

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

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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

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
- 2020 CIHR Postdoctoral Fellowship
Quantifying the effects of transcutaneous spinal cord stimulation on spinal excitability and gait function in people with diabetic neuropathy
- 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 Scholarship
Restoring Walking after Incomplete Spinal Cord Injury: Development of an Adaptable Intraspinal Microstimulation Controller for Acute and Chronic Implementation
Rejection at National Level
- 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”. 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. 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**.