

Movement Matters

DPT Partnerships in Discovery, Translational Science & Best Practice

Mechanisms of Adaptation

- Physical rehabilitation in chronic lung diseases
[A.Pastva / Duke Cell Biology; Duke Medicine – Pulmonary Medicine]
- Exercise-induced alterations in immune function
[A.Pastva / Duke Cell Biology]
- Evolution of craniofacial form and feeding behavior
[A.Taylor / Duke Ev. Anthro.; NE Ohio Univ. Coll. Med. & Pharm.; Univ. Wisconsin Madison - Genetics; Univ. Chicago - Organsimal Biol. & Anat.]
- Genetic and environmental factors associated with sarcopenia and physical frailty in aging
[J.Purser / Duke Medicine – Geriatrics; Pepper Center; Duke Center for Human Genetics]

Developmental Plasticity

- Pioneering physical & enzyme-replacement therapies for children with Pompe disease
[L.Case / Duke Pediatric Molecular Genetics]
- Physical interventions for children with Duchenne muscular dystrophy
[L.Case / Duke Pediatrics; Duke Surgery]
- Soft tissue adaptations to mandibular distraction osteogenesis
[A.Taylor / UNC - Surgery]
- Neuronal mechanisms of experience-dependent plasticity
[L.White / Duke Neurobiology; Duke Institute for Brain Sciences]

Rehabilitation from Neurological Injury

- LEAPS – locomotor experience applied post-stroke
[P. Duncan, P.I. / multi-site]
- Functional adaptation with vestibular disorders
[R. Clendaniel / Duke Surgery Otolaryngology - Head and Neck]
- Neuro-orthoses for walking recovery
[K. Covington / Duke PT/OT]

Diagnostic Accuracy & Prognosis

- Diagnostic accuracy and clinical tests for orthopedic surgery
[C. Cook / Duke Surgery - Experimental Surgery; Center for Excellence in Surgical Outcomes]
- Diagnostic accuracy and prognosis of the physical examination in musculoskeletal practice
[E. Hegedus / Duke PT/OT]
- Accuracy of diagnostic ultrasound for foot & ankle injuries
[T. Worrell / Duke PT/OT]

Women's Health

- Pelvic floor rehabilitation for post-partum women and female athletes
[C. Figuers / Duke Obstetrics & Gynecology; Duke Surgery - Urology]
- Physical rehabilitation for adolescents with eating disorders
[C. Figuers / Duke Eating Disorders Program]
- Osteoporosis, mindful walking and falls prevention
[K. Shipp / Duke Aging Center]

Outcomes & Systems Assessment

- Health disparities in health-related quality of life
[A. Goode / UNC - Shep Center for Health Services Research]
- VA quality enhancement research initiative
[P. Duncan / VAHSRND]
- Comparative effectiveness / carotid screening & stroke recovery programs
[P. Puncan / Duke Clinical Research Institute; Duke Center for Clinical Health Policy Research]
- Development of outcomes for physical activity, frailty and walking recovery
[J. Purser / Duke Aging Center]

Prevention & Population Health

- Community partnerships for increasing physical activity and falls prevention
[P. Duncan; K. Shipp; J. Purser / CTSA partners; Duke Community & Family Medicine; Duke School of Nursing; Duke Aging Center]
- Stroke prevention and hypertension management
[P. Duncan / Duke Medicine – Neurology; American Heart Association; Duke Clinical Research Institute]
- African American health improvement project
[P. Duncan / Duke Community & Family Medicine; community partners]
- Community partnerships for falls prevention
[K. Shipp / Duke Aging Center]
- Exercise and environmentally-induced lung injury in older adults
[A. Pastva / Pepper Center; Duke Medicine – Pulmonary Medicine]
- Building partnerships to study disability: physical activity in Shanghai older adults
[J. Purser / Pepper Center; Duke Global Health Institute]
- Expertise & Professionalism
 - Communication skills in healthcare & psychosocial aspects of care
[E. Ross / Duke School of Medicine – Office of Curriculum]
 - Expertise and critical thinking in clinical practice
[J. Gwyer]
 - Best practice in clinical education
[C. Odom]

DPT Investigators & Scholars

Basic Discovery Translational Science Best Practice

[DPT Faculty / Research Partners]

