

Appendix 1: Complete Members Contributions between May 1, 2019– April 30, 2020

Abdul-Sater, Ali A.

Funding Received:

Canadian Institutes of Health Research (CIHR) – Project Grant

Dissecting The Role Of TRAF1 In Regulating Linear Ubiquitination And The Impact On Inflammatory Diseases.

2019/4 – 2024/4, Total Funding - \$803,250

Arthritis Foundation – Stars Career Development Award

A Mouse Model To Design Therapies Targeting TRAF1 In Rheumatoid Arthritis

2019/1 – 2022/1, Total Funding - \$375,000

Awards Received:

Bhagirath Singh Early Career Award In Infection And Immunity (\$16,667). Awarded By CIHR For The Top Scoring Project Grant In The Panel Throughout The Competition.

Peer-reviewed publications:

Ardavan Jafari[#], David M. Ojcius, Laxmi Yeruva, Christian Schindler and **Ali A. Abdul-Sater***. *Dicer Controls The Activation Of NLRP3 Inflammasomes. PLoS One April 2019 (Accepted)*

Adegoke, Olasunkanmi

Publications:

Interactions Of The Super Complexes: When Mtorc1 Meets The Proteasome. Adegoke OAJ, Beatty BE, Kimball SR, Wing SS. *Int J Biochem Cell Biol.* 2019 Dec;117:105638. Review.

Depletion Of Branched-Chain Aminotransferase 2 (BCAT2) Enzyme Impairs Myoblast Survival And Myotube Formation. Dhanani ZN, Mann G, Adegoke OAJ. *Physiol Rep.* 2019 Dec;7(23):e14299. doi: 10.14814/phy2.14299.

Backx, Peter

Publications:

Yimu Zhao, Naimeh Rafatian, Nicole T. Feric, Brian Cox, Roozbeh Aschar-Sobbi, Erika Yan Wang, Praful Aggarwal, Boyang Zhang, Genevieve Conant, Kacey Ronaldson-Bouchard, Aric Pahnke, Stephanie Protze, Jee Hoon Lee, Locke Davenport Huyer, Danica Jekic, Anastasia Wickeler, Hani Naguib, Gordon M. Keller, Gordana Vunjak-Novakovic, Ulrich Broeckel, **Peter H. Backx****, Milica Radisic** A platform for generation of chamber specific cardiac tissues and disease modelling. *Cell* 176(4): 913-927, 2019. ** Co-senior authors

Hughes MC, Ramos SV, Turnbull PC, Edgett BA, Huber JS, Polidovitch N, Schlattner U, **Backx PH**, Simpson JA, Perry CGR. Impairments in left ventricular mitochondrial bioenergetics precede overt cardiac dysfunction and remodelling in Duchenne muscular dystrophy. *J Physiol*. 598(7):1377-1392, 2020.

Wu J, You J, Wang X, Wang S, Huang J, Xie Q, Gong B, Ding Z, Ye Y, Wang C, Kang L, Xu R, Li Y, Chen R, Sun A, Yang X, Jiang H, Yang F, **Backx PH**, Ge J, Zou Y Left ventricular response in the transition from hypertrophy to failure recapitulates distinct roles of Akt, β -arrestin-2, and CaMKII in mice with aortic regurgitation. *Ann Transl Med*. 8(5):219, 2020

Li X, Zheng S, Tan W, Chen H, Li X, Wu J, Luo T, Ren X, Pyle WG, Wang L, **Backx PH**, Huang R, Yang FH. Slit2 Protects Hearts Against Ischemia-Reperfusion Injury by Inhibiting Inflammatory Responses and Maintaining Myofilament Contractile Properties. *Front Physiol*. 11:228, 2020.

Lidington D, Fares JC, Uhl FE, Dinh DD, Kroetsch JT, Sauvé M, Malik FA, Matthes F, Vanherle L, Adel A, Momen A, Zhang H, Aschar-Sobbi R, Foltz WD, Wan H, Sumiyoshi M, Macdonald RL, Husain M, **Backx PH**, Heximer SP, Meissner A, Bolz SS. CFTR Therapeutics Normalize Cerebral Perfusion Deficits in Mouse Models of Heart Failure and Subarachnoid Hemorrhage. *JACC Basic Transl Sci*. 4(8):940-958, 2020.

Biro, Olivier

Publications:

Nwadozi, E., Rudnicki, M., De Ciantis, M., Milkovich, S., Pulbere, A., Roudier, E., **Biro, O.**, Gustafsson, T., Ellis, C. G., & Haas, T. L. (2020). High-Fat Diet Pre-Conditioning Improves Microvascular Remodelling During Regeneration Of Ischaemic Mouse Skeletal Muscle. *Acta Physiologica (Oxford, England)*, 229(1), e13449. <https://doi.org/10.1111/apha.13449>

Di Bacco, V. E., Taherzadeh, M., **Biro, O.**, & Gage, W. H. (2020). The Effects Of Single Versus Multiple Training Sessions On The Motor Learning Of Two Krav Maga Strike Techniques, *In Women*. *PeerJ*, 8, e8525. <https://doi.org/10.7717/peerj.8525>

Ceddia, Rolando

Publications:

Effting, P. S., Brescianini, S., Sorato, H. R., Fernandes, B. B., Fidelis, G., Silva, P., Silveira, P., Nesi, R. T., **Ceddia, R. B.**, & Pinho, R. A. (2019). Resistance Exercise Modulates Oxidative Stress Parameters and TNF- α Content in the Heart of Mice with Diet-Induced Obesity. *Arquivos Brasileiros de Cardiologia*, 112(5), 545–552. <https://doi.org/10.5935/abc.20190072>

Cheng, Arthur

Funding Received:

NSERC Discovery Grant

Novel Fatigue-Related Mechanisms Driving Post-Exercise Recovery and Skeletal Muscle Adaptations and Dysfunction.

2020-2025, Total funding - \$28,500 per year.

NSERC Discovery (Early Career Researcher Launch Supplement) Amounting To A One-Time 04/2020, Total Funding - \$12,500.

Ontario Research Fund

Investigating The Role Of Intracellular Calcium Dynamics On Skeletal Muscle Function In Aged Muscle. 2/2019, Total - \$150,000

Peer-reviewed publications:

Cheng, A.J., Chaillou, T., Kamandulis, S., Subocius, A., Westerblad, H., Brazaitis, M., Venckunas, V. (2020). Carbohydrates Do Not Accelerate Force Recovery After Glycogen- Depleting Followed By High-Intensity Exercise In Humans. *Scandinavian Journal of Medicine & Science In Sports*. DOI:10.1111/sms.13655.

Cheng, A.J., Jude, B., Lanner, J.T. (2020). Intramuscular Mechanisms of Overtraining. *Redox Biology*. DOI:10.1016/j.redox.2020.101480.

Glass, L.D., **Cheng, A.J.**, MacIntosh, B.R. (2020). Calcium Sensitivity During Staircase With Sequential Incompletely Fused Contractions. *J. Muscle Res. Cell Motility*. DOI:10.1007/s10974-019-09572-4.

Olsson, K., **Cheng, A.J.**, Al-Ameri, M., Wyckelsma, V.L., Rullman, E., Westerblad, H., Lanner, J.T., Gustafsson, T., Bruton, J.D. (2020). Impaired Sarcoplasmic Reticulum Ca²⁺ Release Is The Major Cause Of Fatigue-Induced Force Loss In Intact Single Fibres From Human Intercostal Muscle. *Journal of Physiology*. DOI: 10.1113/JP279090.

Connor, Michael. K.

Publications:

Turnbull, P. C., Dehghani, A. C., Theriau, C. F., **Connor, M. K.**, & Perry, C. (2019). Synergistic Activation of Mitochondrial Metabolism and The Glutathione Redox Couple Protects Hepg2 Hepatocarcinoma Cells From Palmitoylcarnitine-Induced Stress. *American Journal of Physiology. Cell Physiology*, 317(6), C1324–C1329. <https://doi.org/10.1152/ajpcell.00366.2019>

Drake, Janessa D. M.

Funding Received:

Ministry of Labour (MOL): Centre of Research Expertise for the Prevention of Musculoskeletal Disorders (CRE-MSD)

Functional implications of dynamic and fixed chairs and keyboard systems on musculoskeletal responses during a prolonged seating exposure.

March 2018- August 2019

\$9,800 (Co-Researcher; Lead Research is my MSc Mario Simone, Co-Researcher is my PhD Heather Johnston)

NSERC Discovery Grant

Thoracic and Lumbar Spine Biomechanics, May 2019- April 2024 (Notified April 2019)

\$40,000/year (\$200,000 total)

Publications:

Schinkel-Ivy, A., & **Drake, J.** (2019). Interaction Between Thoracic Movement and Lumbar Spine Muscle Activation Patterns in Young Adults Asymptomatic for Low Back Pain: A Cross-Sectional Study. *Journal of Manipulative and Physiological Therapeutics*, 42(6), 461–469. <https://doi.org/10.1016/j.jmpt.2018.11.022>

Edgell, Heather

Funding Received:

Canadian Institutes for Health Research (CIHR) Research Grant

Myalgic Encephalomyelitis (ME) Network Catalyst Grant

2019, Total Funding - \$1,400,000 for the creation of a national collaborative network of researchers and knowledge users concerned with chronic fatigue syndrome/ME – Member of the Steering Committee

Peer-reviewed publications:

Robertson A, *Papadima I, and **Edgell H** (2020) Sex Differences In The Cerebrovascular Response To Upright Tilt Are Associated With Disparate Autonomic Responses Between Men And Women. Submitted to Scientific Reports

Kirk V, **Edgell H**, *Joshi H, Constantin E, Katz SL, and MacLean JE (2020) Cardiovascular Changes In Children With Obstructive Sleep Apnea And Obesity After Treatment With Non-Invasive Ventilation. *Submitted To Journal Of Clinical Sleep Medicine* JC-20-00174

Nardone M, Guzman J, Harvey P, Floras J, and **Edgell H** (2020) Effect Of A Neck Compression Collar On Cardiorespiratory And Cerebrovascular Function In Postural Orthostatic Tachycardia Syndrome (POTS). *J Appl Physiol* March 12 [EPub ahead of print]

Invited presentations:

Toronto Rumsey Centre – Sex Differences in Cardiac Rehabilitation and Modified Exercise Programming for Women – September 19th, 2019

Gage, William

Publications:

Verniba D, **Gage WH**. (accepted for publication, July 23, 2019). Stepping Threshold with Platform-Translation and Shoulder-pull Perturbation Paradigms. *Journal of Biomechanics*.

Kiriella JB, DiBacco V, Hollands K, **Gage WH**. (accepted for publication, June 20, 2019). Evaluation of the effects of prescribing gait Complexity Using several Fluctuating Timing Temperatives. *Journal of Motor Behavior*.

Street BD, Gage W. (2019) Younger Total Knee Replacement Patients Do Not Demonstrate Gait Asymmetry for Heel Strike Transient or Knee Joint Moments That Are Observed in Older Patients. *J Appl Biomech*. 35(2):140-148.

Abstracts:

Power CR, Kiriella JB, Drake J, Gage WH. (2019). Adaptability of Human Gait: Effect Of Training With Red Noise Auditory Stimuli On Gait Fluctuation Patterns. *International Society for Posture and Gait Research Biannual Meeting, Edinburgh, United Kingdom*.

Di Bacco VE, KiriellaJB, Hollands KL, Gage WH. (2019). Retention of Entrained Auditory Fractal Patterns During Gait. *International Society For Posture And Gait Research Biannual Meeting, Edinburgh, United Kingdom*.

Haas, Tara

Publications:

Nwadozi, E., Rudnicki, M., & **Haas, T. L.** (2020). Metabolic Coordination of Pericyte Phenotypes: Therapeutic implications. *Frontiers in Cell and Developmental Biology*, 8, 77. <https://doi.org/10.3389/fcell.2020.00077>

Nwadozi, E., Rudnicki, M., De Ciantis, M., Milkovich, S., Pulbere, A., Roudier, E., Birot, O., Gustafsson, T., Ellis, C. G., & **Haas, T. L.** (2020). High-Fat Diet Pre-Conditioning Improves Microvascular Remodelling During Regeneration of Ischaemic Mouse Skeletal Muscle. *Acta Physiologica (Oxford, England)*, 229(1), e13449. <https://doi.org/10.1111/apha.13449>

Hamadeh, Mazen

Publications:

Kolahdouzan M, Seevaratnam R, Tarnopolsky MA, **Hamadeh MJ**. Coffee and chlorogenic acid attenuate, while caffeine exacerbates, disease pathophysiology in the female G93A mouse model of amyotrophic lateral sclerosis. *Frontiers Nutr* 2020 (in revision; ms# 686237).

Moghimi E, Gianforcaro A, Solomon JA, **Hamadeh MJ**. Vitamin D3 supplementation at 50x the adequate intake attenuates disease pathophysiology in the spinal cord of male, but is toxic in female, G93A mouse model of amyotrophic lateral sclerosis. *CNS Neurosci Ther* 2020 (in revision; ms# CNSNT-2017-066).

Alabdulkader S, Solomon JA, **Hamadeh MJ**. Moderate improvement in vitamin D status reduces T2DM sequelae in non-white, ethnically diverse, postmenopausal women. *Am J Clin Nutr* 2020 (in revision; ms# AJCN/2014/096404R1).

Seevaratnam R, Tarnopolsky MA, **Hamadeh MJ**. Coffee is more effective than caffeine and chlorogenic acid in reducing oxidative stress, inflammation and the pro-apoptotic Bax in male G93A mice. *PLoS One* 2020 (in revision; ms# PONE-D-11-12506R1).

Awards:

2020 Nominated for the Dean's Award for Excellence in Service and Engagement Impact (Established Career), Faculty of Health, York University

2019 Golden Key International Honour Society Honourary Member

Hood, David

Funding Received:

Canadian Institutes for Health Research (CIHR) Research Grant

Mitophagy and lysosomal biogenesis in aging muscle
2018-23, Total Funding - \$722,925 (144,585 per year).

Natural Sciences and Engineering Research Council Research Tools and instruments Grant
Flow Cytometer for Muscle Health Research, 2020-2021, \$149,600

Awards:

Canadian Association of Graduate Studies Mentorship Award Finalist 2019 (top 5 nationally)

Publications:

Hood, D.A., J.M. Memme, A.N. Oliveira and M. Triolo. Maintenance of Skeletal Muscle Mitochondria in Health, Exercise, and Aging. *Ann. Rev. Physiol.* 81:19-41, 2019.

Memme, J. M., Erlich, A. T., Phukan, G., & **Hood, D. A.** (2019). Exercise and Mitochondrial Health. *The Journal of Physiology*, 10.1113/JP278853. Advance online publication.
<https://doi.org/10.1113/JP278853>

Zhang, Y., Oliveira, A. N., & **Hood, D. A.** (2020). The Intersection of Exercise and Aging on Mitochondrial Protein Quality Control. *Experimental Gerontology*, 131, 110824.
<https://doi.org/10.1016/j.exger.2019.110824>

Kirkland, A., B.T. Gearity, **D. A. Hood** et al. Comment on CrossTalk43: Exercise Training Intensity Is/Is Not More Important Than Volume to Promote Increases In Human Skeletal Muscle Mitochondrial Content. *J. Physiol.* 0.0: 1-11, 2019.

Erlich, A. T. and **D. A. Hood**. Mitophagy Regulation n Skeletal Muscle: Effect Of Endurance Exercise And Age. *Journal of Science in Sport and Exercise*. Accepted September 25, 2019

Oliveira, A. N. and **D. A. Hood**. Exercise is mitochondrial medicine for muscle. *Sports Medicine Health Science*. 1:000-000, 2019

M. Triolo, and **D. A. Hood** Mitochondrial Breakdown in Skeletal Muscle and The Emerging Role of Lysosomes. *Arch. Biochem. Biophys.* 661:66-73, 2019.

Kim, Y., M. Triolo, A. T Erlich, and **D. A. Hood**. Regulation of Autophagic And Mitophagic Flux During Chronic Contractile Activity-Induced Muscle Adaptations. *Pflugers Arch.* 471:431-440, 2019.

Hynes, Loriann

Funding Received:

Maple League of Universities

Maple League Teaching & Learning Centre, Innovative Pedagogies Fund
2019, Total Funding - \$10,000

SSHRC Institutional Grant

SIG Committee, Acadia University
2019, Total Funding - \$2997

Awards Received:

Certified Writing Award: Canadian Athletic Therapists Association, 2020

Publications:

Peisachovich E, Da Silva C, Gal R, Boni M, **Hynes LM**. (March 6, 2020) Exploring the Experiences of Learners Exposed to Simulated Person Methodology with an Athletic Therapy Course. *Cureus* 12(3): e7194. doi:10.7759/cureus.7194

Hurtubise JM, Gorbet DJ, **Hynes LM**, Macpherson AK, Sergio LE. White matter integrity and its Relationship to Cognitive-Motor Integration in Females with and without Post-Concussion Syndrome. *Journal of Neurotrauma*. Ahead of print <http://doi.org/10.1089/neu.2019.6765>

Register-Mihalik JK, Guskiewicz KM, Marshall SW, McCulloch KL, Mihalik JP, Martin Mrazik, Murphy I, Naidu D, Ranapurwala SI, Schneider K, Gildner P, McCrea M, and **Active Rehab Study Consortium Investigators**. Methodology and Implementation of a Randomized Controlled Trial (RCT) for Early Post-Concussion Rehabilitation: *The Active Rehab Study*. *Front. Neurol.*, 08 November 2019 | <https://doi.org/10.3389/fneur.2019.01176>

Josse, Andrea

Publications:

Beaudry, K. M., Ludwa, I. A., Thomas, A. M., Ward, W. E., Falk, B., & **Josse, A. R.** (2019). First-Year University Is Associated With Greater Body Weight, Body Composition And Adverse Dietary Changes In Males Than Females. *PloS One*, *14*(7), e0218554.

<https://doi.org/10.1371/journal.pone.0218554>

Adebero, T., Mckinlay, B. J., Theocharidis, A., Root, Z., **Josse, A. R.**, Klentrou, P., & Falk, B. (2019). Salivary and Serum Concentrations of Cortisol and Testosterone At Rest and in Response to Intense Exercise in Boys Versus Men. *Pediatric Exercise Science*, 1–8. *Advance Online Publication*.

<https://doi.org/10.1123/Pes.2019-0091>

Thomas, A. M., Beaudry, K. M., Gammage, K. L., Klentrou, P., & **Josse, A. R.** (2019). Physical Activity, Sport Participation, And Perceived Barriers to Engagement In First-Year Canadian University Students. *Journal of Physical Activity & Health*, *16*(6), 437–446.

<https://doi.org/10.1123/jpah.2018-0198>

Theocharidis, A., McKinlay, B. J., Vlachopoulos, D., **Josse, A. R.**, Falk, B., & Klentrou, P. (2020). Effects of Post Exercise Protein Supplementation on Markers of Bone Turnover in Adolescent Swimmers. *Journal of The International Society of Sports Nutrition*, *17*(1), 20.

<https://doi.org/10.1186/s12970-020-00350-z>

Josse, A. R., Ludwa, I. A., Kouvelioti, R., Calleja, M., Falk, B., Ward, W. E., & Klentrou, P. (2020). Dairy Product Intake Decreases Bone Resorption Following A 12-Week Diet And Exercise Intervention In Overweight And Obese Adolescent Girls. *Pediatric Research*, 10.1038/S41390-020-0834-5. *Advance Online Publication*. <https://doi.org/10.1038/S41390-020-0834-5>

Kuk, Jennifer

Publications:

Randhawa AK, Ardern CI, **Kuk JL**: Changes in The Prevalence Of Chronic Conditions Associated With Abdominal Obesity Between 1999-2014 (Clinical Obesity – In Press)

Wharton S, **Kuk JL**, Luszczynski M, Kamran E, Christensen RAG: *Liraglutide 3.0mg for the Management of Insufficient Weight Loss or Excessive Weight Regain Post-Bariatric Surgery* (Clinical Obesity – 2019 Aug;9(4):e12323. doi: 10.1111/cob.12323. Epub 2019 Jun 10).

Lee S, Kim Y, **Kuk JL**: What Is The Role of Resistance Exercise In Improving Cardiometabolic Health of Adolescents With Obesity? (Journal of Obesity & Metabolic Syndrome – 2019 Jun;28(2):76-91. Doi: 10.7570/Jomes.2019.28.2.76. Epub 2019 Jun 30. Review)

Kuk JL, Lee S: Sex and Ethnic Differences in The Relationship Between Changes In Anthropometric Measurements And Visceral Fat In Adolescents With Obesity (J of Pediatrics – 2019 Oct;213:121-127. Doi: 10.1016/J.Jped.2019.05.052. Epub 2019 Jun 22)

Invited Presentations:

Truth versus Fiction – Causes of Obesity and the Effectiveness of Weight Loss Treatments (York Health Psychology Graduate Diploma Program Seminar Presentation, Sept 30, 2019).

McDermott, John

Publications:

Tripathi, S., Miyake, T., & **McDermott, J. C.** (2019). Smad7:β-catenin complex regulates myogenic gene transcription. *Cell Death & Disease*, 10(6), 387. <https://doi.org/10.1038/s41419-019-1615-0>

Arnò, B., Galli, F., Roostalu, U., Aldeiri, B. M., Miyake, T., Albertini, A., Bragg, L., Prehar, S., **McDermott, J. C.**, Cartwright, E. J., & Cossu, G. (2019). TNAP limits TGF-β-dependent cardiac and skeletal muscle fibrosis by inactivating the SMAD2/3 transcription factors. *Journal of Cell Science*, 132(15), jcs234948. <https://doi.org/10.1242/jcs.234948>

Öztürk, M., **McDermott, J. C.**, Laeseke, P. F., Nakada, S. Y., Hedican, S. P., Best, S. L., & Kleedehn, M. G. (2019). Management of Indiana pouch stones through a percutaneous approach: A single center experience. *Turkish Journal Of Urology*, 45(5), 366–371. <https://doi.org/10.5152/tud.2019.19049>

Miyake, T., Aziz, A., & **McDermott, J. C.** (2020). Maintenance of the Undifferentiated State in Myogenic Progenitor Cells by TGFβ Signaling is Smad Independent and Requires MEK Activation. *International Journal Of Molecular Sciences*, 21(3), 1057. <https://doi.org/10.3390/ijms21031057>

Perry, Christopher G. R.

Funding Received:

NSERC Discovery Grant

Regulation of mitochondrial bioenergetics in striated muscle
2019-2024, Total Funding - \$200,000

Awards Received:

2020 - President's Emerging Research Leadership Award (PERLA)

Invited Presentations:

Striated muscle mitochondrial bioenergetics in health and disease. *Ontario Exercise Physiology Annual Winter Meeting*, Barrie, ON (Keynote speaker, Feb. 2020)

Publications:

Monaco CMF, **Perry CGR**, Hawke TJ. Alterations In Mitochondrial Functions And Morphology In Muscle And Non-Muscle Tissues In Type 1 Diabetes: Implications For Metabolic Health. *Exp Physiol*. 2020 April; 105(4): 565-570.

Turnbull PC, Hughes, MC, **Perry CGR**. The Fatty Acid Derivative Palmitoylcarnitine Abrogates Colorectal Cancer Cell Survival By Depleting Glutathione. *Am J Physiol: Cell Physiol*. 2019 December 1; 317(6): C1278-1288.(Chosen By Editors: Highlighted For Distinction In Scholarship In *APS Select* (<https://www.physiology.org/apsselect/about>))

Islam H, Bonafiglia JT, Turnbull PC, Simpson CA, **Perry CGR**, Gurd BJ. The Impact of Acute and Chronic Exercise On Nrf2 Expression In Relation To Markers Of Mitochondrial Biogenesis In Human Skeletal Muscle. *Eur J Appl Physiol*. 2020 January; 120(1): 149-160.

Riddell, Michael

Funding Received:

Canadian Glycomics Network (GlycoNet) Strategic Initiatives Grant:

Elucidating the role of somatostatin in dysglycemia in a rodent model of type 2 diabetes.
April 1, 2019 - March 31, 2020 Total Funding - \$69,047.00

NSERC Operating Grant:

“Role of somatostatin signaling on pancreatic islet function and energy homeostasis”.
\$40,000/year for 5 years (May 1, 2018-April 2023)

Publications:

Zaharieva DP, McGaugh S, Davis EA, **Riddell MC**. Advances in Exercise, Physical Activity, and Diabetes. *Diabetes Technol Ther*. 2020;22(S1):S109–S118. doi:10.1089/dia.2020.2508

Scott SN, Anderson L, Morton JP, Wagenmakers AJM, **Riddell MC**. Carbohydrate Restriction in Type 1 Diabetes: A Realistic Therapy for Improved Glycaemic Control and Athletic Performance? *Nutrients*. 2019 May 7;11(5). pii: E1022. doi:10.3390/nu11051022. Review. *PubMed PMID: 31067747*.

Riddell MC, Pooni R, Fontana FY, Scott SN. Diabetes Technology and Exercise. *Endocrinol Metab Clin North Am*. 2020;49(1):109–125. doi:10.1016/j.ecl.2019.10.011

McCarthy O, Eckstein ML, Scott SN, Fontana FY, Christiansen MP, Stettler C, Fisher M, Bode B, **Riddell MC**, Hayes C, Lagrou PL, Southerland P, Moser O, Bracken RM. Glycemic Responses To Strenuous Training In Male Professional Cyclists With Type 1 Diabetes: A Prospective Observational Study. *BMJ Open Diabetes Res Care*. 2020;8(1):e001245. doi:10.1136/bmjdr-2020-001245

Scott SN, Christiansen MP, Fontana FY, Stettler C, Bracken RM, Hayes CA, Fisher M, Bode B, Lagrou PH, Southerland P, **Riddell MC**. Evaluation of Factors Related to Glycemic Management in

Professional Cyclists With Type 1 Diabetes Over a 7-Day Stage Race. *Diabetes Care*. 2020;43(5):1142–1145. doi:10.2337/dc19-2302

Jendle JH, **Riddell MC**. Editorial: *Physical Activity and Type 1 Diabetes*. *Front Endocrinol (Lausanne)*. 2019 Dec 6;10:860. doi: 10.3389/fendo.2019.00860. eCollection 2019. *PubMed PMID: 31866952; PubMed Central PMCID: PMC6908475*.

Potashner D, Brown RE, Li A, **Riddell MC**, Aronson R. Paradoxical Rise in Hypoglycemia Symptoms With Development of Hyperglycemia During High-Intensity Interval Training in Type 1 Diabetes. *Diabetes Care*. 2019 Oct;42(10):2011-2014. doi: 10.2337/dc19-0609. *Epub 2019 Aug 7. PubMed PMID: 31391201*

Brockman NK, Sigal RJ, Kenny GP, **Riddell MC**, Perkins BA, Yardley JE. Sex-Related Differences in Blood Glucose Responses to Resistance Exercise in Adults With Type 1 Diabetes: A Secondary Data Analysis. *Can J Diabetes*. 2019 Aug 22. pii: S1499-2671(19)30596-9. doi: 10.1016/j.jcjd.2019.08.006. [*Epub ahead of print*] *PubMed PMID: 31623995*.

Zaharieva DP, Cinar A, Yavelberg L, Jamnik V, **Riddell MC**. No Disadvantage to Insulin Pump Off vs Pump On During Intermittent High-Intensity Exercise in Adults With Type 1 Diabetes. *Can J Diabetes*. 2019 Jun 7. pii: S1499-2671(18)31006-2. doi: 10.1016/j.jcjd.2019.05.015. [*Epub ahead of print*] *PubMed PMID: 31416695*.

Zaharieva DP, Turksoy K, McGaugh SM, Pooni R, Vienneau T, Ly T, **Riddell MC**. Lag Time Remains with Newer Real-Time Continuous Glucose Monitoring Technology During Aerobic Exercise in Adults Living with Type 1 Diabetes. *Diabetes Technol Ther*. 2019 Jun;21(6):313-321. doi: 10.1089/dia.2018.0364. *Epub 2019 May 6. PubMed PMID: 31059282; PubMed Central PMCID: PMC6551983*.

Kordonouri O, **Riddell MC**. Use Of Apps For Physical Activity In Type 1 Diabetes: Current Status And Requirements For Future Development. *Ther Adv Endocrinol Metab*. 2019 Apr eCollection 2019. Review. *PubMed PMID: 3103721*.

Li A, **Riddell MC**, Potashner D, Brown RE, Aronson R. Time Lag and Accuracy of Continuous Glucose Monitoring During High Intensity Interval Training in Adults with Type 1 Diabetes. *Diabetes Technol Ther*. 2019 May;21(5):286-294. doi: 10.1089/dia.2018.0387. *Epub 2019 Apr 24. PMID: 31017497*

Scimè, Anthony

Publications:

Bhattacharya, D., & Scimè, A. (2019). Metabolic Regulation Of Epithelial To Mesenchymal Transition: Implications For Endocrine Cancer. *Frontiers In Endocrinology*, 10, 773. <https://doi.org/10.3389/fendo.2019.00773>

Sweeney, Gary

Funding:

PI for IDRC Canada-Israel Diabetes Research Team Grant (2019-2022)

Awards:

Tier 1 York Research Chair (2019-2022)

Publications:

Liu, Y., Vu, V., & **Sweeney, G.** (2019). Examining The Potential Of Developing And Implementing Use Of Adiponectin-Targeted Therapeutics For Metabolic And Cardiovascular Diseases. *Frontiers in Endocrinology*, 10, 842. <https://doi.org/10.3389/fendo.2019.00842>

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