


**Simon A. Sharples, PhD**  
 Postdoctoral Research Fellow  
 Cincinnati Children's Hospital


Motor systems neuroscientist  
 Studying plasticity in spinal  
 circuits for movement

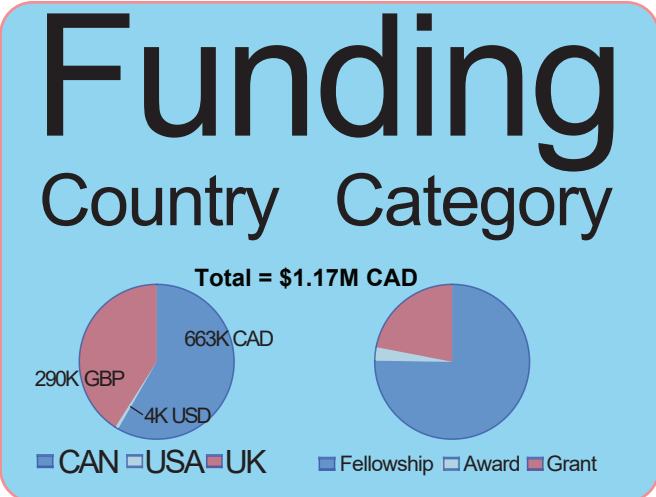
**Publications**  
 n=23, 645 citations  
**h-index: 12**  
**i10 factor: 15**

**Research Funding**  
 66 applications, 48% success  
 \$1.17M CAD, 30 awards, 3 countries

  
 18 Awards  
 \$663 K CAD

  
 2 Awards  
 \$4 K USD

  
 11 Awards  
 £296 K GBP



# Research

Interests



Motor Control  
Breathing  
Neuromodulation  
Development  
Spinal Cord Injury

Models

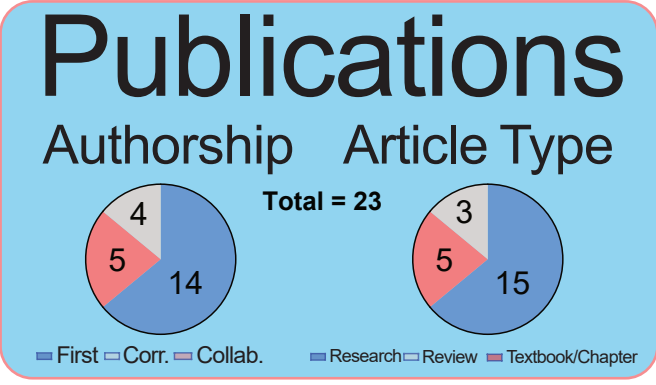


Rodents  
Humans

Tools



in vitro & in vivo models  
Electrophysiology  
Immunohistochemistry  
Microscopy  
Transcranial Magnetic Stimulation



**2026** CIHR Fellow (2022 - Present)

Cincinnati Children's Hospital Medical Center (2024)

- Lab skills: Spinal cord injury models, respiratory physiology, electromyography, patch clamp, IHC, microscopy
- Funders: CIHR, CCHMC, Bryon Riesch Paralysis Foundation

**2019** PhD Neuroscience (2012-2018)

**2019**

Newton Fellow (2019-2022)

University of Calgary (2012-2018)

- Lab skills: in vitro electrophysiology, IHC, microscopy
- Funders: NSERC, AIHS, HBI, UofC
- 4 Studentships (\$344K CAD), 10 Awards (\$24K CAD)
- 14 Publications (10 first, 2 Corresponding author), 1 Textbook

University of St Andrews (2019-2023)

- Lab skills: whole cell patch clamp, IHC, microscopy
- Funders: NSERC, The Royal Society, CIHR
- 3 Fellowships (£254K GBP), 8 Grants (£175K GBP)
- 5 Publications (2 first, 2 Corresponding author)

**2012** MSc Kinesiology (2010-2012)

**2010**

BSc Kinesiology (2006-2010)

**2006**

Wilfrid Laurier University (2010-2012)

- Lab skills: human neurophysiology: TMS, EMG
- Funders: NSERC, WLU
- 3 Studentships (\$60K CAD), 2 Awards (\$2K CAD)
- 3 First author publications

Wilfrid Laurier University (2006-2010)

- Cumulative GPA: 10.7
- 5 Awards (\$2.5K CAD)