Ovuokerie Addoh, MBBS, PhD is a PGY4 Resident at the University of Minnesota. He uses principles of translational epidemiology to evaluate the association between physical activity and health outcomes. He is interested in assessing the impact of new advances in neurorehabilitation on functional movement, as well as evidence-based methods for optimizing the connectivity between clinical and community-based support systems for physical activity following acute rehabilitation.

Adenike Adewuyi MD, PhD is a Fellow in Neuromuscular medicine at the McGaw Medical Center of Northwestern University in the Departments of Neurology and Physical Medicine and Rehabilitation. Her research and clinical skills focus on neuromuscular disorders, neurophysiology, bioelectric signal processing, machine learning and motor unit analysis.

Hans Anderson MD, PhD, is a PGY2 Resident at the Medical College of Wisconsin Affiliated Hospitals, Milwaukee, WI in Physical Medicine & Rehabilitation. His research interests are centered on the application of engineering to rehabilitation, neuroprostheses, and neural regeneration.
Ayce Atalay, MD is a PGY4 Resident in the Department of Physical Medicine and Rehabilitation Medicine, Albert Einstein University, Montefiore Medical Center, New York. Her primary research interests include various aspects of geriatric rehabilitation including predictors of mobility, falls, sarcopenia, polypharmacy, hip fractures, and osteoporosis. Dr. Atalay’s previous published studies also included neurologic rehabilitation with a special emphasis on prognostic factors in the outcome of stroke patients.

David Balsar, MD is a Spinal Cord Injury Fellow at the MetroHealth Rehabilitation Institute in Cleveland, Ohio. He is studying the role of task-specific training and motor practice in augmenting neuroplasticity in spinal cord neuromodulation.

Heather M. Barnett, MD, PhD is an acting Assistant Professor in the Department of Rehabilitation Medicine at the University of Washington. Her research interests include health equity in rehabilitation care and rehabilitation after firearm-related trauma.
Allison Bean, MD is an Assistant Professor at the University of Pittsburgh Medical Center. She is currently funded by the University of Pittsburgh Clinical and Translational Sciences KL2 program. Her primary mentor is Fabrisia Ambrosio. Dr. Bean’s research interests are focused on understanding the cellular mechanisms driving tissue degeneration and applying novel regenerative rehabilitation therapeutics in musculoskeletal aging and disease.

Alexandra Beling, MD is a PGY3 Resident at Spaulding Rehabilitation Hospital. Her research interest is in the physiology of exercise and nutrition interventions in rehabilitation, and their effect on metabolic, endocrine, and bone health, as well as functional outcomes.

Roshawn Brown, MD is a PGY2 Resident at the University of Pittsburgh Medical Center, Pittsburgh, PA. His research and clinical skills focus on Sports related rehabilitation and Regenerative medicine with a specific focus on tendon regeneration.
Alexander Chamessian, MD, PhD is a PGY4 Resident at Washington University in St. Louis in the Physical Medicine and Rehabilitation residency program in the Departments of Orthopedic Surgery. His research and clinical interests include the investigation of the molecular and cellular determinants of chronic pain conditions, with a particular focus on peripheral neuropathy. He will be a Pain Medicine fellow at Washington University in the 2023-2024 academic year.

Liang Chen, MD, MPH is a PGY4 Chief Resident physician at Geisinger Health System in the Department of Physical Medicine and Rehabilitation. His research interests include stroke rehab, neuromuscular and regenerative medicine.

Jenny (Cheng-Chuan) Chiang, DO is a PGY3 PM&R Resident at Johns Hopkins. Her research interests include utilizing new video technology for quantifiable motor assessment of gait biomechanics, haptic feedback in upper-limb prosthesis, and rehabilitative technology transfers.
Harman Chopra, MD is a PGY2 Resident at Johns Hopkins University School of Medicine. His research interests include interventional pain and innovative technologies with a focus on the bioavailability and kinetics of therapeutic cannabis.

Kuntal Chowdhary, MD is a PGY4 Administrative Chief Resident (2022) at the University of Pittsburgh Medical Center (UPMC). Her long-term clinical and research interests are in translational sports medicine focused on the development of precision medicine therapeutics and technological solutions.

Amber N. Clark, MD is a board certified Physiatrist and Medical Officer at the Alabama Department of Public Health. Her research interests include the intersection of disability and minority status in the stroke population, health outcomes and health policy.
R. James Cotton, MD, PhD is an Assistant Professor of PM&R at Northwestern University / Shirley Ryan Ability Lab. His research involves wearable sensors and machine learning to develop novel therapeutic approaches for rehabilitation.

Ella D’Amico, MD is a PGY3 Resident at the University of Pittsburgh Medical Center in the Department of Physical Medicine and Rehabilitation. She has an interest in regenerative rehabilitation and lifestyle medicine. She is currently working under the mentorship of Dr. Fabrisia Ambrosio on translational studies aimed to define the mechanism of the multisystemic benefits of exercise in aged individuals, specifically the prevention of cognitive decline and knee osteoarthritis.

Daniel Daneshvar, MD, PhD is an Assistant Professor at Harvard Medical School. His research interests are concussion, chronic traumatic encephalopathy, traumatic brain injury and amyotrophic lateral sclerosis.
**Christina Draganich, DO** is a PGY4 PM&R Resident at the University of Colorado. Her current research focuses on perceived injustice after spinal cord injury (SCI), venous thromboembolism in SCI and brain injury, predictive modeling of ambulatory status in SCI, and healthcare disparities in rehabilitation medicine.

**Reza Ehsanian, MD, PhD**, is a Pain Medicine Fellow in the Department of Anesthesiology and Critical Care Medicine at the University of New Mexico (August 2022-August 2023). In addition to the study of acute and chronic pain states and the interventions used to treat them, his research interests include human embryonic stem cell and functional electrical stimulation interventions to treat spinal cord injury.

**Joshua L. Elkin, MD** is a PGY4 Resident at Emory University in the Department of Rehabilitation Medicine. His research interests include addressing chronic neuropathic pain and motor recovery with spinal cord stimulation in the chronic spinal cord injury patient population.
**Dmitry Esterov, DO** is an Attending Physiatrist and Assistant Professor on staff at Mayo Clinic in Rochester, Minnesota. His research interests include community based, pragmatic clinical trials as well as epidemiological research including understanding risk factors for post traumatic epilepsy and long term cognitive/psychiatric sequela after pediatric TBI.

**James E. Eubanks, MD, MS** is a Physician Fellow in Value-Based Spine and Musculoskeletal Medicine and clinical faculty in the Department of Physical Medicine and Rehabilitation at the University of Pittsburgh Medical Center (UPMC). His research interests include the role of value-based care in addressing the burden of spine-related disorders. Through his fellowship, which is 70% clinical and 30% health policy, he works with the UPMC Health Plan to explore new payment models and the implementation of population health-based clinical models in spine care. He is currently investigating the use of prehabilitation in spine surgery, with a focus on lumbar spinal stenosis.
Alexandra Fogarty, MD is a PGY4 Resident at Washington University in St. Louis. Her main clinical research interest is on biologic markers of chronic pain and understanding the evidence-base for interventional procedures. Her future clinical focus lies within musculoskeletal and pain medicine.

James Gardner, MD is a PGY4 Resident at Vanderbilt University Medical Center in the department of Physical Medicine & Rehabilitation. He is generally interested in studying degenerative musculoskeletal disease, and his current project investigates the genetic risk factors of glenohumeral osteoarthritis.

Prateek Grover, MD, PhD, MHA is an Assistant Professor and Interim Division Chief, Neurorehabilitation Division, Orthopaedic Surgery and Neurology, at Washington University in St. Louis School of Medicine, and Medical Director and Amputation Rehabilitation Program Medical Director, The Rehabilitation Institute of St. Louis, St. Louis, MO. His research interests focus on understanding and systematically improving outcomes for threatened limb loss and post-limb loss rehabilitation using a systems science perspective.
Geoffrey Henderson, MD is a Spinal Cord Injury Medicine Attending at the VA in Syracuse, New York. His research interest focuses on the intersection of medicine and motivational psychology, in the areas of health-related goals and goal pursuit.

Maryam Hosseini, MD is a PGY 5 pain management Fellow at Case Western Reserve University, Metrohealth program. Her research interests include biomechanical interventions for musculoskeletal pain, integrating new technologies to enhance delivery of rehabilitative care.

Justin Huber, MD, MS is an Assistant Professor at the University of Kentucky and attending physician at Cardinal Hill Rehabilitation Hospital. He is currently funded by the University of Kentucky Center for Clinical and Translational Science through a KL2 award to develop and to perform pilot validation of a computer vision approach to kinematic assessment of the post-stroke upper extremity. His research focuses on improving upper extremity outcomes and quality of life for individuals impacted by stroke through user-centered development of assessment, assistive, and rehabilitation technologies.
Prathap Jayaram, MD is the Director of Regenerative Sports Medicine-PMR division and Assistant Professor of Physical Medicine and Rehabilitation. He also holds a secondary appointment in Orthopedic Surgery. Dr. Jayaram is a clinician-scientist who specializes in non-operative sports medicine with a focus on advanced ultrasound and regenerative strategies for tendon and cartilage injuries.

Nicole B. Katz, MD is a PGY2 Resident at Spaulding Rehabilitation Hospital/Harvard Medical School in Boston, Massachusetts. Her research interests include sports medicine with a focus on dance medicine, women's sports medicine, and the Female Athlete Triad. She is also engaged in research on diversity, equity, inclusion, and accessibility in medicine for both physicians and patients.

Emily Kivlehan, MD is an Assistant Professor of PM&R at the Shirley Ryan Abilitylab / Northwestern University Feinberg School of Medicine. Her research and clinical skills focus on early detection and intervention of cerebral palsy and acquired brain injuries in the pediatric population.
Barbara Kozminski, MD is a PGY4 Resident at the University of Washington. Her primary research interests include leveraging technology to elevate rehabilitation care.

Rondy Michael Lazaro, MD is an Assistant Professor at the University of Rochester. His research interests include epidemiologic and biomechanical study of risk factors and treatment outcomes for lower extremity overuse injuries.

Augustine Lee, MD is an attending physiatrist at the Shepherd Center Spine and Pain Institute and Adjunct Associate Professor of Rehabilitation Medicine at Emory School of Medicine. His research interest focuses on advancing the characterization, prevention, and treatment of symptomatic degenerative cervical spondylosis.
among patients with spinal cord injury, including its relationship with degenerative shoulder pathology, potentially unique disease course, and biomechanical underpinnings.

**Christoher Lewis, MD** is the Academic Chief Resident (PGY4) at the McGaw Medical Center of Northwestern University / Shirley Ryan AbilityLab and incoming Clinical Informatics Fellow at the University of Washington. His research during residency includes retrospective cohort analyses of patients who receive cancer rehabilitation and post-COVID-19 rehabilitation. He is interested in the scientific domain of clinical informatics and leveraging patient and hospital data to develop evidence-based clinical decision support tools to be used in the rehabilitation setting.

**Joshua Lewis, MD, PhD** is a PGY2 Resident at the Montefiore Medical Center/Albert Einstein University, Bronx NY. His research focus is on epigenetic mechanisms involved in various pain pathologies and their possible application to both current and emerging therapies.
Gerard Limerick, MD, PhD is a Clinical Instructor in the Department of Physical Medicine and Rehabilitation and an NRSA T32 Postdoctoral Research Fellow in the Department of Anesthesiology and Critical Care Medicine at Johns Hopkins. His research interests lie in the area of studying and developing targets for the treatment of neuropathic pain.

Brendan McNeish, MD is a Physiatrist specializing in Physical Medicine and Rehabilitation and Neuromuscular Medicine. He is an Assistant Professor at the University of Pittsburgh School of Medicine and is a funded Pepper Scholar from the Pittsburgh Pepper Center. His research interests are in the underlying causes of mobility disability in aging adults and cancer survivors. Specifically, he is interested in investigating how neuromuscular and cognitive capacities change with aging and cancer and how they are associated with changes in balance, gait, falls, and quality of life.
Amanda Morrow, MD is an Assistant Professor in the Johns Hopkins Department of Physical Medicine and Rehabilitation, specializing in pediatric rehabilitation medicine. Her research focuses on advancing the care and rehabilitation of children and adolescents with long COVID.

Andrew Park, MD is a SCI Physician and Researcher at Craig Hospital and University of Colorado Department of PM&R. His research interest is on biomarkers of vascular dysfunction after SCI with a focus on immunologic changes and extracellular vesicles.

Benjamin Petrie, MD is a PGY3 PMR Resident at Northwestern University McGaw Medical Center (Shirley Ryan AbilityLab) in Chicago, Illinois. His research focuses on using big data analytics to solve clinically relevant questions within physiatry. He is interested in spinal cord injury medicine and intends to pursue a fellowship in SCI.
Shanti Pinto, MD is an Assistant Professor of the Department of Physical Medicine and Rehabilitation at the University of Texas Southwestern Medical Center. Her research interests include autonomic nervous system dysfunction following TBI.

Syed Qadri, MD is a PGY2 Resident at the Medstar Health/National Rehabilitation Hospital in Washington, DC. His research interests include neurorehabilitation with a particular focus on neuroplasticity and utilizing cutting-edge methods in biochemistry, electrophysiology, and imaging to explore and leverage this phenomenon for translational recovery.
Evelyn Qin, MD, MPH is a PGY4 and Chief Resident at the University of Washington and incoming cancer rehabilitation fellow at Memorial Sloan Kettering Cancer Center. She has research and clinical interests in the functional outcomes of patients with cancer and COVID-19. She also is interested in diversity, equity, and inclusion issues within the rehabilitation setting.

Nicholas Race, MD, PhD is a PGY4 Resident at the University of Pittsburgh Medical Center. His current preclinical brain injury research aims to better understand, characterize, harness, and target multimodal rehabilitation and pharmacological treatment effects utilized in brain injury patients to improve executive dysfunctions including impairments in attention, cognitive flexibility, socioemotional processing, and safety learning. He will complete fellowship training in brain injury medicine and is building a translational precision neuropharmacology research program.

George Raum, DO is a PGY2 Resident at the University of Pittsburgh Medical Center (UPMC) in Pittsburgh, PA. He has clinical and research interests in the use of musculoskeletal ultrasound for diagnosis and surveillance of musculoskeletal injury, including overuse injuries and return-to-play protocols.
Hey Chang (HC) Rhim, MD, MPH is a PGY2 Resident at Harvard Medical School, Spaulding Rehabilitation Hospital, Boston, MA. His research interests include sports medicine, especially sports epidemiology, running medicine, and overused injuries as well as identification of optimal and cost-effective treatment for musculoskeletal pathologies.

Ishan Roy, MD, PhD is an Assistant Professor and Physician Scientist at Northwestern University and Shirley Ryan Ability Lab. He has clinical and scientific interests in cancer rehabilitation, cancer metabolism & bioenergetics, and muscle wasting diseases. He is currently funded through a K08 award from the National Institute of Arthritis and Musculoskeletal and Skin Diseases at the NIH that is focused on muscle fibrosis in cachexia.

Colton Sauer, MD PGY3 Resident in the Physical Medicine and Rehabilitation Program at the Medical College of Wisconsin. His research interests are in pediatric physiatry including treatment of children with movement disorders, clinical motion analysis, and developing new motion analysis applications and technologies.
Michelle Seymour, MD, PhD, is a Pediatric Rehabilitation Medicine Fellow at Baylor College of Medicine and Texas Children's Hospital. Her research interests include receptive, expressive, and context-dependent language deficits in pediatric communication disorders; the impacts of dystonia and movement disorders on AAC use; improving functional communication through AAC partner/facilitator training; and functional outcomes following pediatric traumatic and acquired brain injury.

Jessica Sher, MD is a PGY2 Resident at the University of Washington. Her research interests include the role of exercise in longevity and disparities in accessibility of physical activity.

Sarah Simmons, MD is an Assistant Professor at University of Washington in the Department of Physical Medicine and Rehabilitation. Her clinical work focuses on neurorehabilitation of patients with multiple sclerosis (MS), with a research focus on the effects of exercise on symptom severity and underlying disease pathophysiology.
RMSTP Participants

Ryan Solinsky, MD is a Spinal Cord Injury Physician-Scientist at Spaulding Rehab Hospital/Harvard Medical School. His scientific domain is quantification and manipulation of the autonomic nervous system to restore non-motor functions and maximize quality of life.

Daniel Solomon, MD, MA is a PGY3 Resident at Geisinger Health System. His research interests include overuse injuries in athletes, novel musculoskeletal and peripheral nerve imaging techniques and therapeutics, and the use of technology in physiatric education.

Andrew Stephens, MD is a PGY2 Resident at the University of Rochester Medical Center, Rochester, NY. His research interests include evaluating patient reported outcome metrics and improving the value of health care delivered by understanding costs of common musculoskeletal treatments and system processes.
**Cameron Strong, MD, MS**, is a PGY3 Resident at the University of Washington. His research focuses on procedural medical education for residents using cadaveric tissue for both ultrasound and fluoroscopic guided injections, his clinical interests include pain and spine medicine.

**Quinn Tate, MD, MS** is a Physician Researcher in the Department of PM&R at Penn Medicine in Philadelphia. He completed physical medicine and rehabilitation residency at the University of Utah and an interventional pain fellowship at Mayo Clinic in Jacksonville. His research interests primarily include neuromodulation and orthobiologic interventions to reduce functional limitations and increase quality of life.

**Sruthi Thomas, MD, PhD** is an Assistant Professor at Baylor College of Medicine/Texas Children's Hospital in Pediatric Rehabilitation. Her research interest is hypertonia management in cerebral palsy. She is particularly interested in spasticity and dystonia management in the GMFCS IV-V population and understanding which patients would best benefit from neurosurgical interventions, including intrathecal baclofen, rhizotomy, and deep brain stimulation.
Gustaf Van Acker, MD, PhD is an Assistant Professor in Pain Management and Physical Medicine & Rehabilitation at MetroHealth Medical Center/Case Western Reserve University. His clinical and translational research focus is on spinal cord stimulation and other minimally-invasive neuromodulation modalities to treat pain.

Sarah Welch, DO, MA is an Instructor in the Vanderbilt Department of Physical Medicine and Rehabilitation and a second year VA Quality Scholar Fellow at the Nashville VA. Her research interests lie in geriatric rehabilitative care as it applies to acute care, post acute care, and transitions of care. She is passionate about delivering evidence-based practices to older adults and evaluating interventions to improve processes and patient outcomes.

Alice Ye, MD is a PGY4 Resident at Northwestern University/Shirley Ryan AbilityLab, with clinical interests in interdisciplinary rehabilitation of complex chronic pain conditions, such as chronic pelvic pain. Her research interests include quality of life in women with chronic pelvic pain, long-term outcomes of interdisciplinary chronic pain programs, and collaborative hospital quality improvement initiatives. She will be a clinical research fellow at MD Anderson for the upcoming 2023-2024 academic year.
Bei Zhang, MD, MSc is an Assistant Professor of Physical Medicine and Rehabilitation at the Texas Tech University Health Sciences Center, Lubbock, TX. Her research and clinical interests focus on sequelae and recovery from various types of brain injuries, particularly disorders of consciousness, and neuromodulation.