

## **Faculty Disclosure:**

*In accordance with Accreditation Council for Continuing Medical Education requirements on disclosure, information about relationships of presenters with commercial interests (if any) will be included in materials distributed at the time of the conference.*

## **Speaker Biosketches:**

### **Kelley Anderson, MD**

Kelley Anderson is an assistant professor at the University of Pittsburgh School of Medicine, Department of Orthopaedic Surgery. Dr. Anderson received her medical degree from Lake Erie College of Osteopathic Medicine in Erie, Pa. She completed a residency in family medicine in Pittsburgh at UPMC St. Margaret, and completed her training at The University of Pittsburgh with a fellowship in primary care sports medicine. She is a board-certified primary care sports medicine physician with UPMC Sports Medicine. Her specialties include treatment of musculoskeletal sports-related injuries, and she serves as one of the medical advisors for the UPMC Sports Medicine Concussion Program. Dr. Anderson can also be found at Carnegie Mellon University as the Primary Care Sports Medicine team physician.

*Dr. Anderson is an employee of the University of Pittsburgh and UPMC.*

### **Pamela Dunlap, DPT, NCS**

Pamela Dunlap completed her undergraduate training and earned her Doctor of Physical Therapy degree from the University of Pittsburgh. She is currently the facility director of the Balance and Vestibular Disorders Clinic at the Eye and Ear Institute in Pittsburgh. She works with patients diagnosed with vestibular and balance disorders, including individuals with concussion. She has published research in Gait and Posture and is involved in ongoing research with the UPMC Concussion Program. Ms. Dunlap is a member of the American Physical Therapy Association, Neurology Section, and Vestibular Special Interest Group.

*Dr. Dunlap is an employee of the UPMC Centers for Rehab Services.*

*Dr. Dunlap has the following relevant non-financial relationships to disclose: She has published refereed articles related to the topics being discussed, and she serves as a member of an APTA special interest group related to the topics being discussed.*

### **Joseph M. Furman, MD, PhD, FAAN**

Joseph Furman is a Professor in the Departments of Otolaryngology, Neurology, Bioengineering, and Physical Therapy at the University of Pittsburgh and director of the division of balance disorders at the University of Pittsburgh Medical Center. His education includes an M.D. and a Ph.D. in Bioengineering from the University of Pennsylvania, a residency in neurology at UCLA, and a fellowship in non-surgical otology at the University of Toronto. Dr. Furman's area of expertise is vestibular function and balance disorders. Dr. Furman is a board certified neurologist, a fellow of the American Academy of Neurology and a member of the American Neurological Association. Dr. Furman's clinical activities include the evaluation of patients with dizziness and disequilibrium and consultation neurology. Dr. Furman's research interests include vestibulo-ocular function in older persons, otolith-ocular reflexes, and migraine-related dizziness.

*Dr. Furman is an employee of the Univ. of Pittsburgh and UPMC, and he has served as site PI for an Neurokinetics-funded study related to the topics being discussed.*

*Dr. Furman has the following relevant non-financial relationships to disclose: he serves as a member of American Academy of Neurology and of the American Neurological Association. He has published refereed articles and received grant support related to the topics being discussed.*

### **Theodore Huppert, PhD**

Theodore Huppert is an Associate Professor in the Department of Radiology at the University of Pittsburgh School of Medicine. He is the Director of the NIRS Brain Imaging Laboratory at the University of Pittsburgh. He earned a Ph.D. in Biophysics from Harvard University in 2007. His lab works on the development of non-invasive optical imaging (NIRS) of the human brain, applied to both adults and neonates. His current projects include optical imaging of brain function related to the control of balance and vestibular information, concussion, and urology. His lab works with both optical and multimodal (fMRI, PET, and MEG) methods to understand the biophysics underlying brain activity and function.

*Dr. Huppert is an employee of University of Pittsburgh.*

*Dr. Huppert has the following relevant non-financial relationships to disclose: he serves as a member of American Academy of Neurology and of the American Neurological Association. He has published refereed articles and received grant support related to the topics being discussed.*

### **Robert Kaniecki, MD**

Robert Kaniecki is an Assistant Professor of Neurology at the University of Pittsburgh. He graduated from the University of Notre Dame and attended the Washington University School of Medicine. Following his graduation, he completed his medical and neurology training at Barnes Hospital and Washington University, where he served as chief resident his final year. In 2000 he was appointed Director of the University of Pittsburgh Headache Center. Dr. Kaniecki has authored or co-authored numerous articles, book chapters, and abstracts. His research interests include patient satisfaction with headache treatments, neck pain associated with migraine headache, the overlap between tension and migraine headaches, and outpatient protocols designed to address chronic daily headache. Dr. Kaniecki is a member of numerous professional and scientific societies, including the American Headache Society, the National Headache Foundation, the International Headache Society and the Primary Care Network. Dr. Kaniecki is passionate about headache education and he commits significant time and energy into teaching primary care providers and specialists about headache patients and their management. He has received numerous teaching awards including the National Headache Foundation's Lectureship Award and was the recipient of the prestigious Headache Healthcare Provider of the Year from the National Headache Foundation.

*Dr. Kaniecki is an employee of the University of Pittsburgh and UPMC.*

### **Anthony P. Kontos, PhD**

Anthony Kontos is the Research Director for the UPMC Sports Medicine Concussion Program in the Department of Orthopaedic Surgery at the University of Pittsburgh. Dr. Kontos received his Ph.D. in kinesiology/sport psychology from Michigan State University where he received master's degrees in counseling psychology and exercise science. He completed his B.A. in psychology at Adrian College. His research in sport-related concussion includes psychological issues, neurocognitive and neuromotor effects, imaging studies, dual-task paradigms, and concussion outreach with underrepresented groups. His research is currently funded by the US Army Special Operations Command, National Football League Charities, and the National Operating Committee for Standards of Athletic Equipment. He is the Program Chair of American Psychological Association's Division 47, a member of Association of Applied Sport Psychology, and an associate member of the National Academy of Neuropsychology.

*Dr. Kontos is an employee of University of Pittsburgh.*

*Dr. Kontos has the following relevant non-financial relationships to disclose: He serves as a member of Association of Applied Sport Psychology and an associate member of the National Academy of Neuropsychology, and the American Psychological Association. He has published refereed articles and received grant support related to the topics being discussed.*

### **Gregory F. Marchetti, PT, PhD, CEAS, CWcHCP**

Greg Marchetti is an Associate Professor in the Department of Physical Therapy at Duquesne University. Dr. Marchetti earned an entry level Physical Therapy degree from the University of Maryland and a Master of Science from the School of Health and Rehabilitation Sciences at the University of Pittsburgh. He holds a Ph.D. in epidemiology with an emphasis in non-communicable disease from the Graduate School of Public Health at the University of Pittsburgh. Greg also currently holds an appointment in the School of Medicine, Department of Otolaryngology at the University of Pittsburgh. With expertise in epidemiology, measurement, data management and analysis, Dr. Marchetti has conducted research, published and presented nationally and internationally on the clinical measurement of gait and balance, disorders of balance and vestibular impairment, mild traumatic head injury, chronic disease, chronic pain management, health outcomes. Clinically, Greg serves as physical therapist for the Pittsburgh Catholic Charities Health Care System, a multidisciplinary service dedicated to the service of persons without access to health insurance. He holds specialty certifications in ergonomic assessment and worker's compensation service provision. He is on the editorial board of the Journal of Neurological Physical Therapy, and serves as peer reviewer for numerous academic publications. Greg is a member of the International Association for the Study of Pain.

*Dr. Marchetti is an employee of Duquesne University.*

*Dr. Marchetti has the following relevant non-financial relationships to disclose: He has published refereed articles related to the topics being discussed.*

### **Andrew McCall, MD, PhD**

Andrew McCall is an Assistant Professor in the Department of Otolaryngology at the University of Pittsburgh. He received his undergraduate degree from the University of California, Riverside and his medical degree from the University of California, Los Angeles. Dr. McCall completed residency in the Department of Otolaryngology/Head and Neck Surgery at the University of California, Los Angeles. He completed fellowship in Otology and Neurotology at Harvard Medical School, Massachusetts Eye and Ear Infirmary in Boston, MA. Dr. McCall's specific fields of interest include otology, neurotology, cranial base surgery, disorders of the facial nerve, cochlear implants, acoustic neuromas, meniere's disease, otosclerosis, cholesteatoma, and superior canal dehiscence syndrome.

*Dr. McCall is an employee of the University of Pittsburgh and UPMC.*

*Dr. McCall has the following relevant non-financial relationships to disclose: He has published refereed articles and received grant support related to the topics being discussed.*

### **Anne Mucha, DPT, MS, NCS**

Anne Mucha is Assistant Director of Neurological Services for the Centers for Rehab Services in Pittsburgh, Pennsylvania. She has over 20 years of clinical experience in treating individuals with neurologic conditions and currently works in the UPMC Sports Concussion Program, treating concussed patients who have balance and vestibular dysfunction. She was formerly Facility Director of the Balance and Vestibular Disorders Clinic at the Eye and Ear Institute in

Pittsburgh, and is an adjunct faculty member in the Department of Physical Therapy at the University of Pittsburgh. Anne received her NCS in 2008 from the APTA and is actively involved in ongoing research projects related to the concussion program within the University of Pittsburgh Medical Center. She was recently appointed an at-large expert member of the consultant workgroup on Concussion for the APTA. Anne also is part of the team that created the Neurology Section's Advanced Vestibular Course content.

*Dr. Mucha is an employee of the UPMC Centers for Rehab Services and is a continuing education speaker for Impact Applications, Medbridge and the American Physical Therapy Association.*

*Dr. Mucha has the following relevant non-financial relationships to disclose: she serves on an APTA workgroup whose focus is related to the topics being discussed. She has published referred articles related to the topics being discussed.*

### **Catherine Palmer, PhD**

Catherine Palmer is an Associate Professor in the Department of Communication Science and Disorders at the University of Pittsburgh and serves as the Director of Audiology and Hearing Aids at the University of Pittsburgh Medical Center. Dr. Palmer conducts research in the areas of adult auditory learning post hearing aid fitting and matching technology to individual needs. Dr. Palmer teaches the graduate level amplification courses at the University of Pittsburgh and serves as Editor-in-Chief of Seminars in Hearing. Dr. Palmer opened the Musicians' Hearing Center at the University of Pittsburgh Medical Center in 2003 and has focused a great deal of energy on community hearing health since that time. This work has included a partnership with the Pittsburgh Public Schools and the Pittsburgh Symphony that promotes hearing protection for young and professional musicians.

*Dr. Palmer is an employee of the University of Pittsburgh and UPMC.*

*Dr. Palmer has the following relevant non-financial relationships to disclose: She has published referred articles related to the topics being discussed.*

### **Mark Redfern, PhD**

Mark Redfern is the Vice Provost for Research and Professor, Departments of Bioengineering, Otolaryngology, Physical Therapy, and Rehabilitation Science. He received his PhD in Bioengineering from the University of Michigan in 1988. Dr. Redfern's research is focused in two areas: human postural control and ergonomics. The major goal of the postural research is the prevention of falling injuries by investigating the factors that influence balance. Additional interests involve postural sway responses to physical perturbations, changing visual environments, vibration and electrical stimulation of the vestibular system. His research approach is to develop an understanding of the postural control system towards better identification of balance problems, and to use this knowledge to design safer environments. He consults with industry on ergonomics and workplace design. Dr. Redfern has received several NIH grants in these research areas and has published over 100 refereed articles.

*Dr. Redfern is an employee of the University of Pittsburgh.*

*Dr. Redfern has the following relevant non-financial relationships to disclose: He has published refereed articles and received grant support related to the topics being discussed.*

### **Patrick J. Sparto, PT, PhD**

Patrick Sparto is an Associate Professor in the Departments of Physical Therapy, Otolaryngology and Bioengineering. Dr. Sparto completed his undergraduate training at Ohio State University in 1992 and received his Ph.D. degree from Ohio State University in 1998. Dr. Sparto did his post-graduate work in the Department of Physical Therapy at the University of Pittsburgh from 1997-2000. Dr. Sparto was appointed Assistant Professor in the Departments of

Physical Therapy and Otolaryngology at the University of Pittsburgh in 2000. In 2006, Dr. Sparto was promoted to Associate Professor of Physical Therapy and Otolaryngology. Dr. Sparto's specific fields of interest are the combined effects of aging and vestibular disease on postural control in an effort to reduce the risk of falling in older adults. Dr. Sparto has published over 50 refereed articles.

*Dr. Sparto is an employee of the University of Pittsburgh and UPMC Centers for Rehab Services. Dr. Sparto has the following relevant non-financial relationships to disclose: He has published refereed articles and received grant support related to the topics being discussed.*

### **Jeffrey Staab, MD, MS**

Jeffrey Staab is an Associate Professor of Psychiatry at the Mayo Clinic in Minnesota. His education includes an M.D. from the University of Pittsburgh and an MS in Bioengineering from Carnegie Mellon University. He was the Assistant Chief Resident at the National Naval Medical Center. Dr. Staab's research is in the area of psychosomatic and behavioral medicine, a field that explores problems at the interface of medicine and psychiatry. Current studies are examining factors associated with unexplained physical symptoms, such as chronic dizziness and recurrent spells. Dr. Staab's work in dizziness has helped to define interactions between neurologic and behavioral variables that trigger and sustain persistent dizziness. He and his colleagues described a syndrome of chronic subjective dizziness (CSD) that afflicts many patients in the aftermath of acute vertigo or imbalance. He led the first studies of medications to treat CSD and his colleagues have been on the forefront of developing physical rehabilitation strategies for it.

*Dr. Staab is an employee of the Mayo Clinic.*

### **Nathan Steinhafel, MS, OD, FAAO**

Nathan Steinhafel is a Pediatric Optometrist who received his Doctorate of Optometry degree from the Southern California College of Optometry. He holds a Master's of Science degree in Physiology with an emphasis in Neuro-Physiology from Brigham Young University. He also completed a post doctorate residency at The University of Alabama at Birmingham specializing in pediatrics and binocular vision where he served as a clinical instructor for optometry students.

*Dr. Steinhafel is an employee of Pediatric and Adult Vision Care. Dr. Steinhafel is a continuing education speaker for ImPACT Technologies.*

### **Susan L. Whitney, PT, PhD, NCS, FAPTA**

Susan Whitney is a Professor in the Departments of Physical Therapy and Otolaryngology. Dr. Whitney received her PhD in motor development/motor learning from the University of Pittsburgh and her professional physical therapy education from Temple University in Philadelphia, PA. Currently, she is an associate professor in physical therapy in the School of Health and Rehabilitation Sciences and in the department of otolaryngology in the School of Medicine, University of Pittsburgh. She is the Program Director of the Centers for Rehab Services (CRS) Balance and Vestibular Rehabilitation Center at the University of Pittsburgh Medical Center. Dr. Whitney is supported by an NIH grant from NIDCD to study the use of vibrotactile feedback in people with vestibular dysfunction and has published over 95 refereed papers.

*Dr. Whitney has the following relevant financial relationships to disclose: she is an employee of the University of Pittsburgh, and UPMC Centers for Rehab Services. She is a speaker with the American Physical Therapy Association.*

*Dr. Whitney has the following relevant non-financial relationships to disclose: she serves as a member of Board of the APTA, and she has published refereed articles and received grant support related to the topics being discussed.*

**Bill J. Yates, PhD**

Bill Yates is a Professor in the Departments of Otolaryngology and Neuroscience. Dr. Yates completed his undergraduate training at the University of Florida in 1981 and received his Ph.D. degree from the University of Florida in 1986. He completed his post-graduate work in neurophysiology at The Rockefeller University in New York from 1986-1989. Dr. Yates was an Assistant Professor at The Rockefeller University from 1990-1994. Dr. Yates came to the University of Pittsburgh in 1994. His specific fields of interest are neural control of coordinated oculomotor and skeletomotor movements. Dr. Yates has received several NIH grants in these research areas and has published over 95 refereed articles.

*Dr. Yates is an employee of the University of Pittsburgh.*

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