

CURRICULUM VITAE

Jesus F. Dominguez, PhD, MPT

I. BIOGRAPHICAL INFORMATION

PERSONAL INFORMATION:

Address: Division of Biokinesiology and Physical Therapy at the Herman Ostrow School of Dentistry of USC
1540 E. Alcazar St., CHP-155
Los Angeles, CA. 90089-9003

UNIVERSITY EDUCATION:

- 2012-2013 **Leadership in Enrollment Management Certificate Program**, Center for Enrollment Research, Policy, and Practice (CERPP), Rossier School of Education, University of Southern California, Los Angeles, CA
- 1996-2002 **Ph.D. (Biokinesiology with Emphasis in Cardiopulmonary Physiology)**, University of Southern California, Los Angeles, CA
- 1988-1989 **Residency in Cardiopulmonary Physical Therapy**, Blessey Physical Therapy, Inc., Los Angeles, CA and CIGNA Healthplans of California, Los Angeles, CA
- 1986-1988 **M.P.T. (Physical Therapy)**, University of Southern California, Los Angeles, CA
- 1980-1984 **B.A. (Biological Sciences)**, Occidental College, Los Angeles, CA

ACADEMIC APPOINTMENTS:

- 2018-pres. **Associate Professor of Clinical Physical Therapy**, Full-time faculty, Division of Biokinesiology and Physical Therapy, Herman Ostrow School of Dentistry of USC
- 2007-2010 **Research Associate**, Center for Premature Infant Health and Development, Keck School of Medicine of USC
- 2004-2017 **Assistant Professor of Clinical Physical Therapy**, Full-time faculty, Division of Biokinesiology and Physical Therapy, Herman Ostrow School of Dentistry of USC

- 2002-2004 **Assistant Professor**, Full-time faculty, Department of Kinesiology and Nutritional Science, California State University Los Angeles
- 2002-2004 **Adjunct Assistant Professor of Clinical Physical Therapy**, Part-time faculty, Division of Biokinesiology and Physical Therapy, Herman Ostrow School of Dentistry of USC
- 1998-2002 **Adjunct Instructor of Clinical Physical Therapy**, Part-time faculty, Department of Biokinesiology and Physical Therapy, University of Southern California
- 1996-1998 **Teaching Assistant**, Department of Biokinesiology and Physical Therapy, University of Southern California
- 1993-1996 **Adjunct Lecturer of Clinical Physical Therapy**, Part-time faculty, Department of Biokinesiology and Physical Therapy, University of Southern California

HONORS, AWARDS, AND FELLOWSHIPS:

- 2019 Journal of Physical Therapy Education's Stanford Award (to recognize the author[s] of a paper "containing the most influential educational ideas")
- 2015 Outstanding Academic Faculty of the Year Award, Division of Biokinesiology and Physical Therapy, University of Southern California
- 2014-2016 The Jesus Dominguez Scholarship (Funded by the Charles D. and Mary A. Bauer Foundation and Dr. Chase Bauer), Division of Biokinesiology and Physical Therapy, University of Southern California
- 2013 Commendation for Excellence in Teaching Award, Division of Biokinesiology and Physical Therapy, University of Southern California
- 2011 Outstanding Academic Faculty of the Year Award, Division of Biokinesiology and Physical Therapy, University of Southern California
- 2008 Outstanding Full-Time Faculty of the Year Award, Division of Biokinesiology and Physical Therapy, University of Southern California
- 2003 Outstanding Adjunct Faculty of the Year Award, Department of Biokinesiology and Physical Therapy, University of Southern California
- 2000-2001 Promotion of Doctoral Studies (PODS) II Scholarship, American Physical Therapy Association ((\$15,000))
- 2000 Jacquelin Perry, M.D. Scholarship, Department of Biokinesiology and Physical Therapy, University of Southern California (\$5,000)

- 1998-2001 Merit Fellowship for Doctoral Studies, The Graduate School, University of Southern California (Full tuition remission and \$14,000/year stipend)
- 1999 Biokinesiology Student Scholarship Award, Department of Biokinesiology and Physical Therapy, University of Southern California (\$2,500)
- 1999 Outstanding Teaching Assistant of the Year Award, Department of Biokinesiology and Physical Therapy, University of Southern California
- 1997 California Physical Therapy Fund Research Grant, California Physical Therapy Association (\$2,500)

PROFESSIONAL ORGANIZATIONS AND LICENSURES:

- 1988-pres California Physical Therapy License (PT 15410)
- 1988-pres Cardiovascular and Pulmonary Section, American Physical Therapy Association
- 1986-pres American Physical Therapy Association
- 1986-pres California Physical Therapy Association

II. ADMINISTRATIVE AND SERVICE ACTIVITIES

NATIONAL SERVICE:

- 2018-pres Member, Federation of State Boards of Physical Therapy Education Committee

CALIFORNIA STATE SERVICE:

- 2019-2020 California Alternate Delegate to the Federation of State Boards of Physical Therapy
- 2018-pres Board Member, Physical Therapy Board of California, Department of Consumer Affairs (reappointed by Governor Edmund G. Brown, Jr.)
- 2014-2018 Board Member, Physical Therapy Board of California, Department of Consumer Affairs (appointed by Governor Edmund G. Brown, Jr.)
- 2017-2018 California Alternate Delegate to the Federation of State Boards of Physical Therapy

UNIVERSITY SERVICE:

- 2020-pres Co-Chair, Academic Senate Campus Climate Committee, University of Southern California
- 2018-pres Member, Academic Senate Campus Climate Committee, University of Southern California
- 2011-2015 Member, Academic Senate Committee on Non-Tenure Track Faculty Affairs, University of Southern California

SCHOOL SERVICE:

- 2010 Chair, Advisory Task Force to the Dean on Admissions, Herman Ostrow School of Dentistry of the University of Southern California

DIVISION SERVICE:

- 2020-pres Member, Diversity, Anti-Racism, Inclusion, and Community Engagement (DARIC) Council, Division of Biokinesiology and Physical Therapy, University of Southern California
- 2016-2020 Co-Chair, Task Force on Equity, Diversity, Opportunity, and Access, Division of Biokinesiology and Physical Therapy, University of Southern California
- 2016-2018 Member, CAPTE Steering Committee, Division of Biokinesiology and Physical Therapy, University of Southern California
- 2010-pres Member, DPT Operational Committee, Division of Biokinesiology and Physical Therapy, University of Southern California
- 2010-pres Member, DPT Curriculum Oversight Committee, Division of Biokinesiology and Physical Therapy, University of Southern California
- 2008-2010 Chair, Faculty Affairs Committee, Division of Biokinesiology and Physical Therapy, University of Southern California
- 2008-2010 Member, Executive Committee, Division of Biokinesiology and Physical Therapy, University of Southern California
- 2005-pres Director of DPT Admissions, Division of Biokinesiology and Physical Therapy, University of Southern California

- 2005-pres Chair, DPT Admissions Committee, Division of Biokinesiology and Physical Therapy, University of Southern California
- 2004-pres Semester III Chair (DPT Curriculum), Division of Biokinesiology and Physical Therapy, University of Southern California
- 2004-pres Member, Biokinesiology Committee, Division of Biokinesiology and Physical Therapy, University of Southern California

PROFESSIONAL SERVICE:

- 2013-2016 Diversity Taskforce, American Council of Academic Physical Therapy (ACAPT), American Physical Therapy Association
Taskforce member
- 2010-2013 Physical Therapist Centralized Application Service (PTCAS) Advisory Group, American Physical Therapy Association
Taskforce member

III. SCHOLARLY ACTIVITY

PUBLICATIONS (PEER-REVIEWED)

MaCaulay TR, Erceg DN, McMillan B, Ramirez JE, **Dominguez JF**, Vallejo AF, and Schroeder ET (2020). Validation of an automated and adjustable blood pressure system for use with a public health station. *Vasc Health Risk Manag* 16: 133-142.

Moerchen V, Williams-York B, Ross L, Wise D, **Dominguez JF**, Kapasi Z, and Brooks S (2018). Purposeful recruitment strategies to increase diversity in physical therapist education. *J Phys Ther Educ* 32(3): 209-217.

Baker J, **Dominguez JF**, and Perdomo M (2018). The international classification of functioning, disability, and health model guides individualized care for a patient with cancer: a case report. *Rehabil Oncol* 36(3): E1-E8.

Wise D, **Dominguez JF**, Kapasi Z, Williams-York B, Moerchen V, Brooks S, and Ross L (2017). Defining underrepresented minorities and promoting holistic review admission strategies in physical therapist education. *J Phys Ther Educ* 31(4): 8-13.

Irizarry N and **Dominguez JF** (2015). Commentary on “challenges in trying to implement an early intervention program for infants with congenital heart disease.” *Pediatr Phys Ther* 27(1): 43.

Jeffries EC, Hoffman SM, de Leon R, **Dominguez JF**, Semerjian TZ, Melgar IA, and Dy, CJ (2015). Energy expenditure and heart rate responses to increased loading in individuals with motor complete spinal cord injury performing body weight-supported exercises. *Arch Phys Med Rehabil* 96(8): 1467-1473.

Dominguez JF, Guo L, Carrasco Molnar M, Ballester Escobedo A, Dunphy T, Lund T, and Turman Jr. JE (2009). Novel indirect calorimetry technology to analyze metabolism in individual neonatal rodent pups. *PLoS ONE* 4(8): e6790. doi:10.1371/journal.pone.0006790.

Tai WC, Burke KA, **Dominguez JF**, Dundamraj L, and Turman Jr. JE (2009). Growth deficits in a postnatal day 3 rat model of hypoxic-ischemic brain injury. *Behavioural Brain Research* 202(1): 40-9.

Semerjian TZ, Montague SM, **Dominguez JF**, Davidian AM, and de Leon RD (2005). Enhancement of quality of life and body satisfaction through the use of adapted exercise devices for individuals with spinal cord injuries. *Top Spinal Cord Inj Rehabil* 11(2): 95-108.

Dominguez JF and Howell S (2003). Compartmental analysis of Ca²⁺ kinetics in congestive heart failure-induced diaphragm myopathy. *Cell Calcium* 33(3): 163-174.

Chambers D and **Dominguez JF** (1992). Stress testing by non-physicians. *Phys Ther Prac* 1(4): 12-24.

RESEARCH PRESENTATIONS AT SCIENTIFIC MEETINGS (ABSTRACTS AND PLATFORMS):

Tilson JK, Landel R, Andersen MA, **Dominguez JF**, Kirages D, Robertson E, Sebelski CA, Simpson MS, Stevenson J, Teglia V, Aguilar S, and Gordon J. Expanding a DPT program to include a hybrid online/on-campus cohort: a case study of shared governance. APTA Educational Leadership Conference, Jacksonville, FL, Platform Session #7, 2018.

Tilson JK, Gordon J, Andersen M, **Dominguez JF**, Havens KL, Hershberg J, Kirages D, Landel R, Robertson E, Simpson S, and Stevenson J. Implementing a hybrid online/on-campus DPT program at a research-intensive institution: a protocol for comparing learning outcomes with an existing residential program. APTA Combined Sections Meeting, New Orleans, LA., Abstract #3083, 2018.

Rohman E, Gregg H, **Dominguez JF**, and Turman Jr. JE. Neonatal hypoxic-ischemic brain injury impacts postnatal metabolism, growth, and neural development in rats. USC Undergraduate Symposium for Scholarly and Creative Work, 2009.

Dominguez JF, Carrasco-Molnar MA, Dunphy T, and Turman Jr. JE. The impact of neonatal hypoxic-ischemic brain injury on early postnatal growth and metabolism in rats using a novel indirect calorimetry system. Society for Neuroscience Annual Conference, Washington, DC, Abstract #149.6, 2008.

Dominguez JF, Guo L-X, Carrasco-Molnar MA, Dunphy T, Lund TD, and Turman JE Jr. Neonatal hypoxic-ischemic brain injury impacts early postnatal growth and metabolism in rats. International Society for Developmental Psychobiology Annual Conference, Washington, DC, Abstract #23, 2008.

Dunphy T, **Dominguez JF**, and Turman Jr. JE. The impact of neonatal hypoxic ischemic brain injury on early postnatal growth and metabolism in rats. USC Undergraduate Symposium for Scholarly and Creative Work, 2008.

Dominguez JF, Semerjian T, and Davidian A. Serving the community as a means of enhancing the academic experience. NAPEHE Annual Conference, Long Beach, CA. Platform Presentation, 2003.

Dominguez JF and Howell S. Compartmental analysis of Ca²⁺ kinetics in congestive heart failure (CHF)-induced diaphragm myopathy. FASEB Annual Conference, Orlando, FL. Abstract #880.22, 2001.

PUBLISHED BOOKS, CHAPTERS, AND MONOGRAPHS (PEER-REVIEWED):

Dominguez, JF (2012). Cardiovascular and pulmonary clues from examination. In T.E. Davenport et al (Eds.), *Diagnosis for physical therapists: a symptom-based approach* (pp. 504-525). Philadelphia: F.A. Davis Co.

Dominguez, JF (2012). Palpitations. In T.E. Davenport et al (Eds.), *Diagnosis for physical therapists: a symptom-based approach* (pp. 721-741). Philadelphia: F.A. Davis Co.

Dominguez, JF, & Simpson, M.S. (2012). Case demonstration: jaw pain. In T.E. Davenport et al (Eds.), *Diagnosis for physical therapists: a symptom-based approach* (pp. 100-107). Philadelphia: F.A. Davis Co.

GRANTS AND CONTRACTS:

2019-2020 USC Division of Biokinesiology and Physical Therapy Seed Grant (\$15,000)
"USC Center of Diabetes Excellence" (USC-CoDE)
S Woelfel (Principal Investigator)
JF Dominguez (Key Collaborator)
To 1) establish an interdisciplinary center of excellence addressing the care of patients with diabetes across the continuum with a focus on limb preservation and activity management and 2) assist in clinical protocol development and collection of outcome data

- 2014-2015 USC Division of Biokinesiology and Physical Therapy Research Pilot Grant (\$15,000)
“High-intensity Interval Training (HIIT) for Patients with Breast Cancer Receiving Herceptin Adjuvant Therapy”
C Dieli-Conwright (Principal Investigator)
JF Dominguez (Co-Investigator)
To 1) pilot the feasibility of high-intensity interval training (HIIT) in female breast cancer survivors receiving adjuvant therapy that includes Herceptin and 2) explore the potential for HIIT to attenuate or prevent cardiotoxicity in female breast cancer survivors receiving adjuvant therapy that includes Herceptin
- 2002-2007 Rehabilitation Engineering Research Center Grant, United States
Department of Education/National Institute on Disability and Rehabilitation Research (\$714,868 over 5 years)
R de Leon (Principal Investigator)
JF Dominguez (Co-Investigator)
To 1) develop a user-friendly resistance exercise apparatus for use by individuals with spinal cord injury and 2) explore the potential physical and psychological health benefits of body weight-supported treadmill training (BWSTT) in individuals with spinal cord injury

INVITED PRESENTATIONS:

- 2008 **Dominguez JF.** Novel indirect calorimetry system to assess metabolism in neonatal rodent pups. Society for Neuroscience Annual Conference, Washington DC, November 17th, 2008. Co-sponsored by Stoelting, Inc. and Harvard Apparatus, Inc.