

# ASHLEY N DALRYMPLE, PHD (SHE/HER) ANTI-CV

adalrymple@cmu.edu

<https://ashleydalrymple.com/>

## CURRENT ROLE

### POST-DOCTORAL ASSOCIATE

Oct. 2020 – Present Department of Mechanical Engineering, Carnegie Mellon University, Pittsburgh, PA, USA

Mentors Douglas Weber and Lee Fisher\*  
\*Dr. Fisher is affiliated with the University of Pittsburgh

GPA in first year of undergrad: *2.5*

## UNSUCCESSFUL GRANTS, SCHOLARSHIPS, AND AWARDS

### GRANTS

- 2021 Banting Postdoctoral Fellowship  
Quantifying the Effects of Transcutaneous Spinal Cord Stimulation on Spinal Excitability, Phantom Limb Pain, and Balance and Gait Function in Lower Limb Amputees  
*Rank: 103/225*
- 2020 CIHR Postdoctoral Fellowship  
Quantifying the effects of transcutaneous spinal cord stimulation on spinal excitability and gait function in people with diabetic neuropathy  
*Rank: 227/506*
- 2020 University of Pittsburgh Pain Research Challenge  
Noninvasive Neuromodulation in Knee Osteoarthritis
- 2019 NSERC Postdoctoral Fellowship  
Spinal reflex plasticity in humans with diabetic neuropathy and lower limb amputation

### SCHOLARSHIPS

- 2016 Vanier Canada Graduate Scholarship  
Restoring Walking after Incomplete Spinal Cord Injury: Development of an Adaptable Intraspinal Microstimulation Controller for Acute and Chronic Implementation  
*Rejection at National Level; Rank: 100/183*
- 2016 Margaret Brine Graduate Scholarship for Women
- 2015 Vanier Scholarship  
Intraspinal Microstimulation to Restore Walking after an Incomplete Spinal Cord Injury  
*Rejection at Institutional Level*

- 2014 Queen Elizabeth II Graduate Student Scholarship - Masters  
 2013 Ivy A Thomson and William A Thomson Graduate Scholarship  
 2013 Delta Delta Delta Alumnae Fellowship

**AWARDS**

- 2018 MedStar Award, Graduate Students, Faculty of Medicine and Dentistry,  
 University of Alberta  
 A speed-adaptive intraspinal microstimulation controller to restore weight-bearing stepping in a spinal cord hemisection model  
 2013 Coca-Cola Student Achievement Award

**REJECTED PUBLICATIONS**

1. **AN Dalrymple**, CA Hooper, MG Kuriakose, M Capogrosso, DJ Weber, “[High-frequency stimulation does not improve comfort of transcutaneous spinal cord stimulation](#)”, *Journal of Neural Engineering*, Accepted. Pre-print: [bioRxiv](#), **2022**.  
*Editorial rejection from eLife*  
*Editorial rejection from Brain Stimulation*
2. **AN Dalrymple**, DA Roszko, RS Sutton, VK Mushahwar, “[Pavlovian control of intraspinal microstimulation to produce over-ground walking](#)”, *Journal of Neural Engineering*, vol 17(3), **2020**. Pre-print: [bioRxiv](#), 2019.  
*Reviewer rejection from Nature Machine Intelligence*  
*Editorial rejection from Nature Communications*  
*Editorial rejection from Nature*
3. **AN Dalrymple**, SA Sharples, N Osachoff, AP Lognon, PJ Whelan, “[A supervised machine learning approach to the characterization of spinal network function](#)”, *Journal of Neurophysiology*, vol 121(6):2001-12, **2019**.  
*Editorial rejection from J Physiology*

**CONFERENCE ABSTRACT REJECTIONS**

1. New York University SPiNES Seminar Series by Postdocs in Neuroscience, **2022**.
2. University of Pennsylvania P-SPINE Meeting for Postdoctoral Fellows, **2022**.
3. JE Ting, AN Dalrymple, R Bose, JK Trevathan, S Nieuwoudt, SF Lempka, M Franke, KA Ludwig, AJ Shoffstall, LE Fisher, DJ Weber, “Dorsal root ganglion stimulation with the Injectrode”, *Materials Research Society*, Honolulu, HI, USA, **2022**.