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* A biography and photo are not available
† Recipient is deceased
CARA L. LEWIS

Cara L. Lewis, PT, PhD, has established an impressive research agenda with clear application to clinical practice in physical therapy, focused on management of hip pain.

Lewis is assistant professor in the Department of Physical Therapy and Athletic Training within Boston University College of Health and Rehabilitation Sciences: Sargent College. She also has appointments in Sargent College’s Department of Health Sciences and in the Clinical Epidemiology Research and Training Unit of the Boston University School of Medicine. Previously, she was a clinician with TheraPlus in Richmond Heights, Missouri, and at Barnes-Jewish Hospital in St Louis. Lewis had a postdoctoral fellowship in kinesiology at the University of Michigan, Ann Arbor, received a PhD in movement science and MS in physical therapy from Washington University in St Louis, and earned a BS in preprofessional studies from the University of Notre Dame.

Lewis’ current work specifically focuses on the interaction between movement, muscle activation patterns, and structure in patients with hip pain. This research covers structural abnormalities such as femoroacetabular impingement (FAI), developmental hip dysplasia, and acetabular labral tears, each of which have been shown to lead to articular cartilage degeneration and eventually the need for total hip replacement. Her goal with this line of research is to determine the movement and muscle activation patterns that contribute to high hip forces and pain, and to design novel physical therapy interventions to reduce joint forces and pain. As hip abduction strength is thought to be a contributing factor in hip pain, Lewis recently completed a study analyzing muscle activation during resisted sidestepping and published the findings in the Journal of Orthopaedic and Sports Physical Therapy. Additionally, she is collaborating with Sandra Shefelbine, PhD, a leader in modeling how forces affect bone growth and adaptation, to understand how structural abnormalities, especially cam FAI, occur in active adolescents. With this knowledge, they will develop specific, evidence-based activity recommendations to reduce the risk of developing cam FAI. Lewis’ work spans the realm of physical therapy, from prevention to intervention, and from bench to bedside, a unique contribution even among her peers of top junior researchers in the physical therapy field. Lewis’ work has and continues to influence clinical care; her article in Physical Therapy, “Acetabular Labral Tears,” has regularly been on the list of most-read articles each month.

She is an active member of APTA’s Orthopaedic Section, Sports Physical Therapy Section, and Section on Research. She recently served as chair of the Eugene Michels Forum Committee for the Section on Research, and is a regular contributor to the online Journal Club for the Hip Special Interest Group of the Sports Physical Therapy Section.

For her accomplishments since completing postdoctoral training and for her continued impact on the care of patients with hip pain, APTA is pleased to present Cara L. Lewis with the Eugene Michels New Investigator Award.

ACKNOWLEDGEMENT:

It is a great honor to receive the Eugene Michels New Investigator Award. The list of past recipients outlines impressive stories of success – success in science, in leadership, and in mentorship. Many on the list have mentored me both formally and informally. Their support and guidance have helped me overcome challenges and continue to persevere both professionally and personally. I would like to thank first and foremost, Shirley Sahrmann who always asked me the right questions to guide me along the path. Her keen clinical eye and constant desire to expand her knowledge and understanding of complex issues continue to motivate my scientific inquiry. I would like to thank my post-doctoral mentor, Dan Ferris, who knew how to challenge me to be the best researcher, mentor, and person I could be. To my current colleagues at Boston University’s College of Health and Rehabilitation Sciences: Sargent College and in the surrounding areas, thank you for your support and commitment to this journey. I would also like to thank my family for the many discussions about computer programming, teaching in and outside the classroom, and scientific inquiry, and most of all for their encouragement, confidence and love. I would not be where I am today without them. I look forward to continuing to live up to this award in the years to come.
LAURA C. SCHMITT

Laura C. Schmitt, PT, MPT, PhD, has dedicated her career toward developing new knowledge regarding the neuromuscular and biomechanical aspects of lower extremity injury, rehabilitation, and performance.

For The Ohio State University, Schmitt is an assistant professor for the Division of Physical Therapy, School of Health and Rehabilitation Sciences, as well as codirector of the Movement Analysis & Performance Research Program. Schmitt holds a postdoctoral degree in sports medicine from the University of Cincinnati and Cincinnati Children’s Hospital Medical Center, PhD in biomechanics and movement science from the University of Delaware, MPT in physical therapy from the University of Delaware, and BA in psychology and biology from the University of Delaware.

The majority of Schmitt’s professional efforts have been focused on knee joint injury as it relates to the development and progression of osteoarthritis. In particular, she focuses on people who have had anterior cruciate ligament reconstruction. Her work is driving the development of new knowledge that is helping to redefine the profession's collective thinking regarding best clinical practices to encourage safe and successful return to sport after injury. Schmitt has established herself as an independent investigator in this field through her work as principal investigator on a string of extramural grants from entities such as the Foundation for Physical Therapy, National Football League Charities Medical Research Program, and the National Institutes of Health with her NRSA F32 postdoctoral award and R21 research award. Schmitt has expanded her research methodology with the use of magnetic resonance imaging to quantify the structural and compositional characteristics of knee articular cartilage. These developing methodologies will supplement her growing database of biomechanical data, in addition to her blended approach using clinical measures, neuromuscular and biomechanical data and imaging to precisely track structural changes.

Schmitt is chair of the Biomechanics Special Interest Group of the Section on Research after serving as vice chair and a member of the section's Educational Strategic Planning Task Force. In addition, she is a member of the Research Committee of the Sports Physical Therapy Section.

In recognition of her broad range of investigative tools and efforts to advance to fundamental understanding of the pathogenesis of post-traumatic knee osteoarthritis, APTA is pleased to present Laura C. Schmitt with the Eugene Michels New Investigator Award.

ACKNOWLEDGEMENT:

I am honored to be recognized by the APTA with the Eugene Michels New Investigator Award. I am humbled and inspired by the previous recipients, a distinguished group of clinician-scientists whose work continues to advance best physical therapy practice. This Award reflects the mentorship and continuous support of many. A special thank you to Lynn Snyder-Mackler and Katherine Rudolph, whose support and confidence in me have been there since the beginning. Thank you to Mark Paterno, Timothy Hewett, John Buford, Deborah Givens, Thomas Best—all of whom have supported my development as a clinician-scientist. I am grateful for the shared camaraderie of many friends and colleagues and the opportunity to work with motivating collaborators, amazing students, and enthusiastic research participants. I thank my parents for their unwavering support. I am beyond blessed to have such a supportive and encouraging partner in life, my husband, Robert Magnussen.
SANGEETHA MADHAVAN, PT, PHD

Sangeetha Madhavan, PT, PhD, as a young investigator, has made exceptional progress in developing and implementing her independent scholarly agenda regarding non-invasive brain stimulation in the stroke population.

Madhavan has been a postdoctoral fellow for the University of Florida’s Sensory Motor Performance Program and the Rehabilitation Institute of Chicago. In addition, she has held teaching and research roles at the University of Iowa. Madhavan received her PhD in rehabilitation science and master’s in physical therapy from the University of Iowa, and bachelor’s in physical therapy from SRM University, Tamil Nadu, India.

At a relatively early stage in her career, Madhavan has made significant progress as an author and researcher. She has published more than 26 papers in high-impact journals on groundbreaking findings in the field of noninvasive brain stimulation as a candidate adjuvant to gait training for stroke survivors. Madhavan is one of the few scientists working to overcome the technical challenges of noninvasive brain stimulation and develop a clinical protocol based on scientific principles. Her research is expected to not only improve scientific knowledge related to brain plasticity and stroke rehabilitation, but also help mitigate the high health-care costs of walking disability in this large group of disabled people. Madhavan uses state-of-the-art neuroimaging techniques, such as transcranial magnetic stimulation and diffusion tensor magnetic resonance imaging, to examine the relationship between structural, neurophysiological, and behavioral measures in patients poststroke to quantify lower-extremity function and prescribe individualized motor therapy to optimize function. Her findings in the European Journal of Neuroscience and Clinical Neurophysiology have helped the profession understand the contribution of the affected and unaffected brain hemispheres post-stroke to lower-limb motor control and strength, and provide the basis for individualized approaches to enhance function. Her recent review article in the Journal of Neurologic Physical Therapy informs physical therapists about recent advances in the field of motor learning, and how they may be applied to neurorehabilitation.

Madhavan joined APTA in 2005. She serves on the review panel for NIDRR and Paralyzed Veterans of America to evaluate highly competitive grant applications, an honor awarded only to expert scientists.

In recognition of Sangeetha Madhavan’s significant research contributions, APTA is pleased to present her with the Eugene Michels New Investigator Award.

ACKNOWLEDGEMENT

I am deeply honored to be selected as a recipient of the Eugene Michels New Investigator Award. I am very privileged to have a supportive family, especially my husband, Dr Arun Jayaraman, who encourages me at every step. I am also grateful for having a wonderful professional network of mentors and colleagues without whom this award would not have been possible. I would especially like to thank Dr Richard Shields, Dr James Stinear and Dr Daniel Corcos for their excellent mentorship and guidance. A special thanks to Dr Edelle Field-Fote for being an inspiring role model. A big thanks to Dr Ross Arena and colleagues in my department for providing me the support and environment to succeed at UIC.
RANDY DALE TRUMBOWER, PT, PHD

Randy Dale Trumbower, PT, PhD, is in the process of building an in-depth program on the use of hypoxia as a tool for restoring function after spinal cord injury (SCI).

Trumbower is assistant professor in the Department of Rehabilitation Medicine's Division of Physical Therapy, Emory University School of Medicine, and a member of the program faculty at Emory's Graduate Division of Biological and Biomedical Sciences. He also holds program faculty appointments at the Georgia Institute of Technology in Biomedical Engineering, Robotics, and Applied Physiology and is a clinical research scientist at the Shepherd Center in Atlanta. Trumbower earned a PhD and MS, both in biomedical engineering, from the University of Connecticut School of Engineering; MS in physical therapy from Duke University; and BS in biology from East Stroudsburg University of Pennsylvania.

Still in his first academic appointment, Trumbower has amassed a significant level of funding. He initiated this funding through a mentored K12 award, targeting a novel method of treatment of SCI (hypoxia) and has been able to transition that K into an R01. In addition, Trumbower has secured funding from the US Department of Defense, the Craig H Neilsen Foundation and the Wings of Life, all known to be competitive funding mechanisms. This portfolio of funding places Trumbower in the top 5% of all junior faculty nationwide. Trumbower has been able to translate his success in grant funding to 10 peer-reviewed manuscripts in such top-tier journals as Neurology, Neuron, Clinical Neurophysiology, Journal of Neurophysiology, and Neurorehabilitation and Neural Repair. In addition, Trumbower has published 11 abstracts associated with national presentations and has quickly established himself as a leader in the field of hypoxia-enhancement of recovery post SCI, with invited presentations and public press interviews that substantiate that reputation.

While completing his postdoctoral degree, Trumbower initiated a monthly newsletter to showcase impactful neurological research; the Neurology Section found the newsletter of such high quality that it chose to include it as part of the section’s communications plan for members. For more than 7 years, Trumbower has continued to put the newsletter together, taking significant time to choose articles to showcase. In addition, Trumbower has served the Neurology Section since 2007 in various roles, including as a member of the membership, research and PR committees, always striving to enhance the section’s interaction with members and help it meet its strategic goals.

APTA congratulates Randy Trumbower on his impressive record of research and is pleased to present him with the Eugene Michels New Investigator Award.

ACKNOWLEDGEMENT

First and foremost, I would like to thank my wife, Suzanne, for her constant love and companionship. Without her, my drive for research would not have been feasible. Second, I would like to acknowledge Dr Steven Wolf for his invaluable support and inspiration during my first years as a junior faculty member at Emory. I admire his passion and vision for our profession, and I am so very fortunate to have him as a colleague and friend. I also would like to acknowledge the unwavering support of my research mentors, Dr Gordon Mitchell, Dr Eric Perrault, and Dr Zev Rymer. I am so very grateful for all their guidance. Finally, I would like to acknowledge my family and friends who provide me reassurance to which I have become accustomed, but will never take for granted.
TERRY L. GRINDSTAFF, PT, PhD, ATC, SCS, CSCS

Terry L. Grindstaff, PT, PhD, ATC, SCS, CSCS, has conducted innovative research in neuromuscular consequences of lower extremity joint injury and test interventions designed to improve patient function and minimize risk for subsequent degenerative joint injury.

Currently assistant professor at Creighton University’s School of Pharmacy and Health Professions in Omaha, Grindstaff formerly served as assistant professor and assistant athletic trainer at the University of Virginia. He received a PhD in Kinesiology from the University of Virginia, DPT from Belmont University, MS in Health and Physical Education from Middle Tennessee State University, and BA in Sports Medicine from Dakota Wesleyan University.

Investigating musculoskeletal injuries using neuroscience methodologies has put Grindstaff’s research on the cutting edge of orthopedic and sports physical therapy translational research. His research has been designed to improve patient function and minimize the risk for subsequent degenerative joint injury. Considered innovative for its examination of the CNS contributions (spinal and supraspinal) to inhibition of muscle function and the injured joint, Grindstaff’s investigation covers a wide range of interventions such as manual therapy, exercise, and modalities for their effects on improving CNS excitability, muscle activation, functional movement (gait and balance), and patient reported outcomes. The findings are leading to rehabilitation strategies that target the sources of inhibition, rather than just targeting the consequences, because the treatment approaches may be fundamentally different based on the underlying mechanisms. Grindstaff received an NIH Research Career Award and grants from the Orthopaedic Section, the Sports Section and the Nebraska Foundation for Physical Therapy.

Grindstaff is involved in APTA’s sports, orthopaedic, and research sections, as well as on the Nebraska Chapter. He is a Physical Therapy reviewer as well as a grant reviewer for the orthopaedic and sports sections. In addition, he is associate editor for the International Journal of Sports Physical Therapy and reviewer for JOSPT.

APTA is proud to recognize and honor Terry Grindstaff’s contributions to the physical therapy profession through research with the EugeneMichels New Investigator Award.

ACKNOWLEDGEMENT

It is an honor to receive the Eugene Michels New Investigator Award. My career accomplishments are possible with an amazing personal and professional support system. I acknowledge my wife Jill and children, Jackson, Greyson, and Pierson, who proved great joy and fulfillment. I would also like to acknowledge my four siblings who have also established successful careers. I thank my parents for valuing education and modeling a strong work ethic coupled with persistence. Research success has been possible with supportive mentors and working with motivated scientists, clinicians, coaches, students and willing study participants. I am fortunate to work at Creighton University which values teaching and scholarship and has supported my development as an educator and researcher. I look to continue to better focus professional efforts and maintain a meaningful work life balance.
Richard B. Souza, PT, PhD, recognized as an authority on the science of injury mechanics of cartilage, lower extremity biomechanics, and injury prevention, has established an independent line of inquiry that is shaping the practice of physical therapy.

Currently, Souza serves as director, Human Performance and Functional Testing Core; director of research, UCSF Human Performance Center; and associate professor for the Department of Physical Therapy and Rehabilitation Science at the University of California, San Francisco. Souza received a PhD in Biokinesiology from the University of Southern California, MPT in physical therapy from Samuel Merritt University, and ATC and BS in Exercise Science from the University of California, Davis.

Souza’s professional objective to understand how loading behaviors influence cartilage, bone, and muscle health of the lower extremity, with the goal of developing and evaluating conservative interventions to improve function and reduce morbidity in athletes, runners, and individuals with osteoarthritis. He is the only faculty member in the UCSF Department of Physical Therapy and Rehabilitation Science to advance from assistant to associate professor in 3 years, plus have appointments in 3 departments and 2 joint graduate programs. Support by the NIH allows Souza the opportunity to carry out research and mentor postdocs, PhD students, graduate students, residents, and DPT and DPTSc students. Currently finishing the second of a 4-year R01 grant evaluating loading behaviors in persons with knee osteoarthritis and healthy controls, Souza’s research findings are expected to result in comprehensive evaluation of knee joint morphology, cartilage composition, and behavioral loading patterns. He also received a Shared Academic Equipment Grant to purchase the Primus RS to measure muscle performance. In his R01 Study, subjects participate in MRI-monitored unloaded and loaded cartilage imaging, trabecular bone imaging, thigh muscle size and fat imaging, and knee joint kinematic imaging. In addition, the subjects participate in 3D kinematics and kinetics during various tasks, functional capability testing, and thigh muscle strength assessment. The data collected over the next 3 years will help to reveal the predictive capabilities of these variables on disease onset and progression.

Souza has been a member of APTA since 1999 and presently serves the association in the California Chapter as a reviewer for the Abstract Review Committee and Grant Review Committee. At the national level, he is a reviewer for the Orthopaedic Section and Section on Research, and chairs the Biomechanics Special Interest Group. He is a past recipient of the California Chapter’s Faculty Publication Award, Student Research Publication Award, and Outstanding Poster Award at the Annual Meeting.

APTA is pleased to recognize Richard Souza’s outstanding contributions to research and clinical outcomes with the Eugene Michels New Investigator Award.

ACKNOWLEDGEMENT

It is an absolute honor to be recognized by APTA as a Eugene Michels New Investigator. The list of past recipients in riddled with profound investigators that lead our community in scientific inquiry. To include my name alongside those is both humbling and motivating. I will strive to live up to the types of accomplishments of these models. My current accomplishments would not be possible without a long list of mentors and supporters that have allowed me to become the scientist I am today. I would like to formally acknowledge a few of my current and previous mentors: Chris Powers, Sam Ward, Kornelia Kulig, Leslie Torbun, Sharmila Majumdar, and Kimberly Topp. Additionally, I must acknowledge my home team for their love and support, my wife Suzie Souza, and our daughters, Gianna and Mikayla.
MARK BOWDEN, PT, PHD

Mark Bowden, PT, PhD, has made significant contributions in research on locomotor rehabilitation following neurological injury.

Dr. Bowden holds appointments as a Research Health Scientist at the Ralph H. Johnson VAMC, Charleston, SC and as an Assistant Professor in the Department of Health Science and Research and the Division of Physical Therapy within the College of Health Professions at the Medical University of South Carolina, Charleston, SC. Additionally, Dr. Bowden is the Coordinator of Post-Professional Physical Therapy Education and Director of the Physical Therapy Neurologic Residency Program at MUSC and is an adjunct Associate Professor in Physical Therapy at Shenandoah University, Winchester, VA. He received a PhD from the Rehabilitation Science Doctoral Program, University of Florida; MS in Physical Therapy from Duke University; and BS in Psychology, also from Duke.

Dr. Bowden’s research examines motor learning as it relates to functional walking recovery after neurological injury. In particular, his work has focused on persons with chronic stroke and spinal cord injury. His methodologies are considered novel and innovative, and his research questions clinically relevant. He has been very successful in obtaining external funding, and he has been recognized by several funding organizations, including the National Institutes of Health and, most recently, the Department of Veteran Affairs. In addition, he has established a strong network of national known collaborators, which resulted in his earning a Veteran’s Affairs Career Development Award to investigate augmentation of locomotor training following stroke. In addition to developing his own line of research, he is co-investigator on two NIH-funded projects. In a short period of time, Dr. Bowden has emerged as a leader in this line of investigation.

An APTA member since 1995, Dr Bowden has served on the Neurology Section and its Telecommunications Committee, and the SCI Special Interest Group. He is a member of the Society for Neuroscience, Society for the Neural Control of Movement and International Society for Posture and Gait Research.

APTA is pleased to recognize Dr Bowden with the Eugene Michels New Investigator Award.

ACKNOWLEDGEMENT

Any early career award reflects directly upon those in mentoring roles and the support offered by the facilities in which awardees have worked, and I am fortunate to have been incredibly blessed on both accounts. I would like to thank Steve Kautz, who is my Chair, mentor, and friend, and who has directed so much of who I have become. I have also been indelibly shaped by my “lifetime mentoring team” including Pam Duncan, Andrea Behrman, and Dobrivoje Stokie. Both the Medical University of South Carolina and the Department of Veterans Affairs have been incredibly supportive of not only my research and career, but also in the development of the rehabilitation research program and its successful collaborations across the medical university and VA communities. Lastly, many thanks to my incredible family, which has sacrificed much and who continue to support my career unfailingly.
Allison Hyngstrom, PT, PhD, is the primary author of “Stroke-Related Changes in Neuromuscular Fatigue of the Hip Flexors and Functional Implications.” Her coauthors were Tanya Onushko, Robert P. Heitz, Anthony Rutkowski, Sandra K. Hunter, and Brian D. Schmit.

The aim of this study was to compare stroke-related changes in hip flexor neuromuscular fatigue of the paretic leg during a sustained isometric submaximal contraction with those of the nonparetic leg and controls, and to correlate fatigue with clinical measures of function. When matching nonparetic target torque, the paretic hip flexors had a shorter time to task failure compared with the nonparetic leg and controls. The time the failure of the paretic leg was inversely correlated with the reduction of hip flexion maximal voluntary contraction torque. Self-selected walking speed was correlated with declines in torque and steadiness. Berg Balance scores were inversely correlated with the force fluctuation amplitude. The conclusion was that fatigue and precision of contraction are correlated with walking function and balance after stroke.


ACKNOWLEDGEMENT

It is truly an honor to receive the Eugene Michels New Investigator award from the APTA. There are many people to thank for their support of my endeavors. My husband and family have been a constant source of encouragement. A special thanks to my thesis advisor, CJ Heckman, who taught me how to become a scientist and continues to inspire me with his creativity and persistence. I am grateful to all the participants in my studies and their tireless enthusiasm to help. Finally, I am thankful for Dr. Pan and Marquette University for providing me with the environment and tools that I need to succeed.
James M. Elliott, PT, PhD, has developed a focused and methodical line of inquiry regarding whiplash injury with implications for evaluation/treatment of conditions resulting in persistent pain states following cervical spine trauma.

Elliott is assistant professor at Northwestern University Department of Physical Therapy and Human Movement Sciences, Feinberg School of Medicine. In addition, he is an affiliate faculty member at Regis University, Department of Physical Therapy, in Denver. He has been a clinician with Belmar Physical Therapy and Therapeutic Management Inc, and was a professional baseball player with the San Diego Padres from 1990 to 1992. Elliott was recently a postdoctoral research fellow in the Centre for Research Excellence in Spinal Pain, Injury and Health, the Centre for Advanced Imaging and the Centre of National Research on Disability and Rehabilitation Medicine at the University of Queensland, Brisbane, Australia. He earned a PhD at the university’s School of Health and Rehabilitation Sciences and Centre for Magnetic Resonance, MSPT from Regis University, and BA from the University of Denver.

Elliott’s research evaluates the morphology and function of the cervical spine musculature in persons with cervical spine pain. In particular, his work has focused on persons who have experienced a whiplash injury. One of his innovative methodologies is using magnetic resonance imaging applications to quantify spinal cord metabolism and degeneration of cervical spine musculature to help explain the complex and varied factors that influence pain responses and functional recovery following whiplash injury. In a short time, Elliott has emerged as a recognized leader in this line of investigation. He has published over 30 peer-reviewed articles that have appeared in 13 different journals, and he has authored numerous abstracts and given many presentations at national and international scientific meetings.

A member of APTA since 1997, Elliott has participated in the Research and Orthopaedic sections and was the Regis University student representative to the Colorado Chapter. He is involved in the International Society for Magnetic Resonance in Medicine, International Association for the Study of Pain, and Institute for the Study and Treatment of Pain.

APTA is pleased to present James M. Elliott with the Eugene Michels New Investigator Award.

ACKNOWLEDGEMENT

It is an honor and privilege to be recognized by APTA as the Eugene Michels New Investigator and to join such prestigious company of past recipients. For this distinction, I am both humbled and grateful. There are many life events and people that have influenced my professional and personal development. I thank my mother and brother for their dependable support and encouraging the value of taking risks. To Gwen Jull for teaching me how to be a researcher, a better physical therapist and a better person. Tim Noteboom, Tim Flynn, and Michele Sterling for consistent mentorship. To Jules Dewald for the opportunity of a lifetime at Northwestern University. To all of the research participants—this would not have been possible without your involvement. To our children and the blessing of your laughter. To Hellie, no one can closely estimate what you have endured to keep us together on our adventures.
EUGENE MICHELS NEW INVESTIGATOR AWARD

JOSHUA A CLELAND, PT, DPT, PHD, OCS, FAAOMPT

Joshua A Cleland, PT, DPT, PhD, OCS, FAAOMPT, is recognized for his sustained record of publication and presentation in the area of spinal disorders, as well as the use of manual therapy inventions for the conservative treatment of spinal and peripheral joint pain.

Dr Cleland is associate professor for the Physical Therapy Program at Franklin Pierce University in Concord, NH, and an affiliate faculty member of Regis University in Denver. Clinical roles at present include research coordinator and clinical II at Rehabilitation Services of Concord (NH) Hospital. He earned his PhD from Nova Southeastern University in Ft Lauderdale, DPT from Creighton University in Omaha, MPT from Notre Dame College in Manchester, NH, and BS in biology from Notre Dame College.

Author or co-author of more than 75 original research manuscripts published in 20 different national and international peer-reviewed journals, Dr Cleland has made a substantial contribution to evidence-based practice guidelines in the area of spinal disorders, as well as the use of manual therapy interventions for the conservative treatment of spinal and peripheral joint pain. In addition to refereed publications, Dr Cleland has also published 38 research abstracts in refereed journals and has been a presenter of more than 25 platform or poster presentations at national meetings and conferences. As a result of his research efforts, Dr Cleland has received national recognition, including the Jack Walker Award (2008), Excellence in Research Award (2004 and 2006), and the George Davies-James Gould Excellence in Clinical Inquiry Award presented in 2006 by the Journal of Orthopaedic and Sports Physical Therapy. While still at the beginning of his formal research career, Dr Cleland has been principal investigator for research grants totaling more than $100,000 from both the Orthopaedic Section and the Foundation of Physical Therapy. For the Orthopaedic Section, Dr Cleland serves as a member of both the Nominating Committee and the Research Committee, and he is a member of the section’s Cervicothoracic Pain and Headache Clinical Guidelines Team.

APTA is pleased to recognize Dr Cleland’s outstanding record of research with the Eugene Michels New Investigator Award.
Christopher M. Powers, PT, PhD, is a prolific scientist who utilizes research as the basis for his arguments of persuasion and change, and a committed educator, researcher, and advocate for the advancement of physical therapy and the patients the profession serves.

Powers holds a number of appointments and positions, including associate professor, director of the Program in Biokinesiology, and co-director of the Musculoskeletal Biomechanics Research Laboratory, all at the University of Southern California. Past posts at the university have included director of the Doctor of Physical Therapy Program and assistant professor, and he held clinical positions with Pathokinesiology Laboratory, Rancho Los Amigos Medical Center in Downey, California, and Dallmeyer Physical Therapy Center, Santa Barbara. Powers earned a PhD in biokinesiology from the University of Southern California, MS in physical therapy from Columbia University, and BA in physical education from the University of California-Santa Barbara.

Having garnered close to $2 million of research grant funding in support of clinical research in musculoskeletal biomechanics, Powers is one of the profession’s most prolific writers and is known for clinically motivated, well-executed, and artfully disseminated scholarly work. Over the past 18 years, he has conducted a systematic approach to understanding the pathomechanics of patellofemoral pain syndrome, which has culminated in an approach to managing the disorder that is fast becoming the standard of care in clinics throughout the world. As a member of APTA’s Advisory Panel on Research, Powers gravitated toward the development of plans for Hooked on Evidence and steered the California Chapter’s Research Special Interest Group toward an unusual and effective attendee list for a research meeting that set the overall direction for the project.

Powers is active in APTA, currently president of the Section on Research, a member of the Orthopaedic Section’s Research Agenda Task Force, media spokesperson, and California Chapter delegate. In addition, he has participated on the Advisory Panel on Research, the Task Group for Basic Science Research, and the Annual Conference Programming: Orthopaedic Subcommittee. At the local level, he is on the Reference Committee, is Legislative Key Contact, and delegate to the House of Delegates. He serves on a number of journal editorial boards, including the Journal of Orthopaedic and Sports Physical Therapy and the Journal of Athletic Training, and has served on the Evidence in Practice Editorial Board and as associate editor of Physical Therapy.

APTA is proud to honor Christopher M. Powers with the Catherine Worthingham Fellow award.
Edelle Field-Fote, PT, PhD is Professor of Physical Therapy and Neurological Surgery, at the University of Miami Miller School of Medicine. She obtained her BS in Physical Therapy and her MS in Epidemiology/Industrial Engineering from the University of Miami. She received her PhD in Movement Science from Washington University in St. Louis, where her doctoral studies investigated motor control in an animal model of spinal cord injury. She completed post-doctoral training at the Miami Project to Cure Paralysis, where she currently directs the Neuromotor Rehabilitation Research Laboratory. The efforts of her laboratory are directed at increasing our understanding of neuroplasticity to optimize treatment strategies and improve function in persons with neurologic conditions.

Dr. Field-Fote’s work has been published in a range of peer-reviewed journals and she is the editor of the textbook Spinal Cord Injury Rehabilitation (FA Davis Publishers, 2009). Her research has been funded by various agencies including the Foundation for Physical Therapy and the National Institutes of Health. She currently serves as a Trustee of the Foundation for Physical Therapy and as Editor-in-Chief of the Journal of Neurologic Physical Therapy. She has served as an elected officer in the Section on Research and in the Neurology Section, as well as Chair of the NIH Musculoskeletal and Rehabilitation Sciences Study Section.
EUGENE MICHELS NEW INVESTIGATOR AWARD

GUY G. SIMONEAU, PT, PHD

Guy G. Simoneau, PT, PhD, has demonstrated professional commitment to the physical therapy profession through his work as an instructor, researcher, and editor-in-chief of the Journal of Orthopaedic & Sports Physical Therapy (JOSPT).

Possessing a strong research record in orthopedics and ergonomics, Dr Simoneau in 2001 accepted the challenge of leading JOSPT into the new century. Observing the changes in technology that were taking place at the time, Dr Simoneau saw potential in JOSPT to have a tremendous impact on and be a greater resource to the physical therapy profession than ever before. Under his leadership, the number of articles published each year has increased steadily, as has the circulation of JOSPT. Additionally, Dr Simoneau has worked to develop an interactive Web site that includes state-of-the-art, easy-to-access features, such as online clinical practice videos.

Dr Simoneau is a professor in the Department of Physical Therapy at Marquette University where he teaches the orthopedic content of the curriculum. He has been a visiting faculty at Griffith University Gold Coast in Australia and the University of Western Australia, and has consulted for a number of clinics, including the Work Injury Care Center in Glendale, WI, and Columbia Hospital in Milwaukee, WI. Dr Simoneau received a PhD in exercise and sport science from the Pennsylvania State University Center for Locomotion Studies, an MS in physical education from the University of Illinois at Champaign-Urbana, and a BS in physical therapy from the University of Montreal in Canada.

A member of the Orthopaedic Section’s task force for the development of a new Research Agenda, Dr Simoneau has also served the association on the Sports Physical Therapy Section Nominating Committee. He was awarded excellence in teaching awards from the Orthopaedic Section in 2000 and Sports Physical Therapy Section in 1998.
LYNN SNYDER-MACKLER, PT, ATC, SCD, SCS, FAPTA

Lynn Snyder-Mackler, PT, ATC, ScD, SCS, FAPTA, has conducted groundbreaking research on functional recovery from anterior cruciate ligament injury and total knee replacement, which has changed physical therapy clinical practice for patients with these diagnoses. She has more than 150 peer-reviewed publications and considered an authoritative figure in her areas of investigation.

Presently adjunct associate research professor, Department of Orthopaedics, Thomas Jefferson University College of Medicine, Philadelphia, Snyder-Mackler was previously faculty and athletics representative at the University of Delaware and visiting researcher to the School of Health and Biomechanics and Movement Sciences, University of Delaware, and has also held academic roles at the Department of Physical Therapy, SHSH, Allegheny University of the Health Sciences, Philadelphia; Rothman Institute, Philadelphia; and Neuromuscular Research Center, Boston University. Snyder-Mackler received her ScD in Applied Anatomy and Physiology from Boston University, MS in Organizational Behavior from the University of Pennsylvania and BA in Quantitative Studies from Johns Hopkins University, Baltimore.

Snyder-Mackler has been investigating functional recovery from knee injury for more than 30 years. Her publications have had a significant impact on clinical practice and research related to physical therapy and rehabilitation of the knee. Early in her career, she demonstrated the benefits of neuromuscular electrical simulation (NMES) for improving quadriceps strength and kinematics of the knee after anterior cruciate ligament reconstruction. Her future studies went on to further elucidate the role of the quadriceps after knee injury and the potential benefits of incorporating NMES into the rehabilitation of patients with knee injury. Through the impact of this research on clinical practice, patients with a variety of knee problems have benefitted from Snyder-Mackler’s work, and she and her team were led to develop clinical practice guidelines for the treatment of knee ligament sprains and knee meniscus and articular cartilage lesions, now widely disseminated and standard for the development of clinical practice guidelines for musculoskeletal conditions treated by PTs.

For APTA, Snyder-Mackler has participated on the sections on Clinical Electrophysiology, Orthopaedics, Research and Sports Physical Therapy. She has held a number of leadership roles in the Section on Research, including president, president-elect, chair of the Nominating Committee and treasurer.
Carolee Weinstein, PT, PhD, FAPTA, is professor of biokinesiology and physical therapy and associate professor of neurology and director of the Motor Behavior and Neurorehabilitation Laboratory at University of Southern California. She is best known for work concerned with the functional neural and behavioral basis of motor control and learning and its relationship to neurorehabilitation. She has published extensively on scientifically derived neurorehabilitation approaches to enhance recovery and repair after adult onset stroke.

Dr. Weinstein serves on the Advisory Board of the NIDRR-funded Rehabilitation Engineering and Research Center in Chicago, and the National Advisory Board on Medical Rehabilitation Research for NIH/NCMRR. She has received several awards from the APTA, including the Eugene Michels New Investigator Award, the Marian Williams Award for Research in Physical Therapy, John H. P. Maley Lectureship, and was elected a Catherine Worthingham Fellow of the APTA.