Meeting of the Gerontological Society of America, New Orleans, LA.

**Heyn P.C. et al (2013)**. *Technology and Aging Interest Group Symposium*. 65<sup>th</sup> Annual Scientific Meeting of the Gerontological Society of America, New Orleans, LA.

**Heyn P.C. (2013)**. *Using Technology to Support Communication with People with Dementia and Their Caregivers*. 65<sup>th</sup> Annual Scientific Meeting of the Gerontological Society of America, New Orleans, LA.

**Heyn P.C.** (2013) *Neurotrophic Growth Markers as an Index of Brain Function in the CNS.*

90<sup>th</sup> Annual Conference of the American Congress of Rehabilitation Medicine, Orlando, Florida.

**Heyn P.C.,** Carollo J., Robertson D. (2013). *Transition to Adulthood in Cerebral Palsy: Does Independent Walking Make a Difference?* 90<sup>th</sup> Annual Conference of the American Congress of Rehabilitation Medicine, Orlando, Florida.

**Heyn P.C.,** McLachlan L., Baumgardner C., Bodine C. (2013). *Mixed-Reality Exercise Effects on Participation of Individuals with Spinal Injuries and Developmental Disabilities: a Pilot.* 90<sup>th</sup> Annual Conference of the American Congress of Rehabilitation Medicine, Orlando, Florida.

**Heyn P.C. et al** (2013). *Approaching Lifelong Disabilities from a Life-Span Perspective to Promote Optimal Aging Through Research.* 65<sup>th</sup> Annual Scientific Meeting of the Gerontological Society of America, New Orleans, LA.

**Heyn P.C. et al** (2013). *Technology and Aging Interest Group Symposium.* 65<sup>th</sup> Annual Scientific Meeting of the Gerontological Society of America, New Orleans, LA.

**Heyn P.C.** (2013). *Using Technology to Support Communication with People with Dementia and Their Caregivers.* 65<sup>th</sup> Annual Scientific Meeting of the Gerontological Society of America, New Orleans, LA.

**Heyn P.C. et al** (2013). *Non-Linear Context-Aware Prompting System (N-CAPS) for Persons with Cognitive Disabilities: a 12-month pilot feasibility study.* Thirteen Annual Coleman Institute National Conference, Broomfield, Colorado.

**Heyn P.C. et al** (2013). *Effects of a Mobile-Based Vocational Skill Building Coaching Technology Intervention for People with Cognitive Disabilities: a 6-month randomized controlled-pilot feasibility study.* Thirteen Annual Coleman Institute National Conference, Broomfield, Colorado.

Sandstrum J., **Heyn P.C. et al** (2013). *Early Developmental Skills Acquisition and Social Assistive Robotics (SARS): A Pilot Investigation of Effectiveness.* Thirteen Annual Coleman Institute National Conference, Broomfield, Colorado.

McGrew G., **Heyn P.C. et al** (2013). *The RERC-ACT Product Testing Laboratory (PTL).* Thirteen Annual Coleman Institute National Conference, Broomfield, Colorado.

**Heyn P.C. et al** (2012). *Evidence-Based Screening for Mental Health Problems in Primary Care,* 65<sup>th</sup> Annual Scientific Meeting of the Gerontological Society of America, San Diego, CA.

**Heyn P.C. et al** (2012). *N-CAPS.* The 12<sup>th</sup> Annual Coleman Institute National Conference, November 02, 2012. Westminster, Colorado.

**Heyn, P.C.** (2011). *Changing Behavior in Older Adults to Optimize Health and Quality of Life: Using Research to Impact Policy*, 32<sup>nd</sup> Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, Washington, D.C.

**Heyn, P.C.** & Buman, M.P. (2011). *Innovative Approaches to Disseminating Findings to Influence Policy*, 32<sup>nd</sup> Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine, Washington, D.C.

**Heyn, P.C.** (2010). *Controversies in Clinical Trials*, Satellite Symposium of the 11<sup>th</sup> International Congress of Behavioral Medicine, Office of Behavioral and Social Sciences Research/NIH, Washington, D.C.

**Heyn, P.C.** (2010). NIH/NIDDK Network of Minority Research Investigators (NMRI); NIH/NIDDK NMRI 8<sup>th</sup> Annual Workshop Award, Bethesda, Maryland.

**Heyn, P.C.** (2009). *Neuroimaging and Metabolic Syndrome in Mild Cognitive Impairment*, American Congress of Rehabilitation Medicine and the American Society of Neurorehabilitation 2009 Joint Meeting.

**Heyn, P.C.** (2009). NIH/NIDDK Network of Minority Research Investigators (NMRI) West Regional Workshop, San Diego, California.

**Heyn, P.C.** (2008). *Physical Exercise and Cognitive Functions in Humans*, III European Symposium on Alzheimer's Disease Prevention sponsored by the International Academy on Nutrition and Aging Conference, New Mexico.

Onofrie, L.V., Wetherington, R. & **Heyn, P.C.** (2008). *Mild Cognitive Impairment and PET: An Evidence-Based Approach to a Case Study*, 2008 Meeting of The American Federation for Medical Research, Carmel, California.

**Heyn, P.C.**, Wetherington, R., Nakamura, T. & Schwartz, R.S. (2007). *Testosterone and Cognition in Older Men*, Second International Conference on Prevention of Dementia, Washington, D.C.

**Heyn, P.C.**, Nakamura, T., Tang, R.A. & Schwartz, R.S. (2007). *Computer Knowledge Effect on Older Adults Computerized Cognitive Test Performance*, Second International Conference on Prevention of Dementia, Washington, D.C.

**Heyn, P.C.** & Etnier, J. (2007). *Can Alzheimer's Disease be Prevented by Lifestyle Interventions*, 54<sup>th</sup> American College of Sports Medicine (ACSM) Annual Meeting, New Orleans, Louisiana.

**Heyn, P.C.** & Schwartz, R.S. (2006). *A systematic comparison of exercise training on cognitively impaired and cognitively intact older adults*, 2006 Western Meeting of the American Federation for Medical Research, Carmel, California.

Showell, S.O., **Heyn, P.C.** & Schwartz, R.S. (2006). *Mechanisms of Endogenous Sex Hormone Mediated Neuroprotection in the Aging Brain: a Systematic Review*, 2006 Western Meeting of the American Federation for Medical Research, Carmel, California.

**Heyn, P.C.** (2005). *Translating Research into Practice: Highlighting Health Disparities Among Older Adults*, 58<sup>th</sup> Annual Scientific Meeting of the Gerontological Society of America, Orlando, Florida.

**Heyn, P.C.** (2005). *Gerotechnology Evidence-based Practice: an Evaluation of Feasibility and Clinical Outcomes*, 58<sup>th</sup> Annual Scientific Meeting of the Gerontological Society of America, Orlando, Florida.

**Heyn, P.C.** (2005). *Andropause seems to be associated with symptoms of memory loss and specific domains of cognitive decline*, 5<sup>th</sup> Leonard Berg Symposium: Antecedent Biomarkers for Early & Preclinical Detection of Alzheimer's Disease, Washington University, St. Louis, Missouri.

Harden, J.T., Green, C., Coppin, A.K. & **Heyn, P.C.** (2005). *NIA Special Populations Initiatives and Alumni Reflections: Lessons Learned Since Summer Institute*, The National Institute of Health National Institute on Aging: Summer Institute on Aging Research, Queenstown, Maryland.

**Heyn, P.C.** & Schwartz, R.S. (2005). *Strength and Endurance Outcomes in Geriatric Rehabilitation: Does Cognitive Impairment Matter?* Presidential Award Session, 2005 American Geriatrics Society Meeting, Orlando, Florida.

**Heyn, P.C.** & Schwartz, R.S. (2005). *A Systematic Examination of Exercise Training Outcomes on Cognitively Impaired and Cognitively Intact Older Adults*, Alzheimer's Association International Conference on Prevention of Dementia, Washington, D.C.

**Heyn, P.C.**, Schwartz, R.S. & Powell, T. (2005). *Effects of Testosterone Supplementation on Cognitive Functioning in Aging Men*, Alzheimer's Association International Conference on Prevention of Dementia, Washington, D.C.

**Heyn, P.C.**, Tang, R., Mukaila, R. & Kuo, Y.F. (2005). *A Comparative Study of Mini-Mental State Exam and the Saint Louis University Mental Status for Detecting Mild Cognitive Impairment*, Alzheimer's Association International Conference on Prevention of Dementia, Washington, D.C.

**Heyn, P.C.**, Tang, R.A. & Raji, M. (2005). *Association of Physical Activity and Visual Impairment in Older Adults*, 52<sup>nd</sup> American College of Sports Medicine (ACSM) Annual Meeting, Nashville, Tennessee.

**Heyn, P.**, Protas, E.J. & Hopman-Rock, M. (2005). *Do Older Adults with Cognitive Impairments in Older Adults*, 52<sup>nd</sup> American College of Sports Medicine (ACSM) Annual Meetings, Nashville, Tennessee.

**Heyn, P.C.**, Abreu, B.C. & Ottenbacher, K. J. (2005). *Mixed-Reality System Provides Leisure Time and Physical Activity For Brain Injury Individuals: A Pilot Study*, 52<sup>nd</sup> American College of Sports Medicine (ACSM) Annual Meeting, Nashville, Tennessee.

**Heyn, P.**, Tang, R., Raji, M.D. & Owen, S. (2004). *Nutritional Patterns Among Eye Care Patients*, 132<sup>nd</sup> Annual Meeting from the American Public Health Association (APHA), Washington, D.C.

Tang, R., **Heyn, P.**, Raji, M.D & Owen, S. (2004). *Quality of Life and Perception of Visual Impairment Among Elders in a General Ophthalmology Clinic*, 132<sup>nd</sup> Annual Meeting from the American Public Health Association (APHA), Washington, D.C.

Abreu, B.C., **Heyn, P.** & Ottenbacher, K.J. (2004). *Exercise Training Benefits for the Elderly: A Meta-Analysis*, Texas Occupational Therapy Association (TOTA), Sugar Land, Texas.

**Heyn, P.** (2004). *Recognizing Cognitive Impairments in Older Adults & Training the Cognitively Impaired*, University of San Francisco, San Francisco, California.

**Heyn, P.**, Protas, E.J. & Kramer, J.M. (2004). *Activity-Dependent Brain Enhancement and Cognitive Function in the Elderly: Exercise & Functional Considerations*, 51<sup>st</sup> American College of Sports Medicine (ACSM) Annual Meeting, Indianapolis, Indiana.

**Heyn, P.**, Abreu, B.C. & Ottenbacher, K.J. (2004). *A Systematic Review of the Effectiveness of Virtual-Reality Interventions on Physical, Mental and Behavioral Outcomes*, The 21<sup>st</sup> Annual Meeting of the American Neurorehabilitation, Ponte Vedra Beach, Florida.

**Heyn, P.**, Abreu, B.C. & Ottenbacher, K.J. (2004). *Evidence-Based Physical Rehabilitation Recommendations for Older People with Alzheimer's Disease and Related Disorders*, The 9<sup>th</sup> International Conference on Alzheimer's Disease and Related Disorders, Philadelphia, Pennsylvania.

**Heyn, P.**, Tang, R.A., Owen, S., Syed, A. & Raji, M. (2004). *Prevalence of Cognitive Impairment in Visually Impaired Elder Texans*, The 9<sup>th</sup> International Conference on Alzheimer's Disease and Related Disorders, Philadelphia, Pennsylvania.

**Heyn, P.** & Hirsch, M. (2004). *Teaching Fitness with the Brain in Mind: an Exercise Program for Older Adults with Memory Impairment*, 2004 AAHPERD National Convention and Exposition, New Orleans, Louisiana.

**Heyn, P.**, Abreu, B.C. & Ottenbacher, K.J. (2003). *A Systematic Review of the Effectiveness of Exercise Training on Dementia*, Special Awards Symposium, Retirement Research Foundation, 131<sup>st</sup> American Public Health Annual Meetings, San Francisco, California.

**Heyn, P.**, Abreu, B.C. & Ottenbacher, K.J. (2003). *National Institute on Disability and Rehabilitation Research Fellows Platform Presentation*, American Congress of Rehabilitation Medicine – American Society of Neurorehabilitation 2003 Joint Conference, Tucson, Arizona.

Abreu, B.C, **Heyn, P.**, Reistetter, T.A. & Ottenbacher, K.J. (2003). *The Effects of the Predictability of an Arm Reaching Task Target on Seated Postural Stability, Reaching Time and Selected Minimum Data Set for Nursing Home Residents*, 7<sup>th</sup> Annual Sealy Center Forum on Aging, Galveston, Texas.

**Heyn, P.**, Abreu, B.C. & Ottenbacher, K.J. (2003). *Physical-Activity Based Virtual Reality: A Psychosocial Ergotherapy Model*, International Workshop on Virtual Rehabilitation (IWVR 2003), Rutgers University, New Jersey,

**Heyn, P.**, Abreu, B.C. & Ottenbacher, K.J. (2003). *Effects of an Exercise Program on Older Females with Alzheimer's Disease*, International Association of Nutrition, Health & Aging (IANA), Albuquerque, New Mexico.

**Heyn, P.** (2003). *Effects of Exercise Training on Individuals with Alzheimer's Disease and Related Disorders*, 50<sup>th</sup> American College of Sports Medicine (ACSM) Annual Meeting, San Francisco, California.

Hirsh, M. & **Heyn, P.** (2003). *The Flexible Brain: Exercise-Dependent Changes of Brain and Behavior Parkinson's Stoke, and Alzheimer's Disease*, 2003 American Association for Health, Physical Education, Recreation, and Dance National Convention and Exposition (AAHPERD), Philadelphia, Pennsylvania.

**Heyn, P.** (2003). *Teaching Fitness with the Brain in Mind: An Exercise Program for Older Adults with Memory Impairments*, 2003 American Association for Health, Physical Education, Recreation, and Dance National Convention and Exposition (AAHPERD), Philadelphia, Pennsylvania.

**Heyn, P.** (2003). *Effects of Exercise Training on Individuals with Alzheimer's Disease and Related Disorders*, 50<sup>th</sup> American College of Sports Medicine (ACSM) Annual Meeting, San Francisco, California.

**Heyn, P.**, Whiteside, J., Witta, L. & Rohter, F. (2002). *Effects of a Wellness-Based Exercise Intervention Program on Alzheimer's Disease*, 49<sup>th</sup> American College of Sports Medicine (ACSM) Annual Meeting, St. Louis, Missouri.

**Heyn, P.** Milchrist, P. & Tame, A. (2002). *Innovative Activity Programs for Individuals with Cognitive Dysfunction and Alzheimer's Disease*, 2002 American Association for Health, Physical Education, Recreation, and Dance National Convention and Exposition (AAHPERD), San Diego, California.

**Heyn, P.** (2002). *Fitness Care: An Innovative Exercise-to-Music Program for the Cognitive Impaired Older Adult*, 28<sup>th</sup> Annual Meeting from the Association for Gerontology in Higher Education (AGHE), Pittsburgh, Pennsylvania.

**Heyn, P.** (2002). *An Innovative Exercise Program for the Moderate Cognitive Impaired Older Adult*, Eastern and Southern Districts AAHPERD Conference, Baltimore, Maryland.

**Heyn, P.** (2001). *Fitness Care: An Instructor Training Workshop for the MCI Older Adult*, 129<sup>th</sup> Annual Meeting from the American Public Health Association (APHA), Atlanta, Georgia.

**Heyn, P.** (2001). *Alzheimer's Disease Fitness Care*, 17<sup>th</sup> Congress of the International Association of Gerontology, Vancouver, Canada.

**Heyn, P.** (1999). *Fitness Instructor Training for the Elderly*, 12<sup>th</sup> Annual International Water Fitness, Aquatics and Aquatics Directors Conference, Ft. Lauderdale, Florida.

**Heyn, P.** (1998). *The Big Picture: Community Wellness Programming that Makes a Difference*, Florida Recreation and Park Association Annual Convention, Haines City, Florida.

**Heyn, P.** (1997). *Creative Aquatic Therapy*, 10<sup>th</sup> Annual International Water Fitness and Aquatics Directions Conference, Santa Barbara, California.

**Heyn, P.,** Rohter, F., Landgon, J., Gergley, G. & Ardell, D. (1995). *Comparative CAD Risk Factor Changes in College Students*, Annual Meeting from the American Medical Association.

## **Colorado**

**Heyn PC,** Zhaoxing P, Carollo JJ (2016). The Cerebral Palsy Adults Transition Study (CPAT): Early Results from the Prospective Health Outcome Cohort. The 16<sup>th</sup> Annual Coleman Institute Conference on Cognitive Disability and Technology, October 06, 2016, Broomfield, Colorado.

Oliveira T, Carollo JJ, Zhaoxing P, **Heyn PC** (2016). Effects of Aging on Seizures Activity in Adults with Cerebral Palsy. The 16<sup>th</sup> Annual Coleman Institute Conference on Cognitive Disability and Technology, October 06, 2016, Broomfield, Colorado.

Machtiger J & **Heyn PC** (2016). Overview of Systematic Review Evaluating Pharmacological Treatment Outcomes on Individuals with TBI. The 16<sup>th</sup> Annual Coleman Institute Conference on Cognitive Disability and Technology, October 06, 2016, Broomfield, Colorado.

**Heyn P.C.** et al (2016). *Subjective vs Objective Outcomes of Memory Function in Young Adults with Cerebral Palsy*. 2016 Rocky Mountain Regional Neuroscience Group Annual Meeting, Anschutz Medical Campus, Aurora, Colorado.

**Heyn P.C.** et al (2015). *Cognitive Function in Young Adults with Cerebral Palsy*. 2015 Rocky Mountain Regional Neuroscience Group Annual Meeting, Anschutz Medical Campus, Aurora, Colorado.

Oliveira T N, **Heyn PC,** Pan Zhaoxing, Robertson DM, Carollo JJ (2014). *Incidence of Seizure Activity in Individuals with Cerebral Palsy – A Proposed Longitudinal Study*. Rocky Mountain Regional Neuroscience Group & Annual Meeting, Anschutz Medical Campus, Aurora, Colorado.

**Heyn P.C.** (2013). *Evidence-Based Research Approaches for the Clinician*. August 5, 2013. Center for Gait and Movement Analysis, The Children's Hospital, Anschutz Medical Campus, Aurora, Colorado.

**Heyn P.C.** (2013). *Grant Writing Workshop for Junior Investigators*. May 15, 2013. Assistive Technology Partners, Denver, Colorado.

**Heyn P.C.** (2012). *Evidence-Based Practice and How to Write a Systematic Review Manuscript for Peer-Review*. June 12, 2012. Center for Gait and Movement Analysis, The Children's Hospital, Anschutz Medical Campus, Aurora, Colorado.

**Heyn P.C.** (2012). *Writing a Systematic Review and Case Study Manuscript for Peer-Review*, Physical Medicine and Rehabilitation Residency Program Grand Rounds, March 27. School of Medicine, Anschutz Medical Campus, Aurora, Colorado.

**Heyn, P.C.** (2012). **Keynote Speaker:** *Physical Activity & Healthy Eating*, May 31, 2012, Bayaud Enterprises Health Fair, Denver, Colorado.

**Heyn, P.C.** (2012). *Cognitive Function and Screening*. 9 Health Fair. April 29, 2012. APEX, Arvada, CO.

**Heyn, P.C.** (2011). *Strategies & Technology to Calm a Fussy Baby*, Assistive Technology Education and Training Workshop Series, Assistive Technology Partners, Denver, Colorado.

**Heyn, P.C.** (2011). *National Memory Screening Day*, Assistive Technology Education and Training Workshop Series, Assistive Technology Partners, Denver, Colorado.

**Heyn, P.C.** (2011). *Prenatal and Neonatal: BDNF*, Pediatrics Department Grand Rounds, School of Medicine, Anschutz Medical Campus, Aurora, Colorado.

**Heyn, P.C.** (2010). *Neurotrophic Markers as an Index of Brain Function*, Neurodevelopmental Disorders and Biomarkers Mini-Symposium, Colorado Intellectual Developmental Disabilities Research Center (IDDRC), School of Medicine, University of Colorado Anschutz Medical Campus, Aurora, Colorado.

**Heyn, P.C.** (2010). *Evidence-Based Rehabilitation Practices*, Physical Medicine and Rehabilitation Residency Program Grand Rounds, School of Medicine, Anschutz Medical Campus, Aurora, Colorado.

**Heyn, P.C.** (2009). *Clinical Symposium for the University of Colorado Hospital*, 10<sup>th</sup> Annual Rehabilitation Medicine Forum, University of Colorado Denver.

**Heyn, P.C.** (2009). 2009 Front Range Neuroscience Annual Meeting, School of Medicine, Anschutz Medical Campus, Aurora, Colorado.

**Heyn, P.C.** (2009). *Cognitive Disability, Inequality and Technology in an Age of Economic Uncertainty*, 9<sup>th</sup> Annual Coleman Institute for Cognitive Disabilities Conference, Denver, Colorado.

**Heyn, P.C.** (2009). American Congress of Rehabilitation and the American Society of Neurorehabilitation 2009 Joint Meeting, Denver, Colorado.

**Heyn, P.C.** (2008). *The Benefits of Physical Activity for Alzheimer's and Cognitive Function*, 19<sup>th</sup> Alzheimer's Association Annual Symposium, Denver, Colorado.

**Heyn, P.C.** (2008). *Can Alzheimer's Disease be Prevented by Exercise Interventions?*, 26<sup>th</sup> Annual Epidemiological Research Exchange, University of Colorado Denver, Denver, Colorado.

**Heyn, P.C.** & Schwartz, R.S. (2006). *Alzheimer's Disease and Exercise Training: The Current State of Knowledge*, 53<sup>rd</sup> American College of Sports Medicine (ACSM) Annual Meeting, Denver, Colorado.

**Heyn, P.C.** (2006). *Alzheimer's Disease and Treatment Considerations*, Department of Psychology, University of Colorado at Colorado Springs, Colorado Springs, Colorado.

**Heyn, P.**, Abreu, B.C. & Ottenbacher, K.J. (2006). *Mixed-Reality System Provides Leisure Time and Physical Activity for Brain Injury Individuals: A Pilot Study*, 53<sup>rd</sup> American College of Sports Medicine (ACSM) Annual Meeting, Denver, Colorado.

Schwartz, R.S., **Heyn, P.C.**, Nakamura, T., et al (2006). *Plasma Testosterone Levels are Associated with Serum Triglycerides and Cognitive Function in Borderline Hypogonadal Men*, 53<sup>rd</sup> American College of Sports Medicine (ACSM) Annual Meeting, Denver, Colorado.

**Heyn, P.C.** (2006). *Alzheimer's Disease: a metabolic syndrome hypothesis and treatment considerations*, School of Medicine for Health & Nutrition (CHN) Annual Seminar Series, University of Colorado at Denver and Health Sciences Center, Denver, Colorado.

**Heyn, P.C.** (2006). *Mild Cognitive Impairment: a target for Alzheimer's prevention and treatment*, School of Medicine Geriatric Medicine Grand Rounds, University of Colorado at Denver and Health Sciences Center, Denver, Colorado.

**Heyn, P.C.** (2005). *Effectiveness of Computer-Based Simulated Environmental Interventions on Physical and Behavioral Rehabilitation Outcomes*, Rehab Science and Engineering Consortium (RSEC), University of Colorado at Denver and Health Sciences Center, Denver, Colorado.

**Heyn, P.C.**, Abreu, B.C. & Ottenbacher, K.J. (2005). *The Effects of Mixed-Reality Computer Systems on Leisure Activity for Brain Injury Individuals: A Pilot Study*, Coleman Institute for Cognitive Disabilities Conference, Pioneering Cognitive Technologies, Boulder, Colorado.

**Heyn, P.C.** & Showell, S.O. (2005). *AD Research: Past, Present, and Future*, The Alzheimer's Association Colorado Chapter: Tree of Hope Reception, Denver, Colorado.

**Heyn, P.,** Abreu, B.C. & Ottenbacher, K.J. (2004). *A Systematic Review of the Effectiveness of Virtual-Reality Interventions on Physical, Mental and Behavioral Outcomes*, Colorado System-Wide Coleman Institute on Enhancing the Quality of Life for People with Cognitive Disabilities through Technology, Denver, Colorado.

**Heyn, P.** (2004). *Prevalence of Cognitive Impairments in Elder from a Ophthalmology Clinic*, 2004-2005 University of Colorado Health Sciences Center Geriatric Grand Rounds, Denver, Colorado.

**Heyn, P.** (2002). *Effects of an Innovative, Music-Based, Motor Learning Exercise Intervention Program on Alzheimer's Disease*, 2002 Joint Conference of the National Council on the Aging and the American Society on Aging (ASA), Denver, Colorado.

### **TEACHING ACTIVITIES (Undergraduate and Graduate)**

**Interprofessional Education Development Instructor and Facilitator. (Heyn PC, 2016-2017).** Interprofessional Education Team Based Learning Module. University of Colorado Anschutz Medicals Campus, Aurora, CO.

**Heyn, PC** (2016). 30<sup>th</sup> Annual Student Research Forum, February, University of Colorado Anschutz Medical Campus, February 4<sup>th</sup>, Aurora, Colorado.

**Ian Prochazka, MD (Course Director)/Patricia C Heyn, PhD (MSA Mentor).** *Mentored Scholarly Activity (MSA) Curriculum - IDPT 5090/6090/7090/8090. (2015-2018).* The Mentored Scholarly Activity – Scholarship for Life-Long Learning: In-depth scholarly project in an academic area of interest related to medicine or health care with the Dr Patricia Heyn mentorship to fulfill the successful completion of the MSTP program School of Medicine Research Track

**Heyn, PC (2009-2016). (Internship Mentor).** Research Training & Internship in Aging, Disability and Rehabilitation. *The Experiential Learning Center.* University of Colorado Denver, Denver, Colorado.

**University of Colorado Denver. Heyn, PC** (2015 & 2016). *Colorado Clinical and Translational Sciences Institute Co-Mentor Program.* The Colorado Clinical and Translational Sciences Institute (CCTSI), School of Medicine, University of Colorado Anschutz Medical Campus, Denver, Colorado.

**Heyn, P.C** (2015). *SOM Medical School. Small Groups Learning.* University of Colorado Anschutz Medical Campus, Denver, Colorado.

**Heyn, P.C** (2015). *SOM Medical School First Week Orientation Program: Thread and Culturally Effective Care Thread.* Humanities, Ethics and Professionalism. University of Colorado Anschutz Medical Campus, Denver, Colorado.

**Heyn, P.C.** (2015). Group facilitator for the campus-wide Interprofessional Orientation Session: “*Professional Qualities and Interprofessional Collaboration*”. University of Colorado Anschutz Medical Campus, Denver, Colorado.

**Heyn, P.C.** (2014). *SOM Medical School First Week Orientation Program: Thread and Culturally Effective Care Thread*. Humanities, Ethics and Professionalism. University of Colorado Anschutz Medical Campus, Denver, Colorado.

**Heyn, P.C.** (2014). Group facilitator for the campus-wide Interprofessional Orientation Session: “*Professional Qualities and Interprofessional Collaboration*”. University of Colorado Anschutz Medical Campus, Denver, Colorado.

**Heyn P.C.** (2013). *Evidence-Based Research Approaches for the Clinician*. August, 2013. Center for Gait and Movement Analysis, The Children’s Hospital, Anschutz Medical Campus, Aurora, Colorado.

**Heyn P.C.** (2013). *Grant Writing Workshop for Junior Investigators*. May, 2013. Assistive Technology Partners, Denver, Colorado.

**Heyn P.C.** (2012). *Evidence-Based Practice and How to Write a Systematic Review Manuscript for Peer-Review*. June, 2012. Center for Gait and Movement Analysis, The Children’s Hospital, Anschutz Medical Campus, Aurora, Colorado.

**Heyn P.C.** (2012). *Writing a Systematic Review and Case Study Manuscript for Peer-Review*, Physical Medicine and Rehabilitation Residency Program Grand Rounds, March, 2012. School of Medicine, Anschutz Medical Campus, Aurora, Colorado.

**Heyn, P.C.** and Cohen A. (2012). *CRN1110: The Resilient Brain: How to Optimize Its Function and Enhance Its Lifespan*. Fall 2012. University of Denver, Denver. CO.

**Heyn, P.C.** (2012). *SOM Medical School First Week Orientation Program: Thread and Culturally Effective Care Thread*. Humanities, Ethics and Professionalism. University of Colorado Anschutz Medical Campus, Denver, Colorado.

**Heyn, P.C.** (2012). Group facilitator for the campus-wide Interprofessional Orientation Session: “*Professional Qualities and Interprofessional Collaboration*”. University of Colorado Anschutz Medical Campus, Denver, Colorado.

**Heyn, P.C.** (2011). *SOM Medical School First Week Orientation Program: Thread and Culturally Effective Care Thread*. Humanities, Ethics and Professionalism. University of Colorado Anschutz Medical Campus, Denver, Colorado.

**Heyn, P.C.** (2009). Group facilitator for the campus-wide Interprofessional Orientation Session: “*Professional Qualities and Interprofessional Collaboration*”. University of Colorado Anschutz Medical Campus, Denver, Colorado.

**Heyn, P.C.** & Melonis, M. (2008-2009). CLSC 6261 *Research Methods and Design in Implementation for Low Incidence Disabilities*, Department of Physical Medicine and Rehabilitation, University of Colorado Denver, Denver, Colorado.

**Heyn, P.C.** (2009) DPTR 8503 *Neuromuscular III*, Graduate School, Physical Therapy Program, University of Colorado Denver.

**Heyn, P.C.** (2008) CRN 1041 *Cognitive Science II: Understanding the Aging Brain*, University of Denver, Denver, Colorado.

**Heyn, P.C.** (2007) CRN 1083 *Cognitive Science I: Fitness for the Aging Brain*, University of Denver, Denver, Colorado.

**Heyn, P.C.** (2006) DPTR 7713 *Cognition, Aging, and Exercise Training*, Physical Therapy Doctoral Program, Department of Physical Medicine and Rehabilitation, School of Medicine, University of Colorado at Denver and Health Sciences Center.

**Heyn, P.C.** (2006) MS1/IDPT5002 *Molecules to Medicine: Bench-to-Bedside*, School of Medicine, University of Colorado at Denver and Health Sciences Center.

**Heyn, P.C.** (2006) *Professional Qualities and Interprofessional Collaboration*, Graduate Program, School of Medicine, University of Colorado at Denver and Health Sciences Center.

**Heyn, P.C.** (2005) MS1/IDPT5002 *Molecules to Medicine: Bench-to-Bedside*, School of Medicine, University of Colorado at Denver and Health Sciences Center.

**Heyn, P.C.** (1997-1998) HSC 1540 *Human Anatomy & Physiology*, College Associate in Sciences Degree, Florida College of Natural Health.

**Heyn, P.C.** (1997-1998) MSS 1282 *Introduction to Allied Modalities*, College Associate in Sciences Degree, Florida College of Natural Health.

**Heyn, P.C.** (1994-2002) Adjunct Professor, PEN 3930, PEM 2930 & PEM 2171, University of Central Florida.

**Heyn, P.C.** (1990-1995) Aquatics and Fitness Instructor Trainer, Recreational Services Department, University of Central Florida.

**Heyn, P.C.** (1988) Elementary School Physical Education Teacher, E.E.P.G. Dr. Luis Arrobas Elementary Public School, Sao Paulo, Brazil.

## POST GRADUATE AND GRADUATE ADVISOR, MENTOR AND SPONSOR

\* = *research award*

**Name:** Sruthi Pandipati Thomas, MD, PhD **Year:** 2015-Present  
**Position & Affiliation:** Pediatric Rehabilitation Resident PGY3, Department of Physical Medicine and Rehabilitation, University of Colorado Anschutz Medical Campus, Aurora, Colorado.  
**Research Project:** Effect on Health and Function in Individuals with Cerebral Palsy as they Transition to Adulthood: A Health Outcomes Study. COMIRB Protocol # 14-0367.

**Name:** Sonya Kim, PhD, CRC **Year:** 2015-Present  
**Position & Affiliation:** Clinical Instructor, Research Scientist, Department of Neurology, Department of Rehabilitation Medicine, NYU School of Medicine, New York.  
**Research Project:** An overview of systematic reviews evaluating outcomes of pharmacological treatments for cognitive, emotional, neurobehavioral, motor dysfunction, and quality of life after traumatic brain injury (TBI) ([http://www.crd.york.ac.uk/PROSPERO/display\\_record.asp?ID=CRD42015017355](http://www.crd.york.ac.uk/PROSPERO/display_record.asp?ID=CRD42015017355))

**Name:** Sandra Kletzel, PhD, **Year:** 2015-Present  
**Position & Affiliation:** Post-Doctoral Research Fellow, Center of Innovation for Complex Chronic Healthcare (CINCCH), Edward Hines, Jr. VA Hospital, Hines, IL.  
**Research Project:** Effects of electronic brain games on older individuals with mild cognitive impairment and dementia: a systematic review  
([http://www.crd.york.ac.uk/prospere/display\\_record.asp?ID=CRD42015023918](http://www.crd.york.ac.uk/prospere/display_record.asp?ID=CRD42015023918))

**Name:** Joseph M. Machtinger, BA\* **Year:** 2015-Present  
**Position & Affiliation:** University of Colorado Denver, Department of Biochemistry, Denver Campus, University of Colorado.  
**Research Project:** Cognitive Outcomes Task Force Workgroups Projects, American Congress of Rehabilitation Medicine. \* Research was awarded with the 2016 AADMD Student Scholar Award

**Name:** Prakriti Joshee, BS **Year:** 2015-2016  
**Position & Affiliation:** University of Colorado Denver, Department of Biology, Denver Campus, University of Colorado.  
**Research Project:** The Rehabilitation Engineering Research Center for Advancing Technologies for Adults with Cognitive Impairments (RERC-ATACI).

**Name:** Tatiana Nunes de Oliveira, MD\* **Year:** 2014-Present  
**Position & Affiliation:** Department of Pediatrics, University of Colorado Anschutz Medical Campus, Aurora, Colorado.  
**Research Project:** The Association of Epilepsy and Cerebral Palsy after Transition to Adulthood (NIH R03 Grant Preparation). \*NIDDK NMRI Award

**Name:** David Robertson, MS **Year:** 2013-2016  
**Position & Affiliation:** Research Associate, Orthopedic Research Institute, Children's Hospital Colorado, Aurora, Colorado.  
**Research Project:** Walking and its Effect on Health and Function in Individuals with Cerebral Palsy as they Transition to Adulthood: A Health Outcomes Study. COMIRB Protocol # 14-0367

**Name:** Joy Cassidy, MS **Year:** 2013-2015  
**Position & Affiliation:** Doctoral Student, Dept. of Speech, Language and Hearing Sciences Institute of Cognitive Science, Center for Neuroscience, University of Colorado at Boulder, Boulder, Colorado.  
**Research Project:** Rehabilitation Engineering Research Center for the Advancement of Cognitive Technologies (RERC-ACT). Joy assisted in the publication of the American Journal of Alzheimer's Disease and Other Dementias (published online 24 April 2014; DOI: 10.1177/1533317514531444).

**Name:** Eduardo Novais, MD **Year:** 2013-2015  
**Position & Affiliation:** Assistant Professor of Orthopaedics, Children's Hospital Colorado, Aurora, Colorado.  
**Research Project:** Risk Factors for the Development of Avascular Necrosis of the Femoral Head Subsequent to Pediatric Treatment of Developmental Dysplasia of the Hip: a meta-analysis

**Name:** Frances Tepolt, MD **Year:** 2012- 2014  
**Position & Affiliation:** Resident Physician, Penn State Hershey Medical Center, Pennsylvania.  
**Research Project:** Posterior Sternoclavicular Joint Injuries in the Adolescent Population: a systematic review

**Name:** Patrick Carry, MS **Year:** 2012-2015  
**Position & Affiliation:** Biostatistics Doctoral Student, Graduate School, Colorado School of Public Health, Aurora, Colorado.  
**Research Project:** Evaluation and Methods of Evidence-Based Practice for Orthopedic Research (Systematic Reviews & Meta-Analysis)

**Name:** Katie Hill, MS **Year:** 2012-2015  
**Position & Affiliation:** Research Associate, Orthopedic Research Institute, Children's Hospital Colorado  
**Research Project:** Evaluation and Methods of Evidence-Based Practice for Orthopedic Research (Systematic Reviews & Meta-Analysis)

**Name:** Chad Baumgardner, BS **Year:** 2013-2014  
**Position & Affiliation:** Bachelors of Science, Human Services & Counseling, Metropolitan State University of Denver, Denver, Colorado.  
**Research Projects:** 1) Spinal Cord Injury Quality of Life and 2) RERC-ACT: Research Projects Development & Design

**Name:** Adrienne Wood, BS **Year:** 2012-2013  
**Position & Affiliation:** Bachelors of Science, Health Care Management, Metropolitan State University of Denver, Denver, Colorado.  
**Research Project:** RERC-ACT: Research Projects Development & Design

**Name:** Ramona Mateas, BS **Year:** 2012  
**Position & Affiliation:** Undergraduate Student, Psychology & Public Health, University of Colorado Denver, Aurora, Colorado.  
**Research Project:** Comprehensive Health Assessment and Motivation Program for Individuals with Disabilities (CHAMP-D)

**Name:** Joan Carli, BS **Year:** 2011-2012  
**Position & Affiliation:** Bachelors of Science, Health Care Management, Metropolitan State University of Denver, Denver, Colorado.  
**Research Project:** Web-Based Survey Development and Design for People with Disabilities

**Name:** Bianca Holley, BS **Year:** 2011  
**Position & Affiliation:** Psychology and Neuroscience Major, Metropolitan State University of Denver, Denver, Colorado.  
**Research Project:** Nonlinear and Linear Context Aware Prompting Systems for Individuals with Cognitive Disabilities.

**Name:** Melinda Bray, BS **Year:** 2010  
**Position & Affiliation:** Undergraduate Student, Mechanical Engineer Major, Colorado School of Mines, Golden, Colorado.  
**Research Project:** Product Testing Lab for Assistive Technology Devices

**Name:** Jerod Dahl, BEng **Year:** 2010  
**Position & Affiliation:** Undergraduate Student, Mechanical Engineering Technology Major, Metropolitan State University of Denver, Denver, Colorado.  
**Research Project:** Product Testing Lab for Assistive Technology Devices

**Name:** Seneca Widley, BS **Year:** 2009-2011  
**Position & Affiliation:** Undergraduate Student, Psychology and Neuroscience Major, Metropolitan State University of Denver, Denver, Colorado.  
**Research Project:** The Effects of EGCg on Cognitive Function: Animal and Human Models

**Name:** Tyler Buchholz, BS, CCC-SLP **Year:** 2010-2013  
**Position & Affiliation:** Undergraduate Student, Speech Language Program, Metropolitan State University of Denver, Denver, Colorado.  
**Research Project:** The Effects of Augmented Alternative Communication Implementation on Down Syndrome and Fragile X Syndrome: a multi-site clinical trial

**Name:** Phyllis Romano, MA, CCC-SLP **Year:** 2009-2010  
**Position & Affiliation:** Graduate Student, University of Colorado Graduate Program in Clinical Sciences and Department of Education Professional Preparatory Grant Fellows, School of Medicine, University of Colorado Denver, Aurora, Colorado.  
**Research Project:** Augmented Alternative Communication Implementation for Young Children Birth to Three Years Old: From Early Identification of Language Delay to Service Delivery

**Name:** Rachel L. May, MA, CCC-SLP **Year:** 2009-2010  
**Position & Affiliation:** Graduate Student, University of Colorado Graduate Program in Clinical Sciences and Department of Education Professional Preparatory Grant Fellows, School of Medicine,

University of Colorado Denver, Aurora, Colorado.

**Research Project:** Augmented Alternative Communication Implementation for Young Children Birth to Three Years Old: From Early Identification of Language Delay to Service Delivery

**Name:** Valerie Knafelc, MA, CCC-SLP

**Year:** 2009-2010

**Position & Affiliation:** Graduate Student, University of Colorado Graduate Program in Clinical Sciences and Department of Education Professional Preparatory Grant Fellows, School of Medicine, University of Colorado Denver, Aurora, Colorado.

**Research Project:** Use and Application of Assistive Device to Promote Literacy in Early Childhood: a systematic review

**Name:** Brian Burne, MSM, OTR

**Year:** 2009-2010

**Position & Affiliation:** Graduate Student, University of Colorado Graduate Program in Clinical Sciences and Department of Education Professional Preparatory Grant Fellows, School of Medicine, University of Colorado Denver, Aurora, Colorado.

**Research Project:** Use and Application of Assistive Device to Promote Literacy in Early Childhood: a systematic review

**Name:** Alison Montana, MS, SPED

**Year:** 2009-2010

**Position & Affiliation:** Graduate Student, University of Colorado Graduate Program in Clinical Sciences and Department of Education Professional Preparatory Grant Fellows, School of Medicine, University of Colorado Denver, Aurora, Colorado.

**Research Project:** Assistive Technology Information and Resources for Autism: a comparison between peer-review literature and the World Wide Web

**Name:** Peggy Kelly, MSM, OTR

**Year:** 2009-2010

**Position & Affiliation:** Graduate Student, University of Colorado Graduate Program in Clinical Sciences and Department of Education Professional Preparatory Grant Fellows, School of Medicine, University of Colorado Denver, Aurora, Colorado.

**Research Project:** Assistive Technology Information and Resources for Autism: a comparison between peer-review literature and the World Wide Web

**Name:** Shea Stoops, OM

**Year:** 2009-2010

**Position & Affiliation:** Osteopathic Medicine Medical Student (OMS-I), Rocky Mountain Vista University of Osteopathic Medicine, Parker, Colorado.

**Research Project:** Brain Derived Neurotrophic Factor as a Marker of Cognitive Function: An Evidence-Based Study

**Name:** Cindy French, OTR

**Year:** 2008

**Position & Affiliation:** Graduate Student, University of Colorado Graduate Program in Clinical Sciences and Department of Education Professional Preparatory Grant Fellows, School of Medicine, University of Colorado Denver, Denver, CO.

**Research Project:** Effects of Social Networking and Assistive Technology on Cerebral Palsy

**Name:** Mandy Hall, MA, CCC-SLP

**Year:** 2008

**Position & Affiliation:** Graduate Student, University of Colorado Graduate Program in Clinical Sciences and Department of Education Professional Preparatory Grant Fellows, School of Medicine, University of Colorado Denver, Denver, Colorado.

**Research Project:** Effects of Social Networking and Assistive Technology on Cerebral palsy: A Case Study

**Name:** Ligia Onofrei, MD \*

**Year:** 2007-2010

**Position & Affiliation:** Medical Student (MS1-4) and National Institute of Health/National Institute of Diabetes and Digestive and Kidney Disease (NIDDK) Medical Student Trainee Fellow (T35NIH/NIDDK), School of Medicine, University of Colorado Denver, Denver, Colorado.

**Research Project:** Comparison of PET Scans and Cognitive Function from Cognitively Intact and Impaired Older Adults

**Name:** Gregory Wing, MS

**Year:** 2007-2010

**Position & Affiliation:** Medical Student (MS2) and National Institute of Health/National Institute of Diabetes and Digestive and Kidney Disease (NIDDK) Medical Student Trainee Fellow (T35NIH/NIDDK), School of Medicine, University of Colorado Denver, Denver, Colorado.

**Research Project:** Testosterone Levels and Metabolic Syndrome on Borderline Hypogonadal Older Men

**Name:** Roxann Wetherington, MS, PhD

**Year:** 2006-2007

**Position & Affiliation:** Psychology Research Assistant, Cognitive Aging Research Laboratory at the Division of Geriatrics Medicine, School of Medicine, University of Colorado Denver, Denver, Colorado.

**Research Project:** The Effects of Pioglitazone on Cognitive Function in Patients with Metabolic Syndrome and Mild Cognitive Impairment, COMIRB # 06-0388

**Name:** Justin Moore

**Year:** 2007

**Position & Affiliation:** Undergraduate Student Research Assistant, Cognitive Aging Research Laboratory at the Division of Geriatrics Medicine, School of Medicine, University of Colorado Denver, Denver, Colorado.

**Research Project:** The Effects of Pioglitazone on Cognitive Function in Patients with Metabolic Syndrome and Mild Cognitive Impairment, COMIRB # 06-0388

**Name:** Liz Tang

**Year:** 2007-2008

**Position & Affiliation:** Undergraduate Student Research Assistant, Cognitive Aging Research Laboratory at the Division of Geriatrics Medicine, School of Medicine, University of Colorado Denver, Denver, Colorado.

**Research Project:** The Effects of Pioglitazone on Cognitive Function and FDG-PET Scans in Patients with Metabolic Syndrome and Mild Cognitive Impairment, COMIRB # 06-0388

**Name:** Timea Schranz **Year:** 2006-2007  
**Position & Affiliation:** Undergraduate Student Research Assistant, Cognitive Aging Research Laboratory at the Division of Geriatrics Medicine, School of Medicine, University of Colorado Denver, Denver, Colorado.  
**Research Project:** The Effects of Pioglitazone on Cognitive Function in Patients with Metabolic Syndrome and Mild Cognitive Impairment, COMIRB # 06-0388 and Testosterone Supplementation and Exercise in Elderly Men, COMIRB # 02-1056

**Name:** Kyle Eugene Johnson, MS \* **Year:** 2006-2007  
**Position & Affiliation:** Medical Student (MS2) and National Institute of Health/National Institute of Diabetes and Digestive and Kidney Disease (NIDDK) Medical Student Trainee Fellow (T35NIH/NIDDK), School of Medicine, University of Colorado Denver, Denver, Colorado.  
**Research Project:** Comparison of Exercise Rehabilitation Outcomes on Cognitively Intact and Impaired Older Adults

**Name:** Yao Schimdt, MS **Year:** 2006-2007  
**Position & Affiliation:** Medical Student (MS2) and National Institute of Health/National Institute of Diabetes and Digestive and Kidney Disease (NIDDK) Medical Student Trainee Fellow (T35NIH/NIDDK), School of Medicine, University of Colorado Denver, Denver, Colorado.  
**Research Project:** The Association between Baseline Testosterone Levels and Obstructive Sleep Apnea on the T.E.A.M. Study Participant – Original research presented at the 2006 NIH/AFAR & STTP Medical Student Geriatrics Scholars Program at the University of California Los Angeles

**Name:** Shabnam Showell, MS\* **Year:** 2005-2006  
**Position & Affiliation:** Medical Student (MS2) and National Institute of Health/National Institute of Diabetes and Digestive and Kidney Disease (NIDDK) Medical Student Trainee Fellow (T35NIH/NIDDK), School of Medicine, University of Colorado Denver, Denver, Colorado.  
**Research Project:** Mechanics of Endogenous Estrogen and Testosterone Medicated Neuroprotection in the Aging Brain

**Name:** Mark R. Mawhinney, MS **Year:** 2006-2007  
**Position & Affiliation:** Medical Student (MS2) and National Institute of Health/National Institute of Diabetes and Digestive and Kidney Disease (NIDDK) Medical Student Trainee Fellow (T35NIH/NIDDK), School of Medicine, University of Colorado Denver, Denver, Colorado.  
**Research Project:** The Association between Baseline Testosterone Levels and Obstructive Sleep Apnea– Original research presented at the 2005 NIH/AFAR & STTP Medical Student Geriatrics Scholars Program at the University of California Los Angeles

**Name:** Mee-Young Im, PhD, RN \* **Year:** 2004-2006  
**Position & Affiliation:** Korean Research Foundation Postdoctoral Fellow, Division of Geriatrics Medicine, School of Medicine, University of Colorado Denver, Denver, Colorado.  
**Research Project:** Testosterone Supplementation and Cognitive Function in Aging Men – Original

research presented at the International meeting of the Prevention of Dementia, June 17-21, 2005, Washington, DC.

**Name:** Sonali S. Singh, MD **Year:** 2002-2004  
**Position & Affiliation:** Resident PGL-2, Department of Ophthalmology, School of Medicine, University of Texas Medical Branch, Galveston, Texas.  
**Research Project:** Prevalence of Cognitive Impairment in Ophthalmic Patients

**Name:** Elba Fernandez, OD **Year:** 2002-2004  
**Position & Affiliation:** Medical Student (MS4), School of Medicine, University of Texas Medical Branch, Galveston, Texas  
**Research Project:** Prevalence of Chronic Diseases in Visually Impaired Elder Texans

**Name:** Ali Akbar Bahrani, MS **Year:** 2002-2004  
**Position & Affiliation:** Medical Student (MS4), School of Medicine, University of Texas Medical Branch, Galveston, Texas  
**Research Project:** Prevalence of Chronic Diseases in Visually Impaired Elder Texans

## RESEARCH GRANTS AND CONTRACTS

### **Institutional Review Board Approved Research Grant Contracts**

**Co-Principal Investigator**, Walking and its Effect on Health and Function in Individuals with Cerebral Palsy as they Transition to Adulthood: A Health Outcomes Study. **COMIRB Protocol # 14-0367**

**Principal Investigator**, The Effects of a Mobile-Based Vocational Skill Building Coaching Technology Intervention for Adults with Cognitive Disabilities: a pilot feasibility study, **COMIRB Protocol # 13-3202**.

**Principal Investigator**, Context-Aware Prompting System (CAPS) for Persons with Cognitive Disabilities: a feasibility pilot study, **COMIRB Protocol # 09-1210**.

**Co-Investigator**, An Exploratory Investigation of the Impact of the Assistive Technology Partners Product Testing Laboratory. **COMIRB Protocol # 11-0674**.

**Co-Principal Investigator**, Comparative Outcomes: Effectiveness of Digital and Synthetic Augmentative Alternative Communication Devices for Children who are Non-speaking with Neurodevelopmental Disabilities, **COMIRB Protocol # 10-0158**.

**Co-Investigator**, Functional and neuroanatomical MRI correlates of spatial and other cognitive domain changes associated with testosterone supplementation in healthy older men. **UCHSC COMIRB # 06-0835**.

**Co- Investigator**, Virtual exercise environment program adherence and enjoyment for people with spinal cord injuries or developmental disabilities--phase 3, **COMIRB# 05-00487**

**Co-Investigator**, Language in Older Adults: Boundary Signals While Walking, 03/04/08. University of North Carolina at Charlotte.

**Co-Investigator**, Prevalence and predictors of mild cognitive impairment in elders of diverse background attending an eye clinic, 10/05/07-Study Completed. **Integreview Ethical Review Board # 2005-01.**

**Principal Investigator**, The Effects of Pioglitazone on Cognitive Function and PET Outcomes in Patients with Metabolic Syndrome and Cognitive Impairment. **UCHSC COMIRB # 06-0388-Closed.**

**Co-Investigator**, Functional MRI and Alzheimer's Disease. **UCHSC COMIRB # 06-0835.**

**Co-Investigator & Study Coordinator**, Testosterone Supplementation and Exercise in Elderly Men, 08/03/04-Study Completed. **UCHSC COMIRB # 02-1056.**

**Principal Investigator**, The Effects of Mixed-Virtual Reality Rehabilitation Program on Persons with Brain Injury from a Post-Acute Center: A Pilot Study, **UTMB IRB # 04-140, 03/16/04-Closed.**

**Co-Investigator & Director of Research Project Development**, Prevalence of Risk Factors for Dementia in Minority Texan Elder With Visual Impairment, **UTMB IRB # 03-280, 10/17/03-Closed.**

### **Current Funding**

**Co-Investigator** (2014-2019). The Rehabilitation Engineering Research Center for Advancing Technologies to Enhance Independence for Adults with Cognitive Impairments (RERC-ATACI), H133E140054. National Institute on Disability, Independent Living, and Rehabilitation Research. Administration for Community Living (ACL), U.S. Dept. of Health and Human Services (HHS). (\$4,750,000).

**Co-Principal Investigator** (2013-2017). Walking and its Effect on Health and Function in Individuals with Cerebral Palsy as they Transition to Adulthood: A Health Outcomes Study, H133G130200, National Institute on Disability, Independent Living, and Rehabilitation Research. Administration for Community Living (ACL), U.S. Dept. of Health and Human Services (HHS). (\$600,000).

**Principal Investigator** (2012-2015). The Effects of a Mobile-Based Vocational Skill Building Coaching Technology Intervention for Adults with Cognitive Disabilities: a pilot feasibility study, (RERC-ACT) H133E090003. U.S. Department of Education, National Institute on Disability and Rehabilitation Research (\$500,000).

COMPLETED

**Co-Investigator** (2009-2014). *Rehabilitation Engineering Research Center for the Advancement of Cognitive Technology* (RERC-ACT) H133E090003, National Institute on Disability and Rehabilitation Research, U.S. Department of Education (\$4,750,000).

**Co-Principal Investigator** (2012-2014). *Early Developmental Skills Acquisition and Socially Assistive Robotics (SARS): A Pilot Investigation of Effectiveness*, (RERC-ACT) H133E090003 U.S. Department of Education, National Institute on Disability and Rehabilitation Research (\$500,000).

**Principal Investigator** (2009-2013). *Context-aware prompting system (CAPS) for persons with cognitive disabilities: a feasibility pilot study*, (RERC-ACT) H133E090003. U.S. Department of Education, National Institute on Disability and Rehabilitation Research (\$500,000).

**Co-Investigator** (2009-2013) *An exploratory investigation of the impact of the Assistive Technology Product Testing Laboratory*, (RERC-ACT) H133E090003. U.S. Department of Education, National Institute on Disability and Rehabilitation Research (\$500,000).

**Co-Principal Investigator** (2009-2010). *Comparative outcomes: Effectiveness of digital and synthetic augmentative alternative communication devices for children who are non-speaking with neurodevelopmental disabilities* NOT-RR-09-005 National Institutes of Health/ NCRR/ NICHD CTSA (\$500,000).

**Co-Investigator** (2008-2011). *Language in older adults: Boundary signals while walking*, University of North Carolina at Charlotte.

**Co-Investigator** (2008-2011). *Pioglitazone & Exercise Effects on Older Adults with Mild Cognitive Impairment & Metabolic Syndrome* 1RO1-AG028746-01A1, National Institute of Health (\$2,500,000).

**Co-Investigator** (2007-2010). *Functional MRI and Alzheimer's disease*, Alzheimer's Association (\$200,000). In kind-support.

**Principal Investigator** (2007-2008) *Pioglitazone & Cognitive Function in Patients with Metabolic Syndrome* 5-R24-HD050838, University of Pennsylvania Center for Experimental Neurorehabilitation Training (CENT) Grant, PI: Michael Selzer, MD (\$30,000).

**Principal Investigator** (2006-2008). *PET scan studies of pioglitazone treatment on cognitive function in older Hispanics and white non-Hispanics with metabolic syndrome and mild cognitive impairment: A pilot*, Application for Support of a New Strategic Research Initiative by the Academic Enrichment Fund (AEF) of the University of Colorado School of Medicine (\$65,000).

**Principal Investigator** (2006-2007). *Effects of pioglitazone on cognitive function in older Hispanics with metabolic syndrome and cognitive impairment*, UCHSC CNRU Pilot & Feasibility Study Grants Program (\$20,000).

**Co-Principal Investigator** (2005-2009). *Prevalence and predictors of mild cognitive impairments in minority older adults: a planning drug trial*, PFIZER Independent Medical Study Grant Program, PI: Rosa A. Tang, MD (\$80,000).

**Principal Investigator** (2005-2007). *The effects of pioglitazone on cognitive function and PET outcomes in patients with metabolic syndrome and cognitive impairment*, University of Colorado SOM Pilot Studies and Deans Enrichment Funds (\$30,000).

**Co-Investigator & Study Coordinator** (2004-2007). *Testosterone supplementation and exercise in elderly men* 1RO1-AGO19339-01-A2, National Institutes of Health, National Institute on Aging, PI: Robert Schwartz, MD (\$1,800,000).

**Postdoctoral Fellowship** (2004-2006). *Research on cognition & aging*, Training Grant in Geriatric Medicine AG00279-04, The National Institute on Aging, Mentor: Robert S. Schwartz, MD (\$45,000).

**Principal Investigator** (2004). *Health status assessment in ophthalmic elderly patients: Physical activity levels and diet*, The Jamail Galveston Foundation (\$8,000).

**Consultant** (2003-2006). *Exercise/language AD rehab: A multi-site clinical trial*, National Institute on Aging/NIH, PI: Sharon Arkin, PhD (\$500,000).

**Principal Investigator** (2003-2005). *The BIVER: the brain injury virtual environment rehabilitation program* H133P9901, National Institute on Disability and Rehabilitation Research Postdoctoral Research Fellowship (\$3,000).

**Principal Investigator** (2003-2005). *The BIVER: the brain injury virtual environment rehabilitation program*, IREX Software (\$25,000).

**Principal Investigator** (2003-2004). *A systematic review of the effectiveness of exercise training and physical activity for people with dementia and related cognitive impairments*, H133P9901, Interdisciplinary Rehabilitation Research Training Program Grant, National Institute on Disability and Rehabilitation Research Postdoctoral Research Fellowship. Mentor: Kenneth J. Ottenbacher (\$45,000 fellowship stipend).

**Co-Investigator & Director of Research Project Development** (2003-2006). *Prevalence of risk factors for dementia in minority Texan elder with visual impairment*, Texas Tobacco Initiative (\$80,000).

**Principal Investigator** (2002-2004) *The effects of mixed-virtual reality rehabilitation program on persons with brain injury from a post-acute center: A pilot study*, Postdoctoral Fellowship.

**Principal Investigator** (2002). *Effects of exercise and wellness intervention on Alzheimer's disease*, Nursing Home Research, University of Central Florida Graduate Student Stipend (\$2,000).

**Principal Investigator** (2001). *Effects of an innovative, music-based, motor learning exercise intervention on Alzheimer's disease*, Doctoral Leadership Development Program, Association of Gerontology in Higher Education and Andrus Foundation (\$5,000).

**Principal Investigator** (2001). *AD fitness care: Fitness instruction for the cognitive impaired older adult*, Graduate Studies Incentive Program, University of Central Florida (\$2,500).

**Program Coordinator** (2000-2001). Teaching Incentive Award, Internationalization of the Curriculum Program, International Studies Department, University of Central Florida (\$2,500).

**Project Director** (1999-2001). *University estacio de sa international lecture series*, Servico de Estudos Superiores e Interdiscilinares, Rio de Janeiro, Brazil (\$36,000).

**Research Laboratory Assistant** (1989-1990). *Vagal function impairment after exercise training*, Conselho Nacional de Pesquisa Heart Institute, University Hospital, School of Medicine and Physical Education, University of Sao Paulo, PI: C.E. Negrao.

## BIBLIOGRAPHY

### Peer-Reviewed Manuscripts McGrew G, in High Impact Journals

1. **Heyn PC**, McGrew G, Reistetter T, Bodine C (under review). Feasibility and Evaluation of an Usability Testing Laboratory Designed to Evaluate Assistive Technologies for Individuals with Cognitive Impairments. *Journal of Rehabilitation and Assistive Technologies Engineering (JRATE)*
2. Krishnan S, York MK, Backus D, **Heyn PC** (In press) Coping with caregiver burnout when caring for a person with a neurodegenerative disease: A guide for caregivers. *Archives of Physical Medicine and Rehabilitation*
3. Yarar-Fisher C; **Heyn PC**; Zanca JM; Charlifue S; Hsieh J; Brienza DM. (In Press) Early Identification of Cardiovascular Diseases in People with Spinal Cord Injury: Key Information for Primary Care Providers. *Archives of Physical Medicine and Rehabilitation*.
4. Kletzel S, Cary M, Ciro C, Berbrayer D, Dawson D, Hoffecker L, Thai M, **Heyn PC** (2016). Brain Gaming: An Abridged User's Guide. *Arch Phys Med Rehabilitation*, July 2016, Vol. 97, Issue 7, p1399–400. (DOI: <http://dx.doi.org/10.1016/j.apmr.2016.03.001>)
5. **Heyn PC**, Hirsch M, York MK, Backus d. (2016) Physical activity literacy and recommendations for the aging brain: a clinician guide. *Arch Phys Med Rehabilitation*, June 2016, Vol. 97, Issue 6, p1045–1047 (DOI: <http://dx.doi.org/10.1016/j.apmr.2016.02.003>)

6. EN Novais, MK Hill, PM Carry, **PC Heyn** (2016) Is Age or Surgical Approach Associated With Osteonecrosis in Patients With Developmental Dysplasia of the Hip? A Meta-analysis. *Clinical Orthopaedics and Related Research*; 474 (5), 1166-1177. PMID: 26472583
7. Zanca JM, **Heyn PC**, Horn S, Charlifue S, Hsieh CJ, Brienza DM, Chen Y, Dyson-Hudson T, Backus D. Evaluating Your Pressure Ulcer Prevention Plan: A problem-solving worksheet for people with spinal cord injury and their health care providers. Secondary Complications and Aging Task Force of the ACRM Spinal Cord Injury Interdisciplinary Special Interest Group. *Arch Phys Med Rehabil*. 2015 Nov;96(11):2089-90. doi: 10.1016/j.apmr.2015.03.001
8. **Heyn PC**, Cassidy JL, Bodine C. (2015). The rehabilitation engineering research center for the advancement of cognitive technologies. *American Journal of Alzheimer's Disease and Other Dementias*. Feb;30(1):6-12.DOI: 10.1177/1533317514531444. PMID: 24771762
9. **Heyn PC** and Bodine C (2015). MMSE to evaluate abilities in mature workers with cognitive impairments. *The Gerontologist (2015) 55 (Suppl 2): 134-135* doi:10.1093/geront/gnv511.14
10. Oliveira T., Carollo J.C., Robertson D., **Heyn P.C.** (2014). Incidence of Epilepsy in Adults with Cerebral Palsy and Secondary Health Outcomes - A Review and Proposed Feasibility Study. *J Neurol Disord* 2014, 2(6): 188. DOI: 10.4172/2329-6895.1000188.
11. **Heyn PC**, Baumgardner C, McLachlan L, Bodine C (2014). Mixed-reality exercise effects on participation of individuals with spinal cord injuries and developmental disabilities: A pilot study. *Top Spinal Cord Inj Rehabil*. 2014 Fall;20(4):338-45. doi: 10.1310/sci2004-338.
12. **Heyn PC** (2014). Cardiovascular Disease Risk Factors and the Risk for Alzheimer's Disease: what can we do to intervene? *Rehabilitation Outlook*; Vol.19 (4), Aug-Sept 2014: <http://www.acrm.org/rehaboutlooksept14/cardiovascular-disease-risk-factors-and-the-risk-for-alzheimers-disease-what-can-we-do-to-intervene/>
13. Tepolt F, Carry PM, **Heyn PC** and Miller NF (2014) Posterior Sternoclavicular Joint Injuries in the Adolescent Population. *Am J Sports Med*. 2014 Oct;42(10):2517-24. doi: 10.1177/0363546514523386. Epub 2014 Feb 25. Review.PMID: 24569702
14. **Heyn P.C.**, Carollo J., Robertson D. (2013). Transition to Adulthood in Cerebral Palsy: Does Independent Walking Make a Difference? *Archives of Physical Medicine and Rehabilitation* Vol. 94, Issue 10, Page e68.
15. Hirsch, M.A., & **Heyn, P.C.** (2011). From communication to community. *Alzheimer's Disease cognitive-communication interventions, Topics in Geriatric Rehabilitation*, 27(4), 253-256.
16. Burne, B., Knaflec, V., Melonis, M., & **Heyn, P.C.** (2011). The use and application of assistive technology to promote literacy in early childhood, *Disability & Rehabilitation: Assistive Technology*, 6(3), 207-213. doi: 10.3109/17483107.2010.522684 PMID: 20923322

17. **Heyn, P.C.**, & Tang, R.A. (2010). Predictors of mild cognitive impairment in elders of diverse background attending an eye clinic, *International Journal of Behavioral Medicine*, Suppl.(17), 300-301.
18. Sauer, A.L., Parks, A., & **Heyn, P.C.** (2010). Assistive technology effects on the employment outcomes for people with cognitive disabilities: A systematic review, *Disability & Rehabilitation: Assistive Technology*, 5(6), 377-391. doi: 10.3109/17483101003746360 PMID: 20392190
19. Barlow, C., Katz, R., Reynolds, G., Greely H., Small, S., **Heyn, P.**, Strobel, G., McArthur, R., & McInerney, M. (2009). Alzheimer research forum live discussion: Can we (should we?) develop “smart drugs” to stave off age-related memory loss?, *Journal of Alzheimer’s Disease*, 17(2), 449-452.
20. **Heyn, P.C.**, & Onofrei, L. (2009). Evidence-based practice for early cognitive impairment detection on older individuals with metabolic syndrome, *Archives of Physical Medicine and Rehabilitation*, 90(10), e21-e22.
21. **Heyn, P.C.**, Johnson, K.E., & Kramer, A.F. (2008). Endurance and strength training outcomes on cognitively impaired and cognitively intact older adults: a meta-analysis, *Journal of Nutrition, Health and Aging*, 12(6), 401-409. PMID: 18548179
22. Kinoshita, J., **Heyn, P.**, Fagan, A., Marlatt, M., Rasgon, N., De la Monte, S., & Lombardo, N.E. (2006). Insulin resistance: a common axis linking Alzheimer’s, depression, and metabolism?, *Journal of Alzheimer’s Disease*, 9(1), 89-93. PMID: 16761360
23. Howard, F., Tang, J., Longo, F., Michaelis, E., Eckstein, J., Strobel, G., **Heyn, P.C.**, Teller, J., Koehn, K.R., Joyce, C., Brewer, G., Kamrini, E., & Kinoshita, J. (2006). Lost in translation? Charting the course in preclinical therapeutic development, *Journal of Alzheimer’s Disease*, 9(4), 449-457.
24. Raji, M., Tang, R.A., **Heyn, P.**, Yong-Fang, K., Owen, S.V., Singh, S., & Ottenbacher, K.J. (2005). Screening for cognitive impairment in older adults attending an eye clinic, *Journal of National Medical Association*, 97(6), 809-814. PMID: 16035580
25. **Heyn P.**, Abreu BC, Ottenbacher KJ (2004). The effects of exercise training on elderly persons with cognitive impairment and dementia: a meta-analysis. *Archives of physical medicine and rehabilitation* 85 (10), 1694-1704
26. Abreu, B.C., **Heyn, P.**, Reistetter, T.A., Basel, B., & Ottenbacher, K.J. (2004). The effects of the predictability of an arm reaching target on seated postural stability, reaching time, and selected minimum data set for nursing home residents, *Physical & Occupational Therapy in Geriatrics*, 22(2), 1-13.

27. **Heyn, P.** (2003). The effects of a multi-sensory exercise program on engagement, behavior, and selected physiological indexes in persons with dementia, *American Journal of Alzheimer's Disease and Other Dementias*, 18(4), 247-251. PMID: 12955790

### **Books & Chapters**

28. **Heyn, P.C.**, & Hall, K.A. (2012). *Lifespan essay*. Encyclopedia of Behavioral Medicine.
29. Abreu, B.C., **Heyn, P.**, Reistetter, T.A., Patterson, R., Bufford, B., Masel, B., & Ottenbacher, K.J. (2007). *Postural control comparisons of able-body horseback riders and riders with brain injury*. Chapter in American Association of Occupational Therapy.
30. Ottenbacher, K.J., **Heyn, P.**, & Abreu, B.C. (2016, 2<sup>nd</sup> Edition). *Meta-analysis*. Chapter in Research in Occupational Therapy: Methods of Inquiry for Enhancing Practice. Kielfhofner, G. (Editor). Philadelphia, PA: F.A. Davis Company.
31. **Heyn, P.** (2002). *A meta-analysis of the effects of exercise training and physical activity on health-related physical fitness, cognitive and physical functioning and behavior of individuals with Alzheimer's disease and related cognitive disorders* (Doctoral dissertation). Available from ProQuest Dissertations and These Databases (Order No. 3069447). University of Central Florida, Orlando, FL.

### **Selected Peer-Reviewed Abstracts Publications in High Impact Journals**

32. Wong J, Janicki J, Ruiz S, Munly K, **Heyn PC** (2016). Lifelong disabilities special interest group session: aging with long-term disabilities: quality of care and health risk factors. *The Gerontologist* (2016) 56 (Suppl 3):471. doi: 10.1093/geront/gnw162.1889
33. **Heyn P**, D Robertson, J Carollo, Z Pan (2016). The Relation Between Common Metabolic Markers and Functional Level in Adults with Cerebral Palsy from the CPAT Study. *Archives of Physical Medicine and Rehabilitation* 97 (10), e124.
34. Thomas SP, Pan Z , Robertson DM , Frickman A , Carollo JJ , **Heyn PC** (2016). Cerebral Palsy Adult Transition (CPAT) Cross-Sectional Study Preliminary Findings: Chronic Pain Correlates with Memory Difficulties in Adults with Cerebral Palsy. *PM & R: the Journal of Injury, Function, and Rehabilitation* [2016, 8(9S): S236] (PMID:27672993)  
**DOI:** 10.1016/j.pmrj.2016.07.266
35. D Robertson, **P Heyn**, Z Pan, J Carollo (2016). Cerebral Palsy Adult Transition Study (CPAT): Health Passport Consultation Follow-up Study. *Archives of Physical Medicine and Rehabilitation* 97 (10), e76
36. D Robertson, M Colip, **P Heyn**, Z Pan, J Carollo (2016). Relationship of Rate of Force Development and Physical Activity in Adults with Cerebral Palsy. *Archives of Physical Medicine and Rehabilitation* 97 (10), e122-e123

37. **Heyn PC** and Bodine C (2015). *MMSE to evaluate abilities in mature workers with cognitive impairments*. *The Gerontologist* (2015) 55 (Suppl 2): 134-135 doi:10.1093/geront/gnv511.14
38. **Heyn PC**, Melonis M, Goldberg A, Bodine C (2015). *Effects of a mobile-coach technology on working adults with cognitive disabilities: a pilot feasibility study*. *The Gerontologist* (2015) 55 (Suppl 2): 381 doi:10.1093/geront/gnv174.04
39. **Heyn PC**, Melonis M, Goldberg A, Bodine C (2015). *Mobile technology and the mature worker with intellectual disability: can it help?* *The Gerontologist* (2015) 55 (Suppl 2): 590 doi:10.1093/geront/gnv302.05.
40. Carollo J., Robertson D, **Heyn P.C.** (2015). *Cerebral Palsy Adult Transition Study (CPAT): Early Results from the Prospective Health Screening Cohort*. *Archives of Physical Medicine and Rehabilitation*, Vol. 96, Issue 10, Page e78. DOI: <http://dx.doi.org/10.1016/j.apmr.2015.08.263>
41. **Heyn P.C.**, Carollo J., Robertson D. (2013). *Transition to Adulthood in Cerebral Palsy: Does Independent Walking Make a Difference?* *Archives of Physical Medicine and Rehabilitation* Vol. 94, Issue 10, Page e68.
42. **Heyn P.C.**, McLachlan L., Baumgardner C., Bodine C. (2013). *Mixed-Reality Exercise Effects on Participation of Individuals with Spinal Injuries and Developmental Disabilities: a Pilot*. *Archives of Physical Medicine and Rehabilitation* Vol. 94, Issue 10, Page e24.
43. **Heyn P.C.** et al (2012). *Evidence-Based Screening for Mental Health Problems in Primary Care*. Supplement: *Journal of the Gerontological Society of America*.
44. **Heyn, P.C.**, & Carollo, J.C (2011, September). *Virtual-reality rehabilitation for individuals with brain injury and strokes*. Paper presented at the 20<sup>th</sup> Annual Meeting of the European Society of Movement Analysis for Adults and Children, Vienna, Austria.
45. **Heyn, P.C.**, & Buman, M.P. (2011). *Innovative approaches to disseminating findings to influence policy*, *Journal of the Society of Behavioral Medicine*, Supplement: April.
46. **Heyn, P.C.**, & Onofrei, L. (2009). *Evidence-based practice for early cognitive detection on older individuals with metabolic syndrome*, *Archives of Physical Medicine and Rehabilitation*, 90(10), e21-e22.
47. **Heyn, P.C.** (2008). *Physical exercise and cognitive function in humans*, *Journal of Nutrition, Health and Aging*, 12(1), 50S.
48. Onofrei, L.V., Wetherington, R., & **Heyn, P.C.** (2008). *Mild cognitive impairment and PET: An evidence-based approach to a case study*, *Journal of Investigative Medicine*, 56(1), 205.
49. Etnier, J., & **Heyn, P.C.** (2007). *Exercise intervention outcomes on cognitive function*, *Medicine & Science in Sports & Exercise*, 39(5) Supplement, 54.

50. Schmidt, Y., **Heyn, P.C.**, Nakamura, T., Ballard, R., & Schwartz, R.S. (2007). Obstructive sleep apnea is associated with baseline testosterone levels in borderline hypogonadal aging men, *Journal of Investigative Medicine*, 55(1), S80.
51. Johnson, K.E., & **Heyn, P.C.** (2007). Exercise intervention outcomes on cognitively impaired and intact older adults, *Journal of Investigative Medicine*, 55(1), S76-S77.
52. **Heyn, P.C.**, Abreu, B.C., Ottenbacher, K.J., & Protas, El J. (2006). The effects of a mixed-reality computer system on leisure activity for brain injury individuals: A pilot study, *Medicine & Science in Sports & Exercise*, 38(5), S567.
53. Schwartz, R.S., **Heyn, P.C.**, Nakamura, T., Hepler, A., Quick, J.A., & Kohrt, W.P. (2006). Plasma testosterone levels are associated with serum triglycerides and cognitive function in borderline hypogonadal older men, *Medicine & Science in Sports & Exercise*, 38(5), S29.
54. **Heyn, P.C.**, & Schwartz, R.S. (2006). Systematic comparisons of exercise training in cognitively impaired and cognitively intact older adults, *Journal of Investigative Medicine*, 54.
55. Showell, S., **Heyn, P.C.**, & Schwartz, R.S. (2006). Mechanisms of endogenous sex hormones mediated neuroprotection in the aging brain, *Journal of Investigative Medicine*, 54.
56. PC Heyn, RS Schwartz, T Powell, MY Im (2005). Effects of testosterone supplementation on cognitive functioning in aging men: A systematic review. *Alzheimer's & Dementia* 1 (1), S59.
57. **PC Heyn** (2005). The Effects of Exercise Rehabilitation on Cognitively Impaired and Cognitively Intact Elderly Patients, *Medicine & Science in Sports & Exercise* 37 (5), S451.
58. **Heyn, P.C.**, Et al (2005). Translating research into practice: Highlighting health disparities among older adult, *Gerontologist*, 45(2), 604-605.
59. **Heyn, P.C.** (2005). Gerontechnology evidence-based practice: An evaluation of feasibility and clinical outcomes, *Gerontologist*, 45(2) 604-605.
60. **Heyn, P.C.**, & Schwartz, R.S. (2005). Strength and endurance outcomes in geriatric rehabilitation: Does cognitive impairment matter?, *Journal of the American Geriatrics Society*, 53(S1), S216-217.
61. **P Heyn**, S Owen, K Ottenbacher, M Raji (2004). Health status assessment in ophthalmic elderly patients: Baseline characteristics of an interdisciplinary model into the prevention and control of chronic diseases. *GERONTOLOGIST* 44, 470-470
62. **Heyn, P.**, Abreu, B.C., & Ottenbacher, K.J. (2004). Evidence-based physical rehabilitation recommendations for older people with Alzheimer's disease and related disorders, *Neurobiology of Aging*, 25(S2), S210.

63. **Heyn, P.**, Abreu, B.C., & Ottenbacher, K. (2004). A systematic review of the effectiveness of virtual-reality intervention on physical, mental and behavioral rehabilitation outcomes, *Neurorehabilitation and Neural Repair*, 17(4), 227-244.
64. **Heyn, P.**, Abreu, B.C., & Ottenbacher, K.J. (2004). The effects of exercise training on dementia: A meta-analysis, *The Archives of Physical Medicine and Rehabilitation*, 85(10), 1694-1704.
65. **Heyn, P.C.**, Tang, R.A., Owen, S., Syed, A., & Raji, M. (2004). Prevalence of cognitive impairment in visually impaired elder Texans, *Neurobiology of Aging*, 25(S2), S307.
66. **Heyn, P.** (2004). Virtual reality therapy: A systematic review of the effectiveness of interventions, *Cyberpsychology & Behavior*, 7(3), 288-289.
67. **Heyn, P.**, Reistetter, T., & Abreu, B. (2003). The use of technology to study environmental regulators on postural stability in nursing home residents, *Gerontologist*, 45(Sp. Iss. 1), 395.
68. **Heyn, P.**, et al (2003). Effects of exercise training on individuals with Alzheimer's disease and related disorders, *Medicine & Science in Sports & Medicine*, 35(5), S351.
69. **Heyn, P.** (2003). Effects of an exercise program on older females with Alzheimer's disease, *The Journal of Nutrition, Health and Aging*, 7(4), 204.
70. **Heyn, P.**, Schlueer, P., Push, M., & Beall, A. (2002). Gerontological applications of virtual environment as a cognitive therapy, *The Gerontologist*, 42(1), 418.
71. **Heyn, P.**, Whiteside, J., Witta, L., & Rohter, F. (2002). Effects of a wellness-based exercise intervention program on Alzheimer's disease, *Medicine & Science in Sports & Exercise*, 34(5), S250.
72. **Heyn, P.** (2001). AD FitnessCare, *International Journal of Experimental, Clinical and Behavioural Gerontology*, 47(1), 519.

### **News Media and Professional Newsletters**

73. Gerontology News (October 2015). The Gerontological Society of America. [https://www.geron.org/images/gsa/gerontologynews/October\\_2015.pdf](https://www.geron.org/images/gsa/gerontologynews/October_2015.pdf)
74. E NEWS (September 24, 2015). American Congress of Rehabilitation Medicine (ACRM NEWS). <http://multibriefs.com/briefs/acrm/ACRM092415.php>
75. Heyn, PC. Article title.(2014) Rehabilitation Outlook: Official publication from the American Congress of Rehabilitation Medicine Rehabilitation published bi-monthly and distributed to aver 2,000 members. Volume 19, NO.5, July/August 2014.

76. Pallarito K . “Can Physical Cues Signal Dementia?” ABC NEWS: HealthDay Press; 16 August. Retrieved on 05/18/2014 from <http://abcnews.go.com/Health/Healthday/story?id=5592134&page=3>

**Non-Referred Publications/Community-Based Dissemination (Portuguese, Spanish & English)**

77. **Heyn, P.** (1997-1999). *Casselberry Community Wellness Newsletter*, City of Casselberry.
78. **Heyn, P.** (1997). Stress and how to manage it, *Brasileiros and Brasileiras Newspaper from the Central Florida Brazilian Association*, 47.
79. **Heyn, P.** (1997). Let’s save the world, *Brasileiros and Brasileiras Newspaper from the Central Florida Brazilian Association*, 46.
80. **Heyn, P.** (1997). The world and you, *Brasileiros and Brasileiras Newspaper from the Central Florida Brazilian Association*, 45.
81. **Heyn, P.** (1997). Cloning, *Brasileiros and Brasileiras Newspaper from the Central Florida Brazilian Association*, 44.
82. **Heyn, P.** (1997). Metabolism and trends, *Brasileiros and Brasileiras Newspaper from the Central Florida Brazilian Association*, 43.
83. **Heyn, P.** (1997). Physical activity – the best medicine for the Year 2000, *Brasileiros e Brasileiras Newspaper from the Central Florida Brazilian Association*, 42.
84. **Heyn, P.** (1996). Our children and drugs – the Orange county public school problem, *Brasileiros e Brasileiras Newspaper from the Central Florida Brazilian Association*, 41.
85. **Heyn, P.** (1996). Orlando health show 96 – a show of hypocrisy, *Brasileiros e Brasileiras Newspaper from the Central Florida Brazilian Association*, 40.
86. **Heyn, P.** (1996). Wellness in Brazil, *Brasileiros e Brasileiras Newspaper from the Central Florida Brazilian Association*, 39.
87. **Heyn, P.** (1995). Manual do curso internacional: Training and motivation, *Servico Social do Comercio (SESC)* Ed. Gerencia de Apoio Operacional & Gerencia de Estudos e Desenvolvimentos, Sao Paulo, Brazil.
88. **Heyn, P.** (1995). Manual do curso internacional: Wellness, atividade fisica, e qualidade de vida, *Servico Social do Comercio (SESC)* Ed. Gerencia de Apoio Operacional & Gerencia de Estudos e Desenvolvimentos, Sao Paulo, Brazil.
89. **Heyn, P.** (1995). Greek wellness: Is the Mediterranean diet or the lifestyle?, *The Greater Orlando Wellness Council Newsletter*, 3.

90. **Heyn, P.** (1994). Aerobic program for preschoolers and children: Intervention for cardiovascular disease risk factor, (Master's thesis submitted), Exceptional and Physical Education Department, University of Central Florida.

## **Administration and Services**

### Administrative

- 11/15 – Present      Chair, Mentoring Program & Committee, Gerontological Society of America (GSA)
- 04/14 – Present      Program & Organizer, NIH NIDDK. The Network of Minority Health Research Investigators (NMRI)
- 01/10 – 03/15      Research Education Director, The Colorado Intellectual & Developmental Disabilities Research Center (IDDRC) School of Medicine, Anschutz Medical Campus
- 07/10 – 12/13      PMR Residency Program. Assisted Dr Jha Amit, director of the PMR residency with the research training of the residency program
- 07/08 - Present      Research Center Coordinator & Methodologist, Rehabilitation Engineering Research Center for the Advancement of Cognitive Technology (RERC-ACT) School of Medicine, Anschutz Medical Campus
- 08/04 - 08/07      Director, Cognitive Aging Research Laboratory (<http://www.uchsc.edu/coa/cog/>) School of Medicine, University of Colorado at Denver & Health Sciences Center
- 08/04 - 08/07      Clinical Trial Coordinator, NIH/NIA R01: Testosterone Supplementation and Exercise in Elderly Men- 5 years study, University of Colorado Health Sciences Center
- 08/03 - 2005      Research Director, Inter-Departmental Research Collaboration on Aging, University of Texas Medical Branch
- 11/01 - 11/02      Coordinator and Founder, First University of Central Florida-Gerontological Society of America (GSA) Campus Section
- 03/99 - 07/00      Director, International Health Education Program, University Estacio de Sa, RJ, Brazil.
- 07/97 - 02/99      Manager, Community Health & Wellness Programs - City of Casselberry.

01/97 - 07/97            Manager, Corporate Wellness Center, Lynx - Central Florida  
Transportation Authority.

Services: Grant Panel and Institutional Review Board

2013 – Present            Peer Reviewer, Division of Humanities and Social Sciences, Swiss National  
Science Foundation (SNSF)

2012 - Present            Grant Panel Reviewer, NIH/ Patient-Centered Outcomes Research  
Institute (PCORI), National Institutes of Health

2011 - Present            Special Section Grant Panel Reviewer, Clinical Trials Review  
Committee (CLTR) Clinical Studies and Training Branch, Office of  
Scientific Review, National Heart, Lung, and Blood Institute (NIH/NHLBI).

2011- Present            Grant Panel Reviewer, NIH/National Institute of Child Health and Human  
Development (NICHD) Loan Repayment Project (LRP). National Institutes of  
Health.

2010 - Present            Grant Panel Reviewer, Information and Intelligent Systems  
Division/Human Centered Computing Program, National Science  
Foundation.

2009 - Present            Grant Panel Reviewer, NIH/ National Institute of Child Health and Human  
Development.

06/05 - Present            Expert Grant Reviewer, National Institute on Disability, Independent Living and  
Rehabilitation Research (NIDILRR), Association for Community Living (ACL)  
USHHS.

01/03 - Present            Grant Reviewer, National Alzheimer’s Association Medical Scientific  
Grant Program.

2008 - Present            Panel Reviewer Member, Colorado Multiple Institutional Review Board.

Committees Involvement and Editorial Responsibilities

2015- Present            Program Committee Member, American Congress on Rehabilitation Medicine  
(ACRM)

2014 - Present            Medical Education Reviewer, Association of American Medical Colleges  
(AAMC)

2014 – Present            Program Committee Member, NIH NIDDKK. The Network of Minority Health  
Research Investigators (NMRI)

2013- Present	Chair, Cognitive Measurements and Outcomes Task Force, American Congress of Rehabilitation Medicine
2013- Present	Committee member, Budget Committee, Faculty Council, University of Colorado
2013- Present	Committee member, Research Advisory Committee, University of Colorado Anschutz Medical Campus
2013 – Present	Member, Communications & Publications Committee, American Congress on Rehabilitation Medicine
2013 – Present	Chair & Co-Chair, Neurodegenerative Disorders Networking Group, American Congress on Rehabilitation Medicine
2013 – Present	Member, Spinal Cord Injury Interest Group, American Congress on Rehabilitation Medicine
2012 – 2014	Committee Member, Women Faculty Committee University of Colorado
2012 - 2014	Chair, Chancellor Ad hoc Salary Committee, Faculty Council, University of Colorado
2011 - 2013	Co-Chair, Special Interest Group on Aging, Society of Behavioral Medicine
2010-2011	Co-Editor, Topics in Geriatric Rehabilitation (TGR Journal), Special Edition: "Exercise and Alzheimer's disease: From neurons to neighborhoods"
2011 - Present	Reviewer, American Journal of Alzheimer's Disease & Other Dementias
2009 - Present	Reviewer, International Journal of Geriatric Psychiatry
2008 - Present	Chair, European & USA Task Force Committee on Physical Activity, Aging Cognition. International Academy on Health and Aging
2007 - Present	Reviewer, Gender Medicine Journal
2006 - Present	Reviewer, Western Journal of Nursing Research
2005 - Present	Reviewer, Archives of Physical Medicine and Rehabilitation (APMR)
2005 - 2009	Reviewer, Journal of the American Geriatrics Society (AGS)
02/06 - Present	Reviewer, Western Journal of Nursing Research
08/04 - Present	Reviewer, Journal of the National Medical Association (NMA)

- 2004 - Present Judge, MSA Capstone presentations and celebration, School of Medicine, University of Colorado
- 2004 - Present Faculty and Judge, Annual Student Research Forum
- 2007 - Present Faculty, Campus-Wide Interprofessional Orientation, School of Medicine, University of Colorado
- 01/05 - 2008 Editorial Member, Psychoneuroendocrinology Journal
- 02/03 - Present Editorial Board Member & Reviewer, Journal of Aging and Physical Activity
- 04/02 - 2009 Editorial Board Member, Council on Aging and Adult Development Newsletter
- 2007 - 2007 Faculty Promotion External Reviewer, University of West Florida,
- 08/07 - 2009 Member of Intern Selection Committee, Residency Training Program in Internal Medicine, University of Colorado at Denver and Health Sciences Center
- 05/06 - 2008 Faculty & Scientific Committee Member, Alzheimer's Disease and Cognition Center, School of Medicine, University of Colorado at Denver & Health Sciences Center
- 10/05 - 12/05 Faculty, Bench-to-Bedside the University of Colorado School of Medicine Curriculum
- 07/05 Faculty & Alumni, National Institutes of Health/National institute on Aging "The Summer Institute on Aging Research."
- 05/05 – 2009 Executive Committee Member, American Geriatric Society Clinical Research in Dementia Special Interest Group.
- 05/05 - 05/06 Co-Chair, Interest Group on Aging, American College of Sports Medicine (ACSM)
- 03/05 - 05/06 Member, Emerging Scholar and Professional Organization of The Gerontological Society of America (GSA)
- 08/04 - 2008 Member, University of Colorado Health Sciences Center Brain & Behavior Interest Group
- 2004 - 2005 Endowed Chair Search Committee Member, Russell Shearn Moody Distinguished Chair in Cognitive & Neurological Rehabilitation, UTMB.

04/02 – 2009	Executive Committee Member, Council on Aging and Adult Development (CAAD) of the American Association for Active Lifestyles and Fitness
05/02 - Present	Member, Interest Group on Aging, American College of Sports Medicine (ACSM)
09/03 - present	Member, Interest Group on Brain Injury, American Congress of Rehabilitation Medicine
02/02 - 02/03	Member, Education and Training Executive Committee, American Society on Aging (ASA).
02/02 - 02/04	Member, Gerontological Health Section Committee (GHS); American Public Health Association (APHA)
11/01 - 11/03	Committee Member, American Society on Aging (ASA) Student Committee.
11/01 - 11/02	Campus Representative, Gerontological Society of America (GSA) Campus Organization.
02/00 - 02/01	Committee Member, International Studies Committee; UCF Teaching Incentive Award Committee.

### *Foreign Languages*

- Spanish (spoken & understanding)
- Portuguese (spoken, written & understanding)
- German (spoken & understanding)

### *Outdoors & Recreational Activities*

- Triathlete: 1994-1999
- Biathlete: 1996- 1999
- Swimmer: 1987 – Present
- Bicyclist: 1987 – Present
- Samba dancer: Lifetime