

HYOSUB KIM, PT, DPT
PhD Student in Neuroscience

EDUCATION

UNIVERSITY OF ILLINOIS AT CHICAGO

PhD in Neuroscience, Graduate Program in Neuroscience, Chicago, IL, projected: 2016
Advisor: T. George Hornby, PT, PhD

UNIVERSITY OF ILLINOIS AT CHICAGO

Doctor of Physical Therapy, Chicago, IL, 2012

THE JUILLIARD SCHOOL

Bachelor of Music, Juilliard String Department, New York City, NY, 2000

PROFESSIONAL LICENSE

Physical Therapist, State of Illinois, IDPR, Division of Professional Regulation
License Number: 070019285

RESEARCH EXPERIENCE

REHABILITATION INSTITUTE OF CHICAGO (SENSORY MOTOR PERFORMANCE PROGRAM)

Locomotor Recovery Laboratory, Chicago, IL, 2010-PRESENT
Advisor: T. George Hornby, PT, PhD

UNIVERSITY OF ILLINOIS AT CHICAGO

Neural Control of Movement Laboratory, Chicago, IL, 2013
P.I.: Daniel M. Corcos, PhD

UNIVERSITY OF ILLINOIS AT CHICAGO

Clinical Gait and Movement Analysis Laboratory, Chicago, IL, JANUARY-MAY 2010
P.I.: Yi-Chung (Clive) Pai

WILBUR WRIGHT COLLEGE

Independent Course of Study in Organic Chemistry, Chicago, IL, JANUARY-MAY 2009
Advisor: Warren J.C. Menezes, PhD

CLINICAL EXPERIENCE

REHABILITATION INSTITUTE OF CHICAGO

Registry Physical Therapist, Neurologic Rehabilitation, Chicago, IL, 2012-PRESENT

LOYOLA UNIVERSITY MEDICAL CENTER

Physical Therapy Intern, Acute Care, Maywood, IL, JANUARY-MARCH 2012

UNIVERSITY OF ILLINOIS AT CHICAGO MEDICAL CENTER

Physical Therapy Intern, Inpatient Rehabilitation, Chicago, IL, AUGUST-NOVEMBER 2011

SHERMAN HEALTH REHABILITATION

Physical Therapy Intern, Outpatient Orthopedic, Algonquin, IL, MAY-AUGUST 2011

TEACHING

UNIVERSITY OF ILLINOIS AT CHICAGO

Teaching Assistant and Guest Lecturer, PT 605: Systems Physiology and Plasticity, 2010-PRESENT

HARRY S. TRUMAN COLLEGE

Classroom Assistant and Tutor, Math 125: Introductory Statistics and Math 140: College Algebra, Chicago, IL. 2008-2009

CHICAGO ACADEMY FOR THE ARTS

Bass Instructor, Chicago, IL. 2002-2008

PUBLICATIONS

In preparation:

Kim HE, Thompson CK, Hornby TG. Mode of muscle contraction contributes to differential torque production and muscle activation during repeated shortening versus lengthening contractions in human incomplete SCI.

Available online:

Kim HE, Sulaimon S, Menezes S, Son A, Menezes WJC. A comparative study of successful central nervous system drugs using molecular modeling. *J. Chem. Educ.*, 2011, 88 (10), pp 1389–1393. DOI: [10.1021/ed100824u](https://doi.org/10.1021/ed100824u) Publication Date (Web): July 29, 2011.

ABSTRACTS

Poster presentations:

Kim HE, Thompson CK, Hornby TG. Supramaximal torque production during repeated dynamic contractions in individuals with incomplete spinal cord injury. *American Physical Therapy Association Combined Sections Meeting*, San Diego, CA; 2013.

Thompson CK, **Kim HE**, Mottram CJ, Jayaraman A, Hornby TG. Supramaximal volitional torque in humans with spinal cord injury: Associated motor behaviors. *International Society of Electrophysiology and Kinesiology*, Brisbane, Australia; 2012.

Thompson CK, Jayaraman A, **Kim HE**, Suresh NL, Mottram CJ, Hornby TG. Time and intensity dependent increase in motor unit activity contributes to the generation of supramaximal volitional torque. *American Physical Therapy Association Combined Sections Meeting*, New Orleans, LA; 2011.

Thompson CK, Jayaraman A, **Kim HE**, Suresh NL, Mottram CJ, Hornby TG. Time and intensity dependent increase in motor unit activity contributes to the generation of supramaximal volitional torque. *Society for Neuroscience Annual Conference*, Washington DC; 2011.

Kim HE, Son A, Menezes WJC. A comparative study of dopamine and L-dopa using molecular modeling. *Great Lakes Regional Meeting of the American Chemical Society*, Lincolnshire, IL; 2009.

HONORS AND AWARDS

THE FOUNDATION FOR PHYSICAL THERAPY, Florence P. Kendall Doctoral Scholarship 2012
UNIVERSITY OF ILLINOIS AT CHICAGO, Department of Physical Therapy, Best Case Report 2012
UNIVERSITY OF ILLINOIS AT CHICAGO, Graduate Research Assistantship 2010-PRESENT
CITY COLLEGE OF CHICAGO, Presidential Scholar 2008-2009
BANFF INTERNATIONAL WORKSHOP IN JAZZ AND CREATIVE MUSIC, Artist-In-Residence 2006

PROFESSIONAL MEMBERSHIPS

AMERICAN PHYSICAL THERAPY ASSOCIATION, Neurology Section member 2009-PRESENT
ILLINOIS PHYSICAL THERAPY ASSOCIATION, Eastern District member 2009-PRESENT
SOCIETY FOR NEUROSCIENCE, Student member 2013-PRESENT