Scholarly Activities  
Department of Physical Medicine and Rehabilitation  
June - August 2014

REGULAR FACULTY

Brenna D. Argall:
Publications:

Awards:

Lectures:
RSS 2014 Workshop on Women in Robotics in Berkeley CA., July 2014

Chih-Hung Chang:
Awards:
Archives of Physical Medicine and Rehabilitation : Outstanding Contribution in Reviewing, April 2014

Leora Cherney:
Publications:

Presentations:
Cherney, L. R. Neuroplasticity, Technology, and the Changing “Face” of Aphasia Treatment. One-day workshop presented at Utah State University, Logan UT. June, 2014.


Awards:
Edna Babbitt received first place in the 2014 Sarah Baskin Award for Excellence in Research in the category “PM&R Faculty” for her paper titled: ANALYSIS OF RETROSPECTIVE DATA FROM AN INTENSIVE COMPREHENSIVE APHASIA PROGRAM. Leora Cherney served as a co-author on this paper.

Deborah Gaebler-Spira:
Presentations:
RERC State of the Science (SOS) Symposium on: Technologies for Children with Orthopaedic Disabilities Special Session Keynote Speaker, Shriners Hospital, Chicago, IL. August 7-8, 2014

Allen Heinemann:
Peer reviewed publications:


Presentations:

Grant submitted:
RRTC on Implementing Evidence-Based Practice (PI)
PCORI, Evaluating the Clinical Feasibility and Validity of PROMIS Item Banks following Stroke (Principal Investigator)

Grants in development:
PCORI, Effectiveness and Efficiency of Robot-Assisted Rehabilitation Therapy (Principal Investigator)

**Joseph Ihm:**

**Lectures:**
Hands-on assistant Ultrasound Cadaver Course Rehabilitation Institute of Chicago, Chicago, Illinois March 22, 2014

“Exercise is Medicine” Lecture for M1 class, part of musculoskeletal curriculum Northwestern University Feinberg School of Medicine, Chicago, Illinois April 22, 2014

“Adult Sports and Overuse Injuries” Lecture for M1 class, part of musculoskeletal Curriculum Northwestern University Feinberg School of Medicine, Chicago, Illinois April 25, 2014


**Eric Larson:**

**Publications:**

**Presentations:**

**Christina Marciniak:**

**Publications:**

**Gadi Revivo:**

**Poster:**
Dubon M, Revivo G:
Pelizaeus-Merzbacher Disease: Two Cases in the Outpatient Rehabilitation Setting
AAP, 2014

Lecture:
Revivo G
Updates in Chronic Pain Management in the Adolescent Population
AAPM Annual Meeting, March 2014

RESEARCH FACULTY

Anne Deutsch
Peer reviewed Publications:


Book Chapters:


Presentations:


Linda Ehrlich-Jones
Peer reviewed publications:


Grants submitted:
NIH/NINR R21 Ehrlich-Jones (Principal Investigator)
Increasing Physical Activity in Persons with Parkinson’s Disease

Lupus Research Institute Ehrlich-Jones (Principal Investigator)
Smart-FIT: Fatigue Innovations Trial in Lupus

NIDRR Rehabilitation Research & Training Center on Health and Function
R3 Project Ehrlich-Jones (Co-PI)
Adaptation and Implementation of an Evidence-Based Physical Activity Program for People with Recently Acquired Mobility Disability

Ongoing service:
Co-Chair WFO, Northwestern University
Rheumatology Research Foundation, Member, Board of Directors

**Assaf Dvorkin:**
Publications:

**ADJUNCT / OTHER FACULTY**

**William Armstrong:**
Presentations:
William Armstrong recently attended the Annual RESNA conference in Indianapolis where he presented Shona McDonald, of South Africa, as the recipient of RESNA’s Honorary Fellow Award. Mr. Armstrong had nominated Ms. McDonald for this award earlier in the year. Shona McDonald is an entrepreneur and a driving force in the provision of Assistive Technology and advocacy for those with disabilities in South Africa ([http://www.shonaquip.co.za/](http://www.shonaquip.co.za/) and [http://www.uhambousa.org/](http://www.uhambousa.org/)).

Lecture:
William Armstrong will be traveling to Peru on August 18th to conduct the World Health Organization’s Wheelchair Service Training Program at the Instituto Nacional de Rehabilitacion in Lima. In addition to this 5-day course, Mr. Armstrong will also be
conducting a 1-day workshop for stakeholders and a 2-day workshop for health care managers. These activities are supported by USAID.

Rosemarie King:
Publications:

Jacqueline Neal:
Awards:
Searle Fellows Program 2014-2015 Academic Year

Thomas Schnitzer:
Publications:

*NORTHEASTERN UNIVERSITY PROSTHETIC - ORTHOTIC CENTER*

Publications:


Presentations:

Stefania Fatone, PhD, and Ryan Caldwell, CP, were invited to present an instructional course titled “Subischial Socket with Vacuum Assisted Suspension for Persons with Transfemoral Amputation” at the 19th Biennial Canadian Society for Prosthetists and Orthotists conference held in Halifax, Nova Scotia, Canada on August 7-9, 2014.

Stefania Fatone, PhD, and Ryan Caldwell, CP, were invited to present their instructional course “Subischial Socket with Vacuum Assisted Suspension for Persons with Transfemoral Amputation” as part of the American Academy of Orthotists and Prosthetists Webinar Series, on August 26, 2014.

Laboratory Visits/Events:

The Northwestern University Prosthetics-Orthotics Center (NUPOC) hosted an educational program and site visit for 36 graduate students of the Rush Occupational Therapy Program and a biomedical engineering student from Marquette University on July 22, 2014. R. J. Garrick, PhD, developed and facilitated the program. Steven A. Gard, PhD, presented “An Overview of NUPOC Research”; Chris Robinson, CPO, MS, MBA, ATC, FAAOP, presented “Upper Limb Orthotic Systems”; and Craig Heckathorne, MS, presented “Upper Limb Prosthetic Systems.”

Research by Stefania Fatone, PhD, and Australian colleagues Drs. Michael Dillon and Meg Morris, on partial foot amputation was featured in an article titled “Which part of the foot is best to go forward?” in Medical Observer Diabetes, June 17, 2014. http://www.medicalobserver.com.au/news/which-part-of-the-foot-is-best-to-go-forward?utm_medium=email&utm_campaign=17-06+NON-s4+Tues&utm_content=17-06+NON-s4+Tues+CID_8d8a817b1f03b939d2b025bc42071536&utm_source=Email%20marketing%20software&utm_term=Which%20part%20of%20the%20foot%20is%20best%20to%20go%20forward

Ms. Antonia Nepomuceno has joined NUPOC as a summer research extern who will work on prosthetics projects with Steven A. Gard, PhD, and Matthew Major, PhD. She will assist in ongoing projects that examine gait stability in upper limb amputees and prepare devices for use in human motion analysis that will be conducted in the Jesse Brown VA Medical Center Motion Analysis Research Laboratory located on-site at NUPOC.

Meetings:

Stefania Fatone, PhD, BPO (Hons) was invited to visit the Faculdad de Minas at the Universidad Nacional de Colombia in Medellin, June 9-13, 2014, to participate in the examination of two doctoral students in mechanical engineering. Dr. Fatone contributed to the examinations of Sofia Henao and Jesica Isaza in partial fulfillment of their doctor of philosophy degrees. Dr. Ramirez’ lab uses numerical models to better understand prosthetic sockets. Dr. Fatone
gave two presentations “NUPOC: 50 years of education and research in prosthetics and orthotics” and “Overview of research activities at NUPOC led by Stefania Fatone”. Drs. Fatone and Ramirez discussed potential research collaborations.

Matty Major, PhD attended the World Congress of Biomechanics, held in Boston, MA, July 6-11, 2014.

Steven A. Gard, PhD, and Erin Boutwell, PhD, attended the NIDRR Fellows and Mentors Meeting, held in Washington, DC, July 28-29, 2014.

Appointments:

Steven A. Gard, PhD, has been selected by the American Academy of Orthotists and Prosthetists as Editor-in-Chief of the Journal of Prosthetics and Orthotics. Dr. Gard began his tenure in July 2014.

Matthew J. Major, PhD has been appointed Assistant Professor of Physical Medicine & Rehabilitation at the Northwestern University Feinberg School of Medicine.

Grant Submissions:

Stefania Fatone, PhD, was PI on an NIH R03 proposal titled “Reliability of multi-center prescription and evaluation of orthotic management in children with Cerebral Palsy” submitted on June 16, 2014.

Stefania Fatone, PhD, Pranitha Gottipati, PhD, and Rebecca Stine, MS, were co-investigators on an application titled “Effects of surgery on gait and balance in patients with cervical myelopathy” (PI: Nader Dahdaleh, MD) submitted to NUCATS for the 2015 Dixon Translational Research Grants on July 28, 2014.


Letter of Intent Submissions:

Stefania Fatone, PhD, submitted two letters of intent to the CDMRP Peer Reviewed Orthopedic Research Program on June 27, 2014. Dr Fatone was PI on the submission titled, “No longer smooth: introducing striations into prosthetic socket construction to improve suspension, rotation, fit and comfort” and co-investigator on the submission titled “Development of a quality register to record and assess effectiveness of prosthetic management and functional outcomes in persons with traumatic amputations” (PI: Nerrolyn Ramstrand, PhD).