

DR. GRAHAM P. HOLLOWAY

CURRICULUM VITAE

CURRENT STATUS

Professor with Tenure

Associate Dean of Research and Graduate Studies, College of Biological Science (2022-ongoing)

EDUCATION

2007	PhD	Human Health and Nutritional Sciences	University of Guelph (Advisor Dr. LL Spriet)
2004	MSc	Kinesiology	University of Waterloo (Advisor Dr. HJ Green)
2002	B.Kin	Kinesiology (Honors)	McMaster University

ACADEMIC, RESEARCH AND INDUSTRIAL EXPERIENCE

2023 - present	Professor University of Guelph, Dept of Human Health and Nutritional Sciences
2013 - 2023	Associate Professor University of Guelph, Dept of Human Health and Nutritional Sciences
2009 - 2013	Assistant Professor University of Guelph, Dept of Human Health and Nutritional Sciences

RECENT RECOGNITIONS:

Petrick et al., Diabetes 2022- Focus of several editorials, UofG news and CTV interview
Petrick et al., Journal of Physiology, 2020 – Received a journal club, and focus of an editorial
Petrick et al., MSSE, 2021 – Focus of several editorials and popular press news articles
Petrick et al., Journal of Physiology, 2020 – Editor's choice, journal club, and focus of an editorial
Petrick et al., Journal of Physiology, 2020 – Journal club article written about the paper
Petrick et al., Function, 2020 – Editorial article written about the paper
Dirks et al., Journal of Physiology, 2020 – Journal club article, focus of an editorial
Miotto et al., Diabetes, 2018 – Focus of several scientific commentaries and popular press news articles
Holloway et al., Cell Reports, 2018 – Editor's choice in Cell and Molecular Biology, focus of several scientific commentaries and popular press news articles, top 10 most downloaded articles across Cell journals, nominated for F1000 article
Miotto et al., AJP, 2018 – Focus of a journal commentary, chosen for an APS select journal
Miotto et al., Biochemical Journal, 2017 – Selected as an F1000 article

My students have been selected for prestigious oral presentations at international conferences (e.g. International Biochemistry of Exercise 2012, Experimental Biology 2015, American Diabetes Association 2020, European Obesity 2022) and won numerous poster awards.

PUBLICATIONS:

I have published a total of 147 manuscripts, been referenced over 9900 times and currently have an H-index of 51 and an i10 index 126. Of my 147 published manuscripts I am listed as first or last author on 90 manuscripts. The following represent select recent publications.

Barbeau PA,, and **Holloway GP**. Manipulation of dietary amino acid composition controls adiposity and improves cardiometabolic health. *Cell Reports*, Submitted, 2025.

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Cal K, et al. A nitroalkene derivative of salicylate alleviates diet-induced obesity by activating creatine metabolism and non-shivering thermogenesis. *Nature Metabolism*, 7(8): 1550-1569, 2025.

Res Sq(preprint) 2023 doi: 10.21203/rs.3.rs-3101395/v1

DesOrmeaux GJ, and **Holloway GP**. Dietary nitrate and resveratrol co-supplementation prevent HFD-mediated impairments in brain blood flow and behavioral parameters in the cortex of male mice. *Journal of Neurochemistry*, submitted, 2025.

DesOrmeaux GJ, and **Holloway GP**. Excessive training does not induce mitochondrial dysfunction or impair insulin signaling within skeletal muscle. *Journal of Physiology*, re-submitted, 2025.

Dowling JL, Handy RM, Notaro NM, Frangos SM, Dyck DJ and **Holloway GP**. Limited mitochondrial short-chain fatty acid oxidation in skeletal muscle is additively enhanced by high fat feeding and exercise training. *Journal of Physiology*, re-submitted, 2025.

Handy RM, and **Holloway GP**. Combined nitrate and resveratrol supplementation enhances the peripheral tissue response to exercise training in a high-lipid environment. *FASEB*, submitted, 2025.

Holwerda AM, and **Holloway GP**. Mitochondrial bioenergetics are not associated with myofibrillar protein synthesis rates. *Journal of Cachexia, Sarcopenia and Muscle*. 15(5): 1811-1822, 2024.

PRESENTATIONS:

I have been invited to provide ~30 international presentations, write 4 book chapters and provide a pod-cast on Inside Exercise. The following are select recent invited lectures.

Holloway GP. Mitochondrial bioenergetics across the movement spectrum. **Australian Physiology Society**, Melbourne, Australia, November 18 2023.

Holloway GP. Regulation of fuel selection during exercise. **European Muscle Conference**, Florence, Italy, September 12 2023.

Holloway GP. Mitochondrial bioenergetics as a nexus-point for the beneficial effects of nitrate in diverse tissues. **Mitochondrial Physiology Society**, Innsbruck, Austria, July 23 2023.

Holloway GP. Mitochondrial bioenergetics with obesity. **University of Paris Research Day**, Paris, France, July 2 2023.

Holloway GP. Revisiting the importance of mitochondrial bioenergetics in obesity-related insulin resistance. **European Congress of Obesity**, Dublin, Ireland, May 23 2023.

Holloway GP. Mitochondrial bioenergetics in peripheral tissues with insulin resistance. **International Biochemistry of Exercise Conference**, Toronto, June 3, 2022.

Holloway GP. Nutritional approaches to modulate mitochondrial bioenergetics. **European College of Sport Science**, online meeting, Sept 2 2021.