REGULAR FACULTY

Randy Calisoff

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Abstract “Effects of a 4-week Intensive Interdisciplinary Pain Management Program for Workers Compensation Patients with Complex Regional Pain Syndrome on Pain, Function and Opioid Use”, accepted for presentation American Academy of Pain Medicine’s 2018 Annual Meeting, April 26-29, Vancouver BC

Andrea Domenighetti

Submitted application to the AR3T call for innovative research projects in rehabilitation: "Development of a New 3D-Printed Tissue Scaffold for Discovery and Therapeutic Applications in Cerebral Palsy ". Domenighetti and Shah.

Awarded a Shirley Ryan Abilitylab-CHNF Infrastructure Center Grant: "Effect of Inflammation in Hypoxia-Induced Plasticity in Individuals with Spinal Cord Injury". Leung, Sandhu and Domenighetti.

Awarded financial support from the Shirley Ryan Abilitylab-Department of Physical Therapy (Northwestern) to investigate “Rescuing Myogenic Potential of Muscle Stem Cells in Children with Cerebral Palsy using Cytidine Analog 5-Azacytidine: a genetic and epigenetic profiling.”


Frontiers Journals - Working Group on “Professional Identity and an Academic Track in Translational Medicine”.

Meeting with the EUREKA Institute for Translational Medicine. A nonprofit organization committed to preparing future leaders in translational medicine. Tucson AZ
Deborah Gaebler
PLOS: [https://doi.org/10.1371/journal.pone.0188741](https://doi.org/10.1371/journal.pone.0188741)


Chapter: “Functional Dystonias”, SpringerLink online platform

Allen Heinemann

Peer-Reviewed Publications


Proposals Submitted
Geriatric Emergency Department Innovations (Dresden Heinemann co-PIs, AHRQ R01)
Dissemination and Implementation of the Emergency Medicine Geriatric Response and Evaluation Tool "EGRET" (Post AHRQ R21)
DOD CMDRP Prosthetics (Jayaraman)

Proposals in Development
NIDILRR RTC on Employment of People with Physical Disabilities
NIDILRR DRRP on Community Living and Participation with UIC

Service Activities
Member, Committee on Functional Assessment for Adults with Disabilities, National Academies of Sciences, Engineering, and Medicine’s, 2017 – present.
Member, Advisory Board, National Center for Medical Rehabilitation Research, 2016-2019.
Christina Marciniak


W. Zev Rymer

Mentor for Training in Grantsmanship for Rehabilitation Research (TIGRR) Workshop, Charleston, NC, January 9-13

Invited lecturer: “Strategies to Enhance Neural Plasticity Following Incomplete SCI in Man: Application of Acute Intermittent Hypoxia”, UC Irvine, February 23

Diane Dudas Sheehan


Teaching: Fall 2017 Small group Leader for Ethics in Action Class – M2 medical students, NU

PM&R Pediatric Resident Lecture - repeated series:
1/19/18 “Neuromuscular Scoliosis Evaluation and Management”
1/30/18 “Comprehensive Evaluation and Practical Treatment of Children with Wounds”

RESEARCH FACULTY

Anne Deutsch


Linda Ehlich-Jones  

Proposal Submitted: Rehabilitation Research and Training Center on Promoting Healthy Aging for People with Long-Term Physical Disabilities, Research Project 4: Adaptation and Implementation of an Evidence-Based Physical Activity Program for People with Parkinson’s disease.

Member, Experts in Arthritis Advisory Committee for the US Bone and Joint Initiati

Marylou Guihan  


Sherri Lavela  
Publications (published; in press, revised):  


**Grants Funded:**
National Multiple Sclerosis Foundation. *Evaluating the Use of Acute Intermittent Hypoxia to Enhance Motor Function in Persons with Multiple Sclerosis.* PI: LaVela; Co-I(s): Rymer, Jayaraman, Sandhu, Motl (Notice of funding – October 2017.

PI: LaVela; Co-I(s): Ehrlich-Jones, Heinemann, Applebaum, Pedersen, Pellegrini, Goldstein

Paralyzed Veterans of America Education Foundation. *Developing a Curriculum on Grief/Loss due to SCI for Health Providers.* PI: LaVela; Co-I(s): Bombardier, Burkhart.  
[funding period: June 2017-June 2018]

Jessica Pedersen
Presented: Results of SurveyMonkey Survey Pertaining to Stowage of Wheelchairs  
Presented to stakeholders from airlines, consumer organizations, PVA, and participants of RESNA ANSI Standards Meeting on Air Travel, Telephone Conference, January 25, 2018.

**Proposals Submitted:**
Craig H. Neilson Foundation. LOI “Clinical Evidence for Support of Spinal Curves in Wheelchair Seating”

Switzer Fellowship: Department of HHS, NIDILRR
**Service Activities:**
The Kids Equipment Network, Volunteer Equipment Clinic providing children with gently used wheelchairs and seating equipment, Alden Village, Bloomingdale, IL. December 16, 2017

Host of #2 Consumer Committee RESNA ANSI Standards Meeting on Air Travel

**Ming Wu**

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**NORTHWESTERN UNIVERSITY PROSTHETIC AND ORTHOTIC CENTER**

**Publications:**
[https://systematicreviewsjournal.biomedcentral.com/articles/10.1186/s13643-017-0626-0](https://systematicreviewsjournal.biomedcentral.com/articles/10.1186/s13643-017-0626-0)

Quigley M, Dillon M, Fatone S (in press) Development of shared decision making resources to help inform difficult healthcare decisions: an example focused on dysvascular partial foot and transtibial amputation. Prosthetics and Orthotics International.


**Presentations:**
Steven A. Gard, PhD, was invited to speak about STEM opportunities in biomedical engineering (BME) and prosthetics and orthotics (P&O) during career day at Waubonsie Valley High School (Aurora, IL).


Stefania Fatone, PhD, BPO (Hons) lectured on “Hemiplegic Gait” to the 2nd year residents at the Shirley Ann Ryan Ability Lab on December 8, 2017.

Stefania Fatone, PhD, BPO (Hons) presented along with Linda Wolter and Kathy Mustea on “Working with the Northwestern Office of Sponsored Research (OSR)” as part of the NUCATS Seminar Series on Navigating the Research Enterprise held on December 18, 2017.

Stefania Fatone, PhD, BPO (Hons), and Ryan Caldwell, CP, FAAOP, taught the NU-FlexSIV Socket Course on February 6-7, 2018, to 8 prosthetists from the UK and Scotland. Pace Rehabilitation sponsored the course held in Bredbury, Stockport, Cheshire, UK.


Michael Lynn Hoggatt, (MPO 2018) and J. Chad Duncan, PhD, CPO, CRC. Poster: Participatory Visual Methods in Prosthetic Care: An Integrative Framework and Practice Implications. 44th Academy Annual Meeting and Scientific Symposium, February 14-17, 2018 in New Orleans, LA.

Awards:

Kyle Miller and Sheila Pach (MPO 2018) are recipients of the 2017 Tamarack Awards. Since 2014, the generosity of J. Martin Carlson, CPO, FAAOP, owner and chief engineer of Tamarack Habilitation Technologies (Blaine, MN), enables NUPOC to confer a Tamarack Award on two NUPOC MPO students who demonstrate excellence in orthotics.

Michael Hoggatt, MPO 2018 class, and Charity Smith, MPO 2019 class, have been selected to receive the International African American Prosthetic & Orthotic Coalition (IAAPOC) Sam D. Benson Scholarship.

J. Chad Duncan, CPO, PhD, CRC, received the Outstanding Educator Award, from the American Academy of Orthotists and Prosthetists (AAOP). The award will be given at the 44th Academy Annual Meeting & Scientific Symposium in New Orleans, LA, February 14-17, 2018.
Yeongchi Wu, MD, will receive an Honorary Academy Membership Award from the American Academy of Orthotists and Prosthetists (AAOP). The award will be given at the 44th Academy Annual Meeting & Scientific Symposium in New Orleans, LA, February 14-17, 2018.

Meetings:

Stefania Fatone, PhD, BPO (Hons), was the featured speaker at a seminar series hosted by The Department of Biomechanics and The Center for Research in Human Movement Variability (MOVCENTR) at the University of Nebraska (Omaha). Dr. Fatone presented The NU-FlexSIV Socket: Development, Research, and Dissemination.

Stefania Fatone, PhD, BPO (Hons), participated in the VA Rehabilitation Research & Development’s Scientific Merit Review Board subcommittee for Rehabilitation Engineering & Prosthetics/Orthotics held in Arlington VA on February 27, 2018.

Stefania Fatone, PhD, BPO (Hons), participated in the Orthotic and Prosthetic Education and Research Foundation (OPRF) strategic planning day, held in New Orleans, LA on February 14, 2018. Dr. Fatone is a member of the OPRF Board and Chair of the Research Committee.

Laboratory Visits/Events:

J. Chad Duncan, CPO, PhD, CRC, presented information about NUPOC as a biomedical engineering laboratory at the 47th Annual Career Day for Girls sponsored by the Robert J. McCormick School of Engineering and the Society of Women Engineers (SWE) on February 24, 2018. This outreach program was organized by R. J. Garrick, PhD.

Grant Awards:

Kobe College of Medical Welfare in Japan sponsored a “NU-FlexSIV Socket Course” taught by Stefania Fatone, PhD, BPO (Hons), and Ryan Caldwell, CP, to be held in Sanda, Japan on March 9-11, 2018.

Grant Submissions:

Dr. Stefania Fatone, PhD, BPO(Hons), was PI on an application to the DOD Orthotics and Prosthetics Outcomes Research Program for the project titled “Comparative Effectiveness of Socket Casting Methods: Improving Form and Fit” with co-investigators Dr. Andrew Hansen from the Minneapolis VA and Dr. Andrea Cutti from INAIL, Italy, submitted on January 8, 2018.

Dr. Stefania Fatone, PhD, BPO(Hons), was a co-investigator on an application to the National Institutes of Health for the project titled “The influence of 3D printed prostheses on neural activation patterns of the primary motor cortex in children with unilateral congenital upper-limb reductions” (PI: Jorge Zuniga, PhD, University of Nebraska) submitted on February 5, 2018.
Steven Gard, PhD, was PI on an application to the DOD Orthotics and Prosthetics Outcomes Research Program for the project entitled, “Optimal Selection of Prosthetic Knees and Feet Combinations for Improving Walking and Standing Performance in Transfemoral Prosthesis Users” submitted on January 8, 2018.

Grant LOI Submissions:

Steven Gard, PhD, submitted a letter of intent for a Small Project in Rehabilitation Research (SPIRE) proposal entitled, “Development and Evaluation of a Shock Absorbing Prosthetic Ankle Mechanism” to the Department of Veterans Affairs, Rehabilitation Research & Development Program on February 1, 2018.

OTHER FACULTY

Assaf Dvorkin: