

Centre for
Metabolism,
Obesity and
Diabetes Research

Annual Report
2020





Table of Contents

Welcome from the Co-Directors	2
MODR Administration	3
MODR Members	4
New Member Spotlight	6
MODR Trainee Committee	9
Member Highlights	10
8 th Annual Symposium	13
MODR Seminar Series	14
Trainee Development Series	16
Active Grants	17
Awards, Honors and New Roles	18
MODR Graduates	22
Publication Metrics	23
Publication Highlights	24
Papers and Publications	26



MESSAGE FROM THE CO-DIRECTORS

In spite of the challenges of the past year, McMaster University's Centre for Metabolism, Obesity and Diabetes Research (MODR) has many accomplishments to be proud of! As we adapted to a virtual community, MODR investigators were able to maintain care of our patient populations, mentorship of our trainees, collaboration amongst our colleagues and scientific productivity. In this report we are delighted to present our collective advancements and highlight key contributions of our faculty and trainees!



MODR's team of over 40 faculty members continues to grow, as we welcomed investigators Rahul Chanchlani, Department of Pediatrics, Aristithes Doumouras, Department of Surgery, and Marco Puglia, Department of Medicine. This growth further extends the multi-disciplinary nature of MODR and strengthens our collaborative ties between disciplines. It inspires new research and propels rapid bidirectional translation of research findings.

Our 8th annual MODR symposium, delivered this year utilizing a virtual platform, incorporated both international and local expertise on the topic of "*Environmental Toxicants, the Microbiome and Adipose Tissue Metabolism*". The virtual platform broadened our audience, which continued to grow in our bi-weekly seminar series. Hosted by our engaged MODR Trainee committee, the seminar series included internationally renowned scientists while continuing to highlight the work of our faculty & trainees at McMaster. The student development series (also led by MODR trainees) continued to grow in 2020 and hosted mentors such as industry professionals and past trainees.



Throughout this report you will observe transdisciplinary collaboration that has persevered through a challenging year. We are proud of the continued engagement and commitment of the MODR members to precipitate knowledge, translate across disciplines and develop future scientists focussed on metabolism, obesity and diabetes research.

MODR ADMINISTRATION



Nora Roberge
Pediatrics
Administrative Assistant
nroberge@mcmaster.ca

Elizabeth Gunn, BKin, MSc
Pediatrics
Clinical Research Coordinator
gunne@mcmaster.ca

James Lally, PhD
Medicine
Pre-Clinical Research Coordinator
lallyjs@mcmaster.ca

MODR MEMBERS

Sonia Anand, MD, PhD

Professor
Medicine, Cardiology
Health Research Methods,
Evidence, and Impact

Laura Anderson, PhD

Assistant Professor
Health Research Methods,
Evidence, and Impact

Richard Austin, PhD

Professor
Medicine, Nephrology

**Karen Bailey, MD, FRCSC,
FACS**

Associate Professor
Surgery
Pediatrics

**Ereny Bassilious, MD, FRCPC,
FAAP**

Associate Professor
Pediatrics, Endocrinology &
Metabolism

Russell Brown, MD, FRCPC

Assistant Professor
Anesthesia

Rahul Chanchlani

Associate Professor
Pediatrics, Nephrology

Tony Chetty, MD, FRCPC

Associate Professor
Pathology & Molecular Medicine,
Anatomical Pathology

Russell De Souza, ScD, RD

Associate Professor
Health Research Methods,
Evidence, and Impact

**Aristithes Gerard Doumouras,
MD, MPH, FRCSC**

Assistant Professor
Surgery, General Surgery

**Hertzel Gerstein, MD, MSc,
FRCPC**

Professor
Medicine, Endocrinology &
Metabolism

Martin Gibala, PhD

Professor
Kinesiology

Thomas Hawke, PhD

Professor
Pathology & Molecular Medicine,
Anatomy

Alison Holloway, PhD

Professor
Obstetrics & Gynecology,
Reproductive Biology (Basic
Science)

Eileen Hutton, PhD

Professor Emeritus
Midwifery Education Program

**Waliul Khan, PhD, FRCPath
(UK)**

Professor
Pathology & Molecular Medicine,
Clinical Pathology

**Joan Krepinsky, MSc, MD,
FRCPC**

Professor
Medicine, Nephrology

Matt Kwan, PhD

Assistant Professor
Family Medicine

Vladimir Ljubcic, PhD

Associate Professor
Kinesiology

Andrew McArthur, PhD

Associate Professor
Biochemistry & Biomedical
Sciences

**Sarah McDonald, MD, MSc,
FRCSC**

Professor
Obstetrics & Gynecology,
Maternal Fetal Medicine

**Natalia McInnes, MD, MSc,
FRCPC**

Associate Professor
Medicine, Endocrinology &
Metabolism

**Katherine Morrison, MD,
FRCPC**

Professor
Pediatrics, Endocrinology &
Metabolism

Michael Noseworthy, PhD

Professor
Electrical & Computer
Engineering
Biomedical Engineering

MODR MEMBERS CONTINUED

Joyce Obeid, PhD
Assistant Professor
Pediatrics

Nikhil Pai, MD, FAAP, FRCPC
Assistant Professor
Pediatrics, Gastroenterology

Guillaume Pare, MD, MSc
Associate Professor Pathology &
Molecular Medicine
Health Research Methods,
Evidence, and Impact

Stuart Phillips, PhD
Professor
Kinesiology

Marie Pigeyre, MD, PhD
Assistant Professor
Medicine, Endocrinology &
Metabolism

Marco Puglia, MD, FRCPC
Associate Professor
Medicine, Gastroenterology

Zubin Punthakee, MD, FRCPC
Associate Professor
Medicine, Endocrinology &
Metabolism

Sandeep Raha, PhD
Associate Professor
Pediatrics

**Elyanne Ratcliffe, MD, FRCPC,
PhD**
Assistant Professor
Pediatrics, Gastroenterology

Constantine Samaan, MD, MSc
Professor
Pediatrics, Endocrinology &
Metabolism

Jonathan Schertzer, PhD
Associate Professor
Biochemistry & Biomedical
Sciences

Diana Sherifali, RN, PhD, CDE
Associate Professor
Nursing

Deborah Sloboda, PhD
Professor
Biochemistry & Biomedical
Sciences

Jennifer Stearns, PhD
Assistant Professor
Medicine, Gastroenterology

Gregory Steinberg, PhD
Professor
Medicine, Endocrinology &
Metabolism

Michael Surette, PhD
Professor
Medicine, Gastroenterology

**Mark Tarnopolsky, MD, PhD,
FRCPC**
Professor
Pediatrics, Neuromuscular &
Neurometabolic Disease
Medicine, Neurology

Jean-Eric Tarride, PhD
Professor
Health Research Methods,
Evidence, and Impact

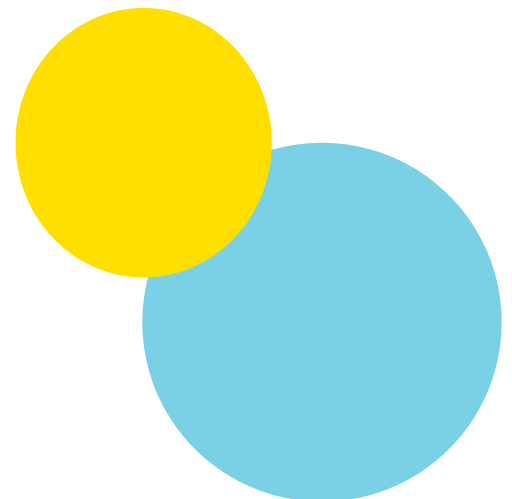
Brian Timmons, PhD
Associate Professor
Pediatrics

Bernardo Trigatti, PhD
Professor
Biochemistry & Biomedical
Sciences

**Theos Tsakiridis, MSc, PhD,
MD, FRCPC**
Associate Professor
Pathology and Molecular
Medicine, Oncology

Gita Wahi, MD, FRCPC
Associate Professor
Pediatrics, General Pediatrics

Geoff Werstuck, PhD
Professor
Medicine, Hematology &
Thromboembolism



NEW MEMBER SPOTLIGHT

Dr. Rahul Chanchlani, MD
Associate Professor
Pediatrics, Nephrology



Dr. Rahul Chanchlani joined the Department of Pediatrics and McMaster Children's Hospital in September 2015 as an Assistant Professor in the Division of Nephrology. He completed a Master's in Clinical Epidemiology and Clinician Investigator Program from the University of Toronto. He is an Associate Faculty in the Department of Health Research Methods, Evidence, and Impact (HEI) and an Adjunct Scientist at the Institute for Clinical Evaluative Sciences (ICES).

Dr. Chanchlani's research program aims to promote interdisciplinary research collaborations among peers and experts to address knowledge gaps in key renal diseases using health administrative databases. As principal investigator, his research on acute kidney injury and hypertension is supported by grants from Hamilton Health Sciences New Investigator Award (2017), Physician Services Incorporated Grant (2018), Kidney Foundation of Canada Grant (2019) and an Early Career Award by Hamilton Health Sciences (2020) and has published >45 manuscripts so far.

Dr. Chanchlani is one of 14 candidates from 12 countries selected to participate in the International Society of Nephrology Emerging Leaders Program. The program provides early-career professionals in integrated kidney care the opportunity to work with international experts in the field preparing them for leadership roles in the advancement of global kidney care.

NEW MEMBER SPOTLIGHT

Dr. Aristithes Gerard Doumouras, MD
Assistant Professor
Surgery, General Surgery



Dr. Doumouras is a staff surgeon in Minimally Invasive and Bariatric Surgery at St. Joseph's Healthcare and an Assistant Professor at McMaster University. He completed his Clinical Fellowship in Bariatric and Minimally Invasive Surgery at St. Joseph's Healthcare and his General Surgery training at McMaster University. He received his MD degree from Queen's University. During residency, Dr. Doumouras was awarded the Juravinski Fellowship from the McMaster Department of Surgery as well as a Knox Fellowship from Harvard University to pursue graduate studies at Harvard where he obtained a Master of Public Health degree with a focus on Epidemiology and Biostatistics.

Dr. Doumouras has a passion for clinical research and brings a broad research background in bariatric, minimally invasive and endoscopic surgery highlighted by his CV and his appointment as an Adjunct Scientist at the Institute for Clinical Evaluative Sciences (ICES). He has published more than 80 papers principally relating to surgical outcomes, geographic access and costs, with a track record of being published in high impact journals such as Circulation, JAMA Surgery and Annals of Internal Medicine. He has won several awards for his research including an SSAT Career Development Award, a Constantine Douketis New Researcher Award for the Research Institute at St. Joseph's Healthcare Hamilton and first prize at the Resident and Fellow Research Competition at SAGES 2018.

His current research interests include clinical trials in bariatric surgery/obesity, biomarkers/microbiome/genomics in obesity and bariatric surgery and observational studies in bariatric surgery in Ontario.

NEW MEMBER SPOTLIGHT

Dr. Marco Puglia, MD
Associate Professor
Medicine, Gastroenterology



Dr. Marco Puglia is a Gastroenterologist / Hepatologist at Hamilton Health Sciences. He is an Associate Professor in the Department of Medicine at McMaster University. He received his MD degree from the University of Ottawa. He completed his Gastroenterology and Internal Medicine training at McMaster University and went on to complete fellowship training with a certificate in Transplant Hepatology from the University of Toronto. Dr. Puglia received the Outstanding Resident Award from both McMaster University and Hamilton Health Sciences Medical Staff Association during his residency. Dr. Puglia has received awards for Clinical Teaching in Gastroenterology from McMaster University (2012 and 2013).

Dr. Puglia's clinical research is primarily focused on liver disease, including NASH, Primary Sclerosing Cholangitis, Primary Biliary Cholangitis, and Hepatitis C. His past and current research is supported by funding from Madrigal Pharmaceuticals, Inc., Gilead Sciences, Janssen Pharmaceutical Inc., Merck & Co. Inc., and Novo Nordisk.

MODR TRAINEE COMMITTEE



Evelyn Tsakiridis
MODR Seminar Series Co-Chair
PhD Candidate – Steinberg Lab



Maria Nguyen
7th Annual Symposium Co-Chair
& Journal Club Organizer
MSc Candidate – Hawke Lab



Nina Varah
MODR Seminar Series Co-Chair
MSc Candidate – Morrison Lab



Olia Biziotis
Journal Club Organizer
PhD Candidate – Tsakiridis Lab



Marisa Morrow
7th Annual Symposium Co-Chair
& Journal Club Organizer
MSc Candidate – Steinberg Lab



Eric Desjardins
Student Development Seminar
Chair
PhD Candidate – Steinberg Lab

MEMBER HIGHLIGHTS



Bacteria potentially involved in the development of Type 2 diabetes

Fernando F Anhe - PDF in Schertzer Lab

Bacteria may be involved in the development of Type 2 diabetes. Researchers from McMaster University, Université Laval and the Québec Heart and Lung Institute found that the blood, liver, and certain abdominal fat deposits in diabetics have a different bacterial signature than in non-diabetics. [Full story](#)

Brace yourself for these results: Novel experiment isolates genes that cause some people to gain muscle while others don't

Stuart Phillips

Researchers studying the mystery of why some weightlifters' muscles grow much more quickly than others' have found new answers through a novel experiment in which subjects worked out one leg and immobilized the other. The average subject lost muscle through inactivity at about five times the rate he had gained it through weightlifting. [Full story](#)



Rare gene mutation hints at fountain of youth

Richard Austin

Researchers at McMaster University and the Montreal Clinical Research Institute think they've found a "fountain of youth" in a rare genetic marker. It may allow the lucky PCSK9Q152H mutant subjects to stay in good health and live longer. [Full story](#)

MEMBER HIGHLIGHTS

COVID-19 Pivot

During the onset, spread and prevention of COVID-19 in 2020, members of MODR pivoted their research programs in incredible ways during a global outbreak. Their work is highlighted below.



McMaster develops tool for coronavirus battle

Andrew McArthur

McMaster University researchers have developed a tool which can help determine how the virus that causes COVID-19 is spreading and whether it is evolving. The tool is a set of molecular “fishing hooks” to isolate the virus from biological samples.

[Full story](#)

Collaboration creates face shields for health-care workers

Mike Noseworthy

A collaboration between McMaster’s Faculties of Engineering and Faculty of Health Sciences is allowing for the design and production of much-needed face shields for Hamilton health-care workers. The face shields are being made in the first-year Engineering EPIC Lab and the iBioMed Design Studio. [Full story](#)



McMaster researchers to identify who gets sick with COVID-19

Mike Surette

Two McMaster University professors have received research funding to boost their work to identify COVID-19 infection rates and to understand why some people are more susceptible to the virus. [Full story](#)



Move it or lose it: Sitting around while avoiding COVID-19 creates other health risks, warns exercise researcher

Martin Gibala & Stuart Phillips

Researchers reported that just two weeks of inactivity caused individuals to lose some of their ability to control sugar, hastening the onset of diabetes. This suggests the importance of being mindful to not sit for too long and try to get even a small amount of activity if possible. [Full story](#)



Keeping fit in a pandemic

Martin Gibala

Dr Gibala encourages Canadian's to challenge themselves to be more fit or commit to not losing fitness by the end of the pandemic. Improvise and just move – in these uncertain times, science supports a simplified approach to fitness. Increasing evidence shows that even brief bouts of activity can be beneficial for health and can protect you from severe illness. [Full story](#)

McMaster and HHS team launches website for families of children affected by diabetes during COVID-19

Constantine Samaan

Led by Dr Samaan, McMaster and HHS have assembled a team to provide easily accessible information for families and children living with childhood diabetes.

The website includes information about the pandemic, frequently asked questions and myths about COVID-19 and recommendations around managing diabetes. [Full story](#)





8th ANNUAL SYMPOSIUM

McMaster's Centre for Metabolism, Obesity and Diabetes Research hosted a virtual symposium on September 25, 2020 titled *Environmental Toxicants, the Microbiome and Adipose Tissue Metabolism*. This virtual half-day symposium welcomed 55 attendees. Researchers and trainees from the CIHR funded Gene Environment Team on Brown/Beige Adipose Tissue (GETBAT) team highlighted findings to date. The team are working together to understand the underlying causes of obesity, non-alcoholic fatty liver disease (NAFLD) and type 2 diabetes (T2D). Brown adipose tissue (BAT), frequently characterized as the body's furnace, has the unique capability to burn large amounts of sugar and fat, and effectively dissipates this energy as heat. In individuals with obesity or T2D, the ability to switch on BAT is compromised, but the reasons for this are not well understood. The GETBAT team is examining how agricultural and food processing practices may regulate BAT metabolic activity, directly, or indirectly by altering the gut microbiome. These studies will help us develop new strategies to enhance BAT activity that may be effective for treating and preventing obesity, NAFLD and T2D.

Symposium Speakers

Alison Holloway, McMaster University

Environmental Chemicals, Obesity and Adipose Tissue Metabolism

Bo Wang, China Agricultural University

The pesticide chlorpyrifos promotes obesity by inhibiting diet-induced thermogenesis

Evelyn Tsakiridis, McMaster University

Deltamethrin and Brown Adipose Tissue

Jon Schertzer, McMaster University

Microbiome, Obesity and Metabolism

Eric Kwon, McMaster University

Effect of ToxCast Compounds on Serotonin Production in Human Neuroendocrine Tumour Cell Line (BON-1)

Saad Syed, McMaster University

Investigating the effects of agricultural chemicals on the growth and transcription of gut microbiota

Mike Wade, Health Canada

Meet the Chemicals! A Short Discussion of Chemical Selection and Assessment

Katherine Morrison, McMaster University

Human BAT & NAFLD

Basma Ahmed, McMaster University

Cold induced brown adipose tissue activity in relation to hepatic fat, gut microbiota and metabolic health in human adults and children

Nicole Barra, McMaster University

Is BAT activity transmissible via gut microbiome in vivo?

Mueez Udin, Turku University

Abdominal adipose tissue and its relationship with gut microbiome and systemic metabolic health

Nina Varah, McMaster University

Investigating the plasma metabolome in relation to brown adipose tissue and non-alcoholic fatty liver disease in adults and children

**Denis Blondin & Gabriel Richard
Universite de Sherbrooke**

High fructose and high glucose intake and the impact on tissue metabolic interaction



MODR SEMINAR SERIES

McMaster's Centre for Metabolism, Obesity and Diabetes Research hosts a well-attended bi-weekly seminar series highlighting advancements in basic science and clinical research. Organized by graduate student co-chairs, Nina Varah & Evelyn Tsakiridis, this 2020 series featured faculty and graduate students from McMaster University in the field of metabolism, obesity, and diabetes research. With the onset of the COVID-19 pandemic, a swift transition to a virtual platform allowed the scheduled events to continue. These events are accredited by the Royal College of Physicians and Surgeons of Canada and adhere to their accreditation standards.

2020 Event Listing

Kendra Dempsey MSc candidate, McMaster University

Maternal diet and exercise during pregnancy to benefit infant size and body composition

Atherai Maran MSc candidate, McMaster University

Impact of a lifestyle intervention during pregnancy on body composition and cardiometabolic status

Dr. Hertzell Gerstein – McMaster University

Why does diabetes cause long-term health problems – A clinician researcher's approach

Dr. James Lally – McMaster University

Targeting the de novo lipogenesis pathway as a potential therapy for liver cancer

Jianhan Wu MSc candidate, McMaster University

Genetic target validation of ACLY as a lipid metabolic regulator of hepatocellular carcinoma progression

Dr. Vladimir Ljubcic- McMaster University

A novel link between cancer, metabolism, and muscle

Nina Varah – MSc Candidate, McMaster University

Investigating the plasma metabolome in relation to brown adipose tissue and non-alcoholic fatty liver disease in adults and children

Josee Ivars - MSc Candidate, McMaster University

Family eating behaviours and child body mass index: Changes after 1-year enrollment in a pediatric weight management program

Chiara Homann - MSc Candidate, McMaster University

Evaluating the relationship between dietary intake at the time immediately before and after the introduction of solid foods and the gut microbiome in full term infants

Marisa Morrow - MSc Candidate, McMaster University

Genetic targeting of liver ATP-citrate lyase in glucose homeostasis and non-alcoholic steatohepatitis

Kevin Hall – National Institute of Health

Calories, Carbs, or Quality? What matters most for body weight

Fernando Ahne - McMaster University

Bariatric surgery and different types of bacterial LPS determine how gut microbes control host metabolism

John Ussher – University of Alberta

Modifying muscle ketone body metabolism as a glucose-lowering approach in obesity/type 2 diabetes

Mireille Quimet – University of Ottawa

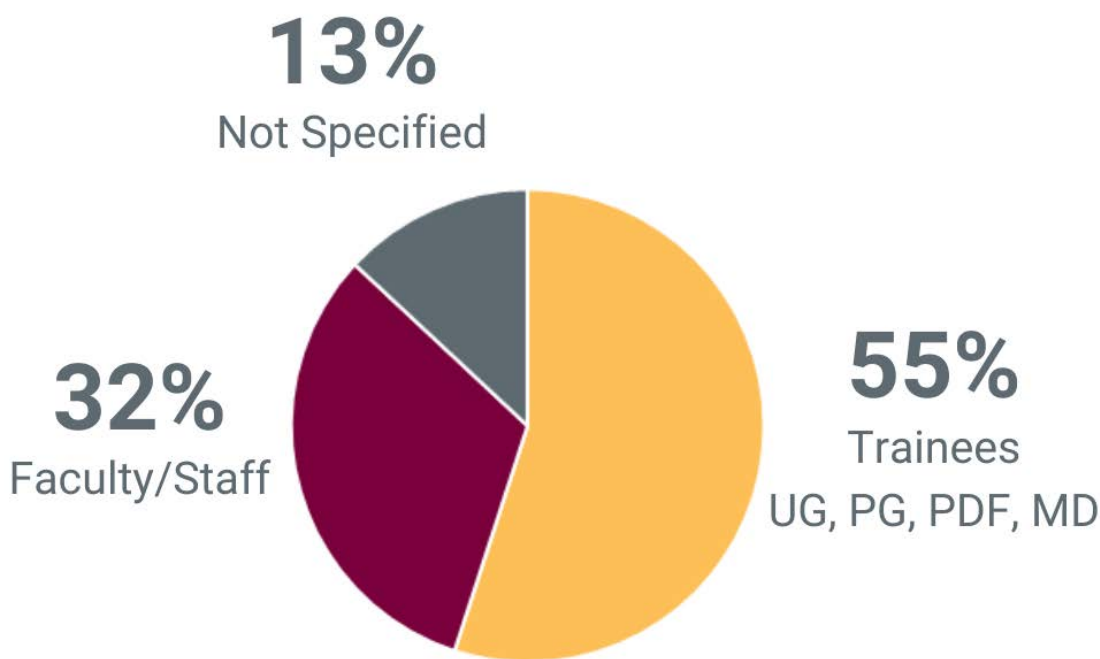
Harnessing Lipophagy to Reverse Lipid Buildup in Atherosclerosis

Sarah Lessard – Harvard University

How does blood sugar impact the benefits of aerobic exercise training?

Erin Mulvihill - University of Ottawa

DPP4 action in metabolic disease: Role of GLP-1 and other substrates





TRAINEE DEVELOPMENT SERIES

In 2020, McMaster's Centre for Metabolism, Obesity and Diabetes Research launched a trainee development series to broaden trainee experiences related to career and scientific development. This series is organized by MODR trainees Eric Desjardins, Marisa Morrow, Maria Nguyen and Olia Biziotis. While the beginning of 2020 allowed these sessions to be held in person, the shift to virtual due to the COVID pandemic has been seamless and well attended. The series is comprised of journal clubs and seminars featuring guest speakers from all avenues of research.

2020 Sessions

Dr. Mark Crowther, McMaster University

Careers in Academia: How to Stand Out in Faculty Position Applications & Interviews

Journal Club, led by Emily Day

Exercise reduces inflammatory cell production and cardiovascular inflammation via instruction of hematopoietic progenitor cells

Journal Club, led by Jianhan Wu

Systematic mapping of genetic interactions for de novo fatty acid synthesis identifies C12orf49 as a regulator of lipid metabolism

Dr. Brennan Smith & Dr. Adam Bujak

Non-Academic Careers

AWARDS, HONOURS & NEW ROLES



**Sonia
Anand**

SAHF 2020 Lifetime Achievement Award for her outstanding work related to better understanding of diabetes in South Asians



**Ereny
Bassilious**

Associate Chair of Education and Department Education Chair for the Department of Pediatrics



**Sarah
McDonald**

Canada Research Chair Maternal and Infant Health Promotion (Tier 2)



**Katherine
Morrison**

Associate Chair of Research for the Department of Pediatrics



**Stuart
Phillips**

2020 International List of
Highly Cited
Researchers
(Clarivate Analytics)



**Diana
Sherifali**

Faculty of Health
Sciences post-doctoral
fellowship supervision
award



**Gregory
Steinberg**

2020 International List of
Highly Cited
Researchers
(Clarivate Analytics)



AWARDS & HONOURS – TRAINEES



**Suhrid
Banskota**
Khan Lab

CIHR
Postdoctoral
Fellowship Award
for two years



**Eric
Desjardins**
Steinberg Lab

MSU McMaster TA
Merit Award



**Robert
Gutgesell**
Holloway Lab

MacDATA
Graduate
Scholarship



**Eric
Kwon**
Kwan Lab

2019 Trainee Article
of the Year from the
American
Gastroenterological
Association (AGA)



**Laiba
Jamshed**
Holloway Lab

The Endocrine
Society's 2020
Summer
Research
Fellowship

Alexander
Graham Bell –
Canada Research
Scholarship



**Sean
Ng**
Ljubcic Lab

NSERC Canadian
Graduate Scholarship
- Doctoral



**Genevieve
Perono**
Holloway Lab

Ontario Graduate
Scholarship



**Derek
Stouth**
Ljubcic Lab

NSERC Canadian
Graduate Scholarship
- Doctoral



**Tiffany
vanLieshout**
Ljubcic Lab

NSERC Canadian
Graduate
Scholarship -
Doctoral



**Erin
Webb**
Ljubcic Lab

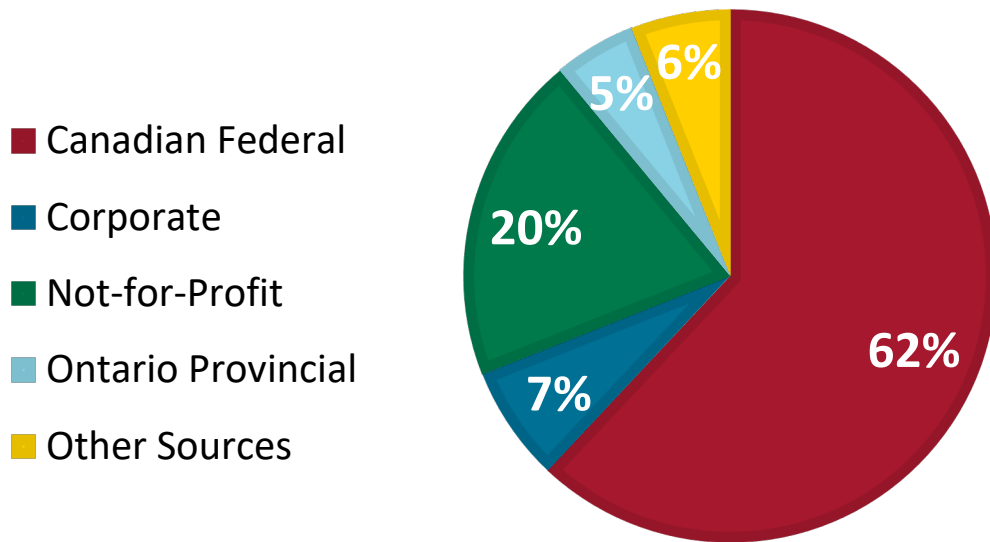
Canadian Frailty
Network
Interdisciplinary
Fellowship



ACTIVE GRANTS

\$29 M

Total Funding
April 2020 – March 2021



MODR GRADUATES

Andrew McArthur Lab

Martins Oloni - MSc

Alison Holloway Lab

Ineli Perera - MSc

Brian Timmons Lab

Roxy Chen - MSc

Yasmeen Mezil - PhD

Hilary Caldwell – PhD

Gregory Steinberg Lab

Shuman Zang – MSc

Jianhan Wu – MSc

Emily Day – PhD

Alexander Green – PhD

Julian Yabut – PhD

Guillaume Pare Lab

Mohammad Khan - MSc

Michel Kiflen - MSc

Joan Krepinsky Lab

Usman Ahmed - MSc

Jonathan Schertzer Lab

Yuk Kwan Chen – MSc

Brandyn Henriksbo – PhD

Trevor Lau – PhD

Joyce Obeid Lab

Inna Ushcatz - MSc

Katherine Morrison Lab

Nina Varah – MSc

Josee Ivars – MSc

Chiara Homann – MSc

Mark Tarnopolsky Lab

Andrew Mikhail - MSc

Michael Surette Lab

Louis Schenck – PhD

Daphne Lamarch – PhD

Michael Noseworthy, PhD

Jimmy Nguyen – MSc

Cameron Nowikow - MSc

Richard Austin Lab

Khrystyna Platko - PhD

Jae Hyun Byun - MSc

Sandeep Raha Lab

Michael Wong – PhD

O'Llenecia Walker – PhD

Thomas Hawke Lab

Grace Grafham - MSc

Allyson Schweitzer - MSc



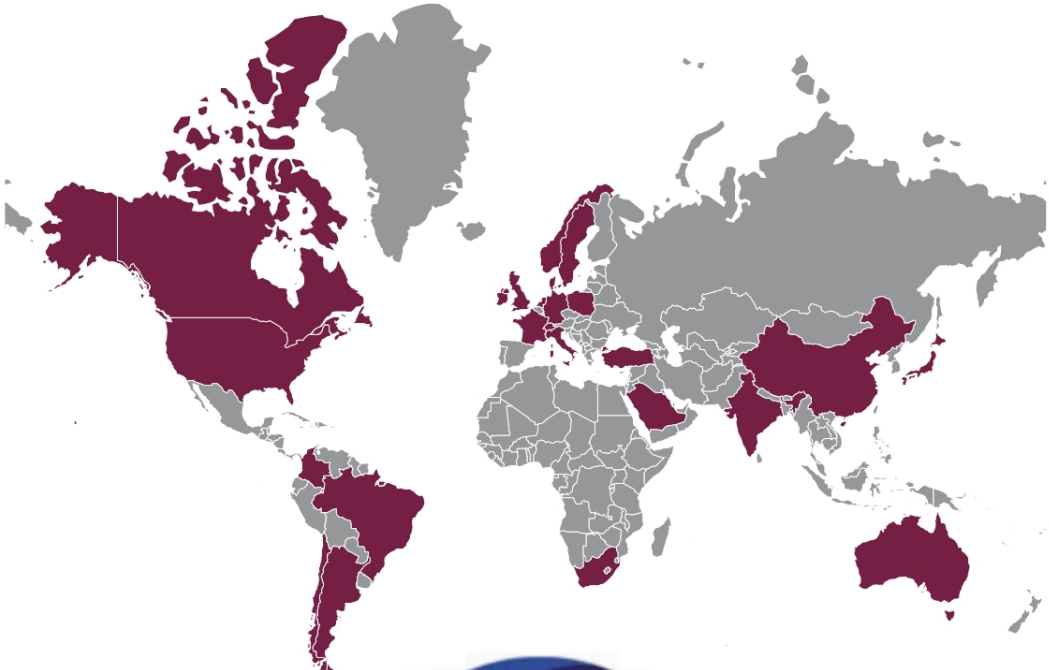
**GRADUATE
STUDIES**

PUBLICATION METRICS

350

Papers Published

In 2020, our members collaborated & published with investigators at institutions from across Canada & around the world



Average Altmetric Score

7654 TWEETERS



1760 FACEBOOK POSTS



6048 READERS ON MENDELEY



962 CITATIONS



PUBLICATION HIGHLIGHTS

Interdisciplinary collaboration & exciting research findings

Canagliflozin Mediates Effective Blockade of the mTORC1 - HIF-1 α Pathway, Inhibits Growth and Enhances Non-Small Cell Lung Cancer (NSCLC) Response to Radiotherapy (RT).

Biziotis, O. D., Tsakiridis, E. E., Mekhaeil, B., Wu, J., Zacharidis, P., Broadfield, L. A., Menjolian, G., Farrell, T., Abdulkarim, B. S., Muti, P., **Steinberg, G. R., & Tsakiridis, T.**

International Journal of Radiation Oncology, Biology, Physics 108(3)

“CANA mediates effective suppression of the mTORC1-HIF-1 α pathway, regulates gene expression and mediates potent anti-tumor activity in NSCLC models in-vitro and in-vivo. Given that CANA is a widely-used, well-tolerated and economical agent, this work indicates strong potential for this agent to be investigated rapidly in NSCLC clinical trials in combination with RT.”

NOD2 in hepatocytes engages a liver-gut axis to protect against steatosis, fibrosis, and gut dysbiosis during fatty liver disease in mice.

Cavallari, J. F., Pokrajac, N. T., Zlitni, S., Foley, K. P., Henriksbo, B. D., & **Schertzer, J. D.**

American Journal Physiology- Endocrinology & Metabolism 319(2)

“These data show that bacterial cell wall sensing within hepatocytes can engage retrograde cross-talk from the liver to the gut, where liver immunity communicates with the gut to influence the intestinal host-microbe relationship during diet-induced NAFLD, and NOD2 within the hepatocyte confers protection from liver steatosis and fibrosis.”

Metabolic Flexibility during Exercise in Children with Obesity and Matched Controls.

Chu, L., **Morrison, K. M., Riddell, M. C., Raha, S., & Timmons, B. W.**

Medicine & Science in Sports & Exercise 53(1)

“The ability to oxidize oral CHO, an indicator of MetFlex, was 23.5% lower in children with obesity compared with controls, independent of age, sex, and pubertal effects. Thus, obesity at a young age could be associated with reduced MetFlex and future comorbidities.”

Muscle and serum myostatin expression in type 1 diabetes.

Dial, A. G., Monaco, C. M. F., Grafham, G. K., Romanova, N., Simpson, J. A., **Tarnopolsky, M. A., Perry, C. G. R., Kalaitzoglou, E., & Hawke, T. J**

Physiological Reports 8(13)

“Overall, while those with T1D exhibited elevated serum myostatin levels (particularly females) myostatin expression was not correlated with clinically relevant metrics despite some of these relationships existing in controls (e.g., lean/fat mass). Future studies will be needed to fully understand the mechanisms underlying increased myostatin in T1D, with relationships to insulin dosing being particularly important to elucidate.”

Impact of pesticide exposure on adipose tissue development and function.

Gutgesell, R. M., Tsakiridis, E. E., Jamshed, S., **Steinberg, G. R., & Holloway, A. C.**

Biochemistry Journal 477(14)

The review of the literature reveals major gaps in our knowledge regarding human exposure to pesticides and our understanding of whether physiologically relevant concentrations promote obesity and elicit alterations in key signaling pathways vital for maintaining adipose tissue metabolism.

Remission of Type 2 Diabetes Following a Short-term Intervention With Insulin Glargine, Metformin, and Dapagliflozin.

McInnes, N., Hall, S., Sultan, F., Aronson, R., Hramiak, I., Harris, S., Sigal, R. J., Woo, V., Liu, Y. Y., & Gerstein, H. C.

Journal of Clinical Endocrinology & Metabolism 105(8)

“Our overall results suggest that some patients with early type 2 diabetes are able to achieve sustained diabetes remission following a short-term intensive intervention. Further studies are needed to optimize the combined therapeutic approach used.”

Knowledge about the Developmental Origins of Health and Disease is independently associated with variation in diet quality during pregnancy.

McKerracher, L., Moffat, T., Barker, M., McConnell, M., Atkinson, S. A., Murray-Davis, B., McDonald, S. D., & Sloboda, D. M.

Maternal & Child Nutrition 16(2)

“A subset of relatively high socio-economic position respondents was familiar with DOHaD. Greater familiarity with DOHaD was associated with better pregnancy diet quality, hinting that translating DOHaD knowledge to pregnant people may motivate improved pregnancy nutrition and thus later-life health for developing babies.”

The Systemic Effects of Exercise on Regulators of Muscle and Bone in Girls and Women.

Mezil, Y., Obeid, J., Raha, S., Hawke, T. J., & Timmons, B. W

Pediatric Exercise Science 32(3)

“Compared with women, an acute bout of moderate-intensity exercise in girls elicits a lower inflammatory response, suggesting that other mechanisms may be more important for driving the anabolic effects of exercise on muscle and bone in girls.”

ACE and Type 2 Diabetes Risk: A Mendelian Randomization Study.

Pigeyre, M., Sjaarda, J., Chong, M., Hess, S., Bosch, J., Yusuf, S., Gerstein, H., & Pare, G.

Diabetes Care 43(4)

“Our study represents the first MR analysis of ACE concentration on type 2 diabetes risk and identified ACE as a novel causal factor for type 2 diabetes. Those genetic findings were consistent with meta-analyses of ACE inhibitor RCTs. Although future studies are warranted to better delineate the metabolic actions of ACE inhibitors, current evidence supports the use of ACE inhibitors to protect from type 2 diabetes. These findings also suggest that a patient’s risk of developing type 2 diabetes should be considered when prescribing blood pressure-lowering drugs.”

Long-chain fatty acyl-CoA esters regulate metabolism via allosteric control of AMPK beta1 isoforms.

Pinkosky, S. L., Scott, J. W., Desjardins, E. M., Smith, B. K., Day, E. A., Ford, R. J., Langendorf, C. G., Ling, N. X. Y., Nero, T. L., Loh, K., Galic, S., Hoque, A., Smiles, W. J., Ngoei, K. R. W., Parker, M. W., Yan, Y., Melcher, K., Kemp, B. E., Oakhill, J. S., & Steinberg, G. R.

Nature Metabolism 2(9)

“Activation of AMPK by LCFA-CoA esters requires the allosteric drug and metabolite site formed between the α -

subunit kinase domain and the β -subunit. β 1 subunit mutations that inhibit AMPK activation by the small-molecule activator A769662, which binds to the allosteric drug and metabolite site, also inhibit activation by LCFA-CoAs. Thus, LCFA-CoA metabolites act as direct endogenous AMPK β 1-selective activators and promote LCFA oxidation.”

Methodological approaches to the design and analysis of nonrandomized intervention studies for the prevention of child and adolescent obesity.

Sandhu, R., Mbuagbaw, L., Tarride, J. E., De Rubeis, V., Carsley, S., & Anderson, L. N.

Canadian Journal of Public Health 111(3)

“There are substantial opportunities to improve the methods for nonrandomized intervention studies and reduce bias. Future studies should use advanced statistical and causal epidemiology methods, including better control for confounding and clustering, to generate higher quality evidence and certainty regarding which obesity prevention interventions are effective.”

Genetic deletion of mast cell serotonin synthesis prevents the development of obesity and insulin resistance.

Yabut, J. M., Desjardins, E. M., Chan, E. J., Day, E. A., Leroux, J. M., Wang, B., Crane, E. D., Wong, W., Morrison, K. M., Crane, J. D., Khan, W. I., & Steinberg, G. R

Nature Communications 11(1)

“Engraftment of mast cell-deficient mice with Tph1^{-/-} mast cells or selective mast cell deletion of Tph1 enhances uncoupling protein 1 (Ucp1) expression in white adipose tissue and protects mice from developing obesity and insulin resistance. These data suggest that therapies aimed at inhibiting mast cell Tph1 may represent a therapeutic approach for the treatment of obesity and type 2 diabetes.”

Persistence of Suspected Probiotic Organisms in Preterm Infant Gut Microbiota Weeks After Probiotic Supplementation in the NICU.

Yousuf, E. I., Carvalho, M., Dizzell, S. E., Kim, S., Gunn, E., Twiss, J., Giglia, L., Stuart, C., Hutton, E. K., Morrison, K. M., & Stearns, J. C

Frontiers in Microbiology 11

In conclusion, routine in-hospital administration of probiotics to preterm infants resulted in the potential for colonization of the gut with probiotic organisms post-discharge and effects on the gut microbiome as a whole. Further research is needed to fully discriminate probiotic bacterial strains from endogenous strains and to explore their functional role in the gut microbiome and in infant health.

PAPERS & PUBLICATIONS

* Names of MODR Investigators bolded

Acosta, N., Waddell, B., Heirali, A., Somayaji, R., **Surette, M. G.**, Workentine, M. L., Rabin, H. R., & Parkins, M. D. (2020). Cystic Fibrosis Patients Infected With Epidemic *Pseudomonas aeruginosa* Strains Have Unique Microbial Communities. *Front Cell Infect Microbiol*, 10, 173. <https://doi.org/10.3389/fcimb.2020.00173>

Aguiar, J. A., Tremblay, B. J., Mansfield, M. J., Woody, O., Lobb, B., Banerjee, A., Chandiramohan, A., Tiessen, N., Cao, Q., Dvorkin-Gheva, A., Revill, S., Miller, M. S., Carlsten, C., Organ, L., Joseph, C., John, A., Hanson, P., **Austin, R. C.**, McManus, B. M., Jenkins, G., Mossman, K., Ask, K., Doxey, A. C., & Hirota, J. A. (2020). Gene expression and in situ protein profiling of candidate SARS-CoV-2 receptors in human airway epithelial cells and lung tissue. *Eur Respir J*, 56(3). <https://doi.org/10.1183/13993003.01123-2020>

Ahmad, S., Tsang, K. K., Sachar, K., Quentin, D., Tashin, T. M., Bullen, N. P., Raunser, S., **McArthur, A. G.**, Pehna, G., & Whitney, J. C. (2020). Structural basis for effector transmembrane domain recognition by type VI secretion system chaperones. *Elife*, 9. <https://doi.org/10.7554/eLife.62816>

Akhabir, L., Rosenberg, E., Tworek, D., Heroux, D., Balhara, J., McNagny, K. M., Sears, M. R., Lefebvre, D. L., Becker, A. B., Turvey, S. E., Mandhane, P. J., Moraes, T. J., Subbarao, P., **Pare, G.**, & Denburg, J. A. (2020). Cord blood hemopoietic cell receptor expression is associated with early life atopic risk and lung function. *Allergy*, 75(7), 1762-1765. <https://doi.org/10.1111/all.14190>

Ali, M. U., **Sherifali, D.**, Fitzpatrick-Lewis, D., Kenny, M., Liu, A., Lamarche, L., Mangin, D., & Raina, P. (2020). Polypharmacy and mobility outcomes. *Mech Ageing Dev*, 192, 111356. <https://doi.org/10.1016/j.mad.2020.111356>

Al-Shahoumi, R., Brady, L. I., & **Tarnopolsky, M. A.** (2020). A mitochondrial disorder with ptosis and exercise intolerance without ophthalmoparesis secondary to m.5865 T > C variant. *Mitochondrion*, 53, 150-153. <https://doi.org/10.1016/j.mito.2020.05.006>

Alvarez, E., Joshi, S., Lokker, C., Wang, A., Pavalagantharajah, S., Qiu, Y., Sidhu, H., Mbuagbaw, L., Qutob, M., Henedi, A., Levine, M., Lennox, R., **Tarride, J. E.**, & Kalina, D. (2020). Health programmes and services addressing the prevention and management of infectious diseases in persons who inject drugs in Canada: a systematic integrative review protocol. *BMJ Open*, 10(8), e035188. <https://doi.org/10.1136/bmjopen-2019-035188>

Ambartsumyan, L., Khlevner, J., Nurko, S., Rosen, R., Kaul, A., Pandolfino, J. E., **Ratcliffe, E.**, Yacob, D., Li, B. U. K., Punati, J., Sood, M., Rao, S. S. C., Levitt, M. A., Cocjin, J. T., Rodriguez, L., Flores, A., Rosen, J. M., Belkind-Gerson, J., Saps, M., Garza, J. M., Fortunato, J. E., Schroedl, R. L., Keefer, L. A., Friedlander, J., Heuckeroth, R. O., Rao, M., El-Chammas, K., Vaz, K., Chumpitazi, B. P., Sanghavi, R., Matta, S. K. R., Danialifar, T., Di Lorenzo, C., & Darbari, A. (2020). Proceedings of the 2018 Advances In Motility and In NeuroGastroenterology: AIMING for the Future Single Topic Symposium. *J Pediatr Gastroenterol Nutr*, 71(2), e59-e67. <https://doi.org/10.1097/MPG.0000000000002720>

Anand, S. S., Friedrich, M. G., Desai, D., Schulze, K. M., Awadalla, P., Busseuil, D., Dummer, T. J. B., Jacquemont, S., Dick, A., Kelton, D., Kirpalani, A., Lear, S. A., Leipsic, J., **Noseworthy, M. D.**, Parker, L., Parraga, G., Poirier, P., Robson, P., Tardif, J. C., Teo, K., Vena, J., Yusuf, S., Moody, A. R., Black, S. E., Smith, E. E., Canadian Alliance for Healthy, H., & Minds, C. (2020). Reduced Cognitive Assessment Scores Among Individuals With Magnetic Resonance Imaging-Detected Vascular Brain Injury. *Stroke*, 51(4), 1158-1165. <https://doi.org/10.1161/STROKEAHA.119.028179>

Anand, S. S., Tu, J. V., Desai, D., Awadalla, P., Robson, P., Jacquemont, S., Dummer, T., Le, N., Parker, L., Poirier, P., Teo, K., Lear, S. A., Yusuf, S., Tardif, J. C., Marcotte, F., Busseuil, D., Despres, J. P., Black, S. E., Kirpalani, A., Parraga, G., **Noseworthy, M. D.**, Dick, A., Leipsic, J., Kelton, D., Vena, J., Thomas, M., Schulze, K. M., Larose, E., Moody, A. R., Smith, E. E., & Friedrich, M. G. (2020). Cardiovascular risk scoring and magnetic resonance imaging detected subclinical cerebrovascular disease. *Eur Heart J Cardiovasc Imaging*, 21(6), 692-700. <https://doi.org/10.1093/ehjci/jez226>

Anderson, L. N., Sandhu, R., Keown-Stoneman, C. D., De Rubeis, V., Borkhoff, C. M., Carsley, S., Maguire, J. L., & Birken, C. S. (2020b). Latent class analysis of obesity-related characteristics and associations with body mass index among young children. *Obesity Science & Practice*, 6(4), 390-400. <https://doi.org/10.1002/osp4.414>

- Anderson, L. N.**, van den Heuvel, M., Omand, J. A., & Wong, P. D. (2019). Practical tips for paediatricians: Baby-led weaning. *Paediatrics & Child Health*, 25(2), 77–78. <https://doi.org/10.1093/pch/pxz069>
- Anhe, F. F., Barra, N. G., & **Schertzer, J. D.** (2020). Glucose alters the symbiotic relationships between gut microbiota and host physiology. *Am J Physiol Endocrinol Metab*, 318(2), E111-E116. <https://doi.org/10.1152/ajpendo.00485.2019>
- Anhe, F. F., Jensen, B. A. H., Varin, T. V., Servant, F., Van Blerk, S., Richard, D., Marceau, S., **Surette, M.**, Biertho, L., Lelouvier, B., **Schertzer, J. D.**, Tchernof, A., & Marette, A. (2020). Type 2 diabetes influences bacterial tissue compartmentalisation in human obesity. *Nat Metab*, 2(3), 233-242. <https://doi.org/10.1038/s42255-020-0178-9>
- Anjana, R. M., Mohan, V., Rangarajan, S., **Gerstein, H. C.**, Venkatesan, U., Sheridan, P., Dagenais, G. R., Lear, S. A., Teo, K., Karsidag, K., Alhabib, K. F., Yusoff, K., Ismail, N., Mony, P. K., Lopez-Jaramillo, P., Chifamba, J., Palileo-Villanueva, L. M., Iqbal, R., Yusufali, A., Kruger, I. M., Rosengren, A., Bahonar, A., Zatonska, K., Yeates, K., Gupta, R., Li, W., Hu, L., Rahman, M. O., Lakshmi, P. V. M., Iype, T., Avezum, A., Diaz, R., Lanus, F., & Yusuf, S. (2020). Contrasting Associations Between Diabetes and Cardiovascular Mortality Rates in Low-, Middle-, and High-Income Countries: Cohort Study Data From 143,567 Individuals in 21 Countries in the PURE Study. *Diabetes Care*, 43(12), 3094-3101. <https://doi.org/10.2337/dc20-0886>
- Anvari, S., Lee, Y., Lam, M., **Doumouras, A. G.**, & Hong, D. (2020). The Effect of Bariatric Surgery on Oral Antibiotic Absorption: a Systematic Review. *Obes Surg*, 30(8), 2883-2892. <https://doi.org/10.1007/s11695-020-04623-z>
- Anvari, S., Lee, Y., Yu, J., **Doumouras, A. G.**, Khan, K. J., & Hong, D. (2020). Urgent Versus Standard Colonoscopy for Management of Acute Lower Gastrointestinal Bleeding: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. *J Clin Gastroenterol*, 54(6), 493-502. <https://doi.org/10.1097/MCG.0000000000001329>
- Arroyo, L. G., Rossi, L., Santos, B. P., Gomez, D. E., **Surette, M. G.**, & Costa, M. C. (2020). Luminal and Mucosal Microbiota of the Cecum and Large Colon of Healthy and Diarrheic Horses. *Animals (Basel)*, 10(8). <https://doi.org/10.3390/ani10081403>
- Au, J. S., Shenouda, N., Oikawa, S. Y., Gillen, J. B., Morton, R. W., **Gibala, M. J.**, **Phillips, S. M.**, & MacDonald, M. J. (2020). Carotid Artery Longitudinal Wall Motion Is Unaffected by 12 Weeks of Endurance, Sprint Interval or Resistance Exercise Training. *Ultrasound Med Biol*, 46(4), 992-1000. <https://doi.org/10.1016/j.ultrasmedbio.2019.12.015>
- Askow, A. T., McKenna, C. F., Box, A. G., Khan, N. A., Petruzzello, S. J., De Lisio, M., **Phillips, S. M.**, & Burd, N. A. (2020). Of Sound Mind and Body: Exploring the Diet-Strength Interaction in Healthy Aging. *Frontiers in Nutrition*, 7, 0. <https://doi.org/10.3389/fnut.2020.00145>
- Azab, S. M., **de Souza, R. J.**, Teo, K. K., Anand, S. S., Williams, N. C., Holzschuher, J., McGlory, C., Philips, S. M., & Britz-McKibbin, P. (2020). Serum nonesterified fatty acids have utility as dietary biomarkers of fat intake from fish, fish oil, and dairy in women. *J Lipid Res*, 61(6), 933-944. <https://doi.org/10.1194/jlr.D120000630>
- Azad, M. B., Archibald, A., Tomczyk, M. M., Head, A., Cheung, K. G., **de Souza, R. J.**, Becker, A. B., Mandhane, P. J., Turvey, S. E., Moraes, T. J., Sears, M. R., Subbarao, P., & Dolinsky, V. W. (2020). Nonnutritive sweetener consumption during pregnancy, adiposity, and adipocyte differentiation in offspring: evidence from humans, mice, and cells. *Int J Obes (Lond)*, 44(10), 2137-2148. <https://doi.org/10.1038/s41366-020-0575-x>
- Baldehy, T., Saz-Parkinson, Z., **Muti, P.**, Santesso, N., Morgano, G. P., Wiercioch, W., Nieuwlaat, R., Grawingholt, A., Broeders, M., Duffy, S., Hofvind, S., Nystrom, L., Ioannidou-Mouzaka, L., Warman, S., McGarrigle, H., Knox, S., Fitzpatrick, P., Rossi, P. G., Quinn, C., Borisch, B., Lebeau, A., de Wolf, C., Langendam, M., Piggott, T., Giordano, L., van Landsveld-Verhoeven, C., Bernier, J., Rabe, P., & Schunemann, H. J. (2020). Development and use of health outcome descriptors: a guideline development case study. *Health Qual Life Outcomes*, 18(1), 167. <https://doi.org/10.1186/s12955-020-01338-8>
- Banerjee, A., Doxey, A. C., Tremblay, B. J., Mansfield, M. J., Subudhi, S., Hirota, J. A., Miller, M. S., **McArthur, A. G.**, Mubareka, S., & Mossman, K. (2020). Predicting the recombination potential of severe acute respiratory syndrome coronavirus 2 and Middle East respiratory syndrome coronavirus. *J Gen Virol*, 101(12), 1251-1260. <https://doi.org/10.1099/jgv.0.001491>
- Banerjee, A., Nasir, J. A., Budyloski, P., Yip, L., Aftanas, P., Christie, N., Ghalami, A., Baid, K., Raphenya, A. R., Hirota, J. A., Miller, M. S., McGeer, A. J., Ostrowski, M., Kozak, R. A., **McArthur, A. G.**, Mossman, K., & Mubareka, S. (2020). Isolation, Sequence, Infectivity, and Replication Kinetics of Severe Acute Respiratory Syndrome Coronavirus 2. *Emerg Infect Dis*, 26(9), 2054-2063. <https://doi.org/10.3201/eid2609.201495>

- Banks, L., Randhawa, V. K., Caterini, J., Colella, T. J. F., Dhanvantari, S., McMurtry, S., Connelly, K. A., Robinson, L., **Anand, S. S.**, Ouzounian, M., Zieroth, S., Mak, S., Straus, S., & Graham, M. M. (2020). Sex, Gender, and Equity in Cardiovascular Medicine, Surgery, and Science in Canada: Challenges, Successes, and Opportunities for Change. *CJC Open*, 2(6), 522-529. <https://doi.org/10.1016/j.cjco.2020.06.016>
- Banskota, S., Wang, H., Kwon, Y. H., Gautam, J., Gurung, P., Haq, S., Hassan, F. M. N., Bowdish, D. M., Kim, J. A., Carling, D., Fullerton, M. D., **Steinberg, G. R.**, & **Khan, W. I.** (2020). Salicylates Ameliorate Intestinal Inflammation by Activating Macrophage AMPK. *Inflamm Bowel Dis*. <https://doi.org/10.1093/ibd/izaa305>
- Barca, E., Long, Y., Cooley, V., Schoenaker, R., Emmanuele, V., DiMauro, S., Cohen, B. H., Karaa, A., Vladutiu, G. D., Haas, R., Van Hove, J. L. K., Scaglia, F., Parikh, S., Bedoyan, J. K., DeBrosse, S. D., Gavriloa, R. H., Saneto, R. P., Enns, G. M., Stacpoole, P. W., Ganesh, J., Larson, A., Zolkipli-Cunningham, Z., Falk, M. J., Goldstein, A. C., **Tarnopolsky, M.**, Gropman, A., Camp, K., Krotoski, D., Engelstad, K., Rosales, X. Q., Kriger, J., Grier, J., Buchsbaum, R., Thompson, J. L. P., & Hirano, M. (2020). Mitochondrial diseases in North America: An analysis of the NAMDC Registry. *Neurol Genet*, 6(2), e402. <https://doi.org/10.1212/NXG.0000000000000402>
- Barra, N. G., Henriksbo, B. D., Anhe, F. F., & **Schertzer, J. D.** (2020). The NLRP3 inflammasome regulates adipose tissue metabolism. *Biochem J*, 477(6), 1089-1107. <https://doi.org/10.1042/BCJ20190472>
- Barresi, S., Dentici, M. L., Manzoni, F., Bellacchio, E., Agolini, E., Pizzi, S., Ciolfi, A., **Tarnopolsky, M.**, Brady, L., Garone, G., Novelli, A., Mei, D., Guerrini, R., Capuano, A., Pantaleoni, C., & Tartaglia, M. (2020). Infantile-Onset Syndromic Cerebellar Ataxia and CACNA1G Mutations. *Pediatr Neurol*, 104, 40-45. <https://doi.org/10.1016/j.pediatrneurol.2019.09.005>
- Beier, J. M., & **Raha, S.** (2019). Cultivating an ethos: collegial co-discovery in a Children and Youth University. *Children's Geographies*, 18(1), 44-57. <https://doi.org/10.1080/14733285.2019.1584270>
- Bendor, C. D., Bardugo, A., Zucker, I., Cukierman-Yaffe, T., Lutski, M., Derazne, E., Shohat, T., Mosenzon, O., Tzur, D., Sapir, A., Pinhas-Hamiel, O., Kibbey, R. G., Raz, I., Afek, A., **Gerstein, H. C.**, Tirosh, A., & Twig, G. (2020). Childhood Pancreatitis and Risk for Incident Diabetes in Adulthood. *Diabetes Care*, 43(1), 145-151. <https://doi.org/10.2337/dc19-1562>
- Berger, H., Melamed, N., Davis, B. M., Hasan, H., Mawjee, K., Barrett, J., **McDonald, S. D.**, Geary, M., & Ray, J. G. (2020). Impact of diabetes, obesity and hypertension on preterm birth: Population-based study. *PLoS One*, 15(3), e0228743. <https://doi.org/10.1371/journal.pone.0228743>
- Bethel, M. A., Diaz, R., Castellana, N., Bhattacharya, I., **Gerstein, H. C.**, & Lakshmanan, M. C. (2021). HbA1c Change and Diabetic Retinopathy During GLP-1 Receptor Agonist Cardiovascular Outcome Trials: A Meta-analysis and Meta-regression. *Diabetes Care*, 44(1), 290-296. <https://doi.org/10.2337/dc20-1815>
- Betts, J. A., Gonzalez, J. T., Burke, L. M., Close, G. L., Garthe, I., James, L. J., Jeukendrup, A. E., Morton, J. P., Nieman, D. C., Peeling, P., **Phillips, S. M.**, Stellingwerff, T., van Loon, L. J., Williams, C., Woolf, K., Maughan, R., & Atkinson, G. (2020). PRESENT 2020: Text Expanding on the Checklist for Proper Reporting of Evidence in Sport and Exercise Nutrition Trials. *International Journal of Sport Nutrition and Exercise Metabolism*, 30(1), 2-13. <https://doi.org/10.1123/ijsnem.2019-0326>
- Bharwani, A., Bala, A., **Surette, M.**, Bienenstock, J., Vigod, S. N., & Taylor, V. H. (2020). Gut Microbiome Patterns Associated With Treatment Response in Patients With Major Depressive Disorder. *Can J Psychiatry*, 65(4), 278-280. <https://doi.org/10.1177/0706743719900464>
- Bhatt, D. L., Eikelboom, J. W., Connolly, S. J., Steg, P. G., **Anand, S. S.**, Verma, S., Branch, K. R. H., Probstfield, J., Bosch, J., Shestakovska, O., Szarek, M., Maggioni, A. P., Widimsky, P., Avezum, A., Diaz, R., Lewis, B. S., Berkowitz, S. D., Fox, K. A. A., Ryden, L., Yusuf, S., Committee, C. S., & Investigators. (2020). Role of Combination Antiplatelet and Anticoagulation Therapy in Diabetes Mellitus and Cardiovascular Disease: Insights From the COMPASS Trial. *Circulation*, 141(23), 1841-1854. <https://doi.org/10.1161/CIRCULATIONAHA.120.046448>
- Bhavadarini, B., Dehghan, M., Mente, A., Rangarajan, S., Sheridan, P., Mohan, V., Iqbal, R., Gupta, R., Lear, S., Wentzel-Viljoen, E., Avezum, A., Lopez-Jaramillo, P., Mony, P., Varma, R. P., Kumar, R., Chifamba, J., Alhabib, K. F., Mohammadifard, N., Oguz, A., Lanas, F., Rozanska, D., Bengtsson Bostrom, K., Yusoff, K., Tsolkile, L. P., Dans, A., Yusufali, A., Orlandini, A., Poirier, P., Khatib, R., Hu, B., Wei, L., Yin, L., Deeraili, A., Yeates, K., Yusuf, R., Ismail, N., Mozaffarian, D., Teo, K., **Anand, S. S.**, & Yusuf, S. (2020). Association of dairy consumption with metabolic syndrome, hypertension and diabetes in 147 812 individuals from 21 countries. *BMJ Open Diabetes Res Care*, 8(1). <https://doi.org/10.1136/bmjdr-2019-000826>

- Bis-Brewer, D. M., Gan-Or, Z., Sleiman, P., Hakonarson, H., Fazal, S., Courel, S., Cintra, V., Tao, F., Estiar, M. A., **Tarnopolsky, M.**, Boycott, K. M., Yoon, G., Suchowersky, O., Dupre, N., Cheng, A., Lloyd, T. E., Rouleau, G., Schule, R., & Zuchner, S. (2020). Assessing non-Mendelian inheritance in inherited axonopathies. *Genet Med*, 22(12), 2114-2119. <https://doi.org/10.1038/s41436-020-0924-0>
- Biziotis, O. D., Tsakiridis, E. E., Mekhaeil, B., Wu, J., Zacharidis, P., Broadfield, L. A., Menjolian, G., Farrell, T., Abdulkarim, B. S., **Muti, P.**, **Steinberg, G. R.**, & **Tsakiridis, T.** (2020). Canagliflozin Mediates Effective Blockade of the mTORC1 - HIF-1a Pathway, Inhibits Growth and Enhances Non-Small Cell Lung Cancer (NSCLC) Response to Radiotherapy (RT). *International Journal of Radiation Oncology*Biological*Physics*, 108(3). <https://doi.org/10.1016/j.ijrobp.2020.07.2181>
- Bjornstad, E. C., Krallman, K. A., Askenazi, D., Zappitelli, M., Goldstein, S. L., Basu, R. K., & SPARC Investigators. (2020). Preliminary Assessment of Acute Kidney Injury in Critically Ill Children Associated with SARS-CoV-2 Infection: A Multicenter Cross-Sectional Analysis. *Clin J Am Soc Nephrol*. <https://doi.org/10.2215/CJN.11470720>
- Bonaca, M. P., Bauersachs, R. M., **Anand, S. S.**, Debus, E. S., Nehler, M. R., Patel, M. R., Fanelli, F., Capell, W. H., Diao, L., Jaeger, N., Hess, C. N., Pap, A. F., Kittelson, J. M., Gudzi, I., Matyas, L., Krievins, D. K., Diaz, R., Brodmann, M., Muehlhofer, E., Haskell, L. P., Berkowitz, S. D., & Hiatt, W. R. (2020). Rivaroxaban in Peripheral Artery Disease after Revascularization. *N Engl J Med*, 382(21), 1994-2004. <https://doi.org/10.1056/NEJMoa2000052>
- Bondi, B. C., Banh, T. M., Vasilevska-Ristovska, J., Szpindel, A., **Chanchlani, R.**, Hebert, D., Solomon, M., Dipchand, A. I., Kim, S. J., Ng, V. L., & Parekh, R. S. (2020). Incidence and Risk Factors of Obesity in Childhood Solid-Organ Transplant Recipients. *Transplantation*, 104(8), 1644-1653. <https://doi.org/10.1097/TP.0000000000003025>
- Brown, R.**, Siddiqui, U., & Paul, J. (2019). In reply: Regarding the survey on perioperative diabetes medications and glucose control. *Canadian Journal of Anesthesia/Journal Canadien d'anesthésie*, 67(1), 156-157. <https://doi.org/10.1007/s12630-019-01425-5>
- Brujijns, B. A., Adamo, K. B., Burke, S. M., Carson, V., Irwin, J. D., Naylor, P.-J., **Timmons, B. W.**, Vanderloo, L. M., & Tucker, P. (2020). Early childhood education candidates' perspectives of their importance and responsibility for promoting physical activity and minimizing screen-viewing opportunities in childcare. *Journal of Early Childhood Teacher Education*, 1-18. <https://doi.org/10.1080/10901027.2020.1818651>
- Bushnik, T., Wong, S. L., **Holloway, A. C.**, & Thomson, E. M. (2020). Association of urinary polycyclic aromatic hydrocarbons and obesity in children aged 3-18: Canadian Health Measures Survey 2009-2015. *J Dev Orig Health Dis*, 11(6), 623-631. <https://doi.org/10.1017/S2040174419000825>
- Byrne, N. J., Soni, S., Takahara, S., Ferdaoussi, M., Al Batran, R., Darwesh, A. M., Levasseur, J. L., Beker, D., Vos, D. Y., Schmidt, M. A., Alam, A. S., Maayah, Z. H., **Schertzer, J. D.**, Seubert, J. M., Ussher, J. R., & Dyck, J. R. B. (2020). Chronically Elevating Circulating Ketones Can Reduce Cardiac Inflammation and Blunt the Development of Heart Failure. *Circ Heart Fail*, 13(6), e006573. <https://doi.org/10.1161/CIRCHEARTFAILURE.119.006573>
- Caldwell, H. A. T., Di Cristofaro, N. A., Cairney, J., Bray, S. R., MacDonald, M. J., & **Timmons, B. W.** (2020). Physical Literacy, Physical Activity, and Health Indicators in School-Age Children. *Int J Environ Res Public Health*, 17(15). <https://doi.org/10.3390/ijerph17155367>
- Caldwell, H. A. T., Di Cristofaro, N. A., Cairney, J., Bray, S. R., & **Timmons, B. W.** (2020). Measurement properties of the Physical Literacy Assessment for Youth (PLAY) Tools. *Appl Physiol Nutr Metab*. <https://doi.org/10.1139/apnm-2020-0648>
- Caldwell, H. A. T., Wilson, A., Mitchell, D., & **Timmons, B. W.** (2020). Development of the Physical Literacy Environmental Assessment (PLEA) tool. *PLoS One*, 15(3), e0230447. <https://doi.org/10.1371/journal.pone.0230447>
- Camps, J., Breuls, N., Sifrim, A., Giarratana, N., Corvelyn, M., Danti, L., Grosemans, H., Vanuytven, S., Thiry, I., Belicchi, M., Meregalli, M., Platko, K., MacDonald, M. E., **Austin, R. C.**, Gijssbers, R., Cossu, G., Torrente, Y., Voet, T., & Sampaolesi, M. (2020). Interstitial Cell Remodeling Promotes Aberrant Adipogenesis in Dystrophic Muscles. *Cell Rep*, 31(5), 107597. <https://doi.org/10.1016/j.celrep.2020.107597>
- Canu, V., Donzelli, S., Sacconi, A., Lo Sardo, F., Pulito, C., Bossel, N., Di Benedetto, A., **Muti, P.**, Botti, C., Domany, E., Biccato, S., Strano, S., Yarden, Y., & Blandino, G. (2020). Aberrant transcriptional and post-transcriptional regulation of SPAG5, a YAP-TAZ-TEAD downstream effector, fuels breast cancer cell proliferation. *Cell Death Differ*. <https://doi.org/10.1038/s41418-020-00677-9>

- Carter, S. A., Mistry, S., Fitzpatrick, J., Banh, T., Hebert, D., Langlois, V., Pearl, R. J., **Chanchlani, R.**, Licht, C. P. B., Radhakrishnan, S., Brooke, J., Reddon, M., Levin, L., Aitken-Menezes, K., Noone, D., & Parekh, R. S. (2020). Prediction of Short- and Long-Term Outcomes in Childhood Nephrotic Syndrome. *Kidney Int Rep*, 5(4), 426-434. <https://doi.org/10.1016/j.ekir.2019.12.015>
- Cavallari, J. F., Barra, N. G., Foley, K. P., Lee, A., Duggan, B. M., Henriksbo, B. D., Anhe, F. F., Ashkar, A. A., & **Schertzer, J. D.** (2020). Postbiotics for NOD2 require nonhematopoietic RIPK2 to improve blood glucose and metabolic inflammation in mice. *Am J Physiol Endocrinol Metab*, 318(4), E579-E585. <https://doi.org/10.1152/ajpendo.00033.2020>
- Cavallari, J. F., Pokrajac, N. T., Zlitni, S., Foley, K. P., Henriksbo, B. D., & **Schertzer, J. D.** (2020). NOD2 in hepatocytes engages a liver-gut axis to protect against steatosis, fibrosis, and gut dysbiosis during fatty liver disease in mice. *Am J Physiol Endocrinol Metab*, 319(2), E305-E314. <https://doi.org/10.1152/ajpendo.00181.2020>
- Chanchlani, R.**, Nemer, P., Sinha, R., Nemer, L., Krishnappa, V., Sochett, E., Safadi, F., & Raina, R. (2020). An Overview of Rickets in Children. *Kidney Int Rep*, 5(7), 980-990. <https://doi.org/10.1016/j.ekir.2020.03.025>
- Chanchlani, R.**, Young, C., Farooq, A., Sanger, S., Sethi, S., Chakraborty, R., Tibrewal, A., & Raina, R. (2020). Evolution and change in paradigm of hemodialysis in children: a systematic review. *Pediatr Nephrol*. <https://doi.org/10.1007/s00467-020-04821-y>
- Chawar, C., Hillmer, A., Sanger, S., D'Elia, A., Panesar, B., Guan, L., Xie, D. X., Bansal, N., Abdullah, A., Kapczynski, F., **Pare, G.**, Thabane, L., & Samaan, Z. (2020). GWAS-identified genetic variants associated with medication-assisted treatment outcomes in patients with opioid use disorder: a systematic review and meta-analysis protocol. *Syst Rev*, 9(1), 200. <https://doi.org/10.1186/s13643-020-01461-z>
- Chen, C. Y., Clark, C. G., Langner, S., Boyd, D. A., Bharat, A., McCorrister, S. J., **McArthur, A. G.**, Graham, M. R., Westmacott, G. R., & Van Domselaar, G. (2020). Detection of Antimicrobial Resistance Using Proteomics and the Comprehensive Antibiotic Resistance Database: A Case Study. *Proteomics Clin Appl*, 14(4), e1800182. <https://doi.org/10.1002/prca.201800182>
- Chong, M., Yoon, G., Susan-Resiga, D., Chamberland, A., Cheillan, D., **Pare, G.**, & Seidah, N. G. (2020). Hypolipidaemia among patients with PMM2-CDG is associated with low circulating PCSK9 levels: a case report followed by observational and experimental studies. *J Med Genet*, 57(1), 11-17. <https://doi.org/10.1136/jmedgenet-2019-106102>
- Chu, L., **Morrison, K. M.**, Riddell, M. C., **Raha, S.**, & **Timmons, B. W.** (2021). Metabolic Flexibility during Exercise in Children with Obesity and Matched Controls. *Med Sci Sports Exerc*, 53(1), 159-164. <https://doi.org/10.1249/MSS.0000000000002428>
- Colenso-Semple, L. M., Morton, R. W., Fliss, M., Mounir, M., Mladenovic, M., Webb, E., & **Phillips, S. M.** (2020). Acute And Chronic Effects Of Branched-chain Amino Acid Supplementation: A Systematic Review And Meta-analysis. *Medicine & Science in Sports & Exercise*, 52(7S), 457. <https://doi.org/10.1249/01.mss.0000678896.36280.5e>
- Cox, E., Bells, S., **Timmons, B. W.**, Laughlin, S., Bouffet, E., de Medeiros, C., Beera, K., Harasym, D., & Mabbott, D. J. (2020). A controlled clinical crossover trial of exercise training to improve cognition and neural communication in pediatric brain tumor survivors. *Clin Neurophysiol*, 131(7), 1533-1547. <https://doi.org/10.1016/j.clinph.2020.03.027>
- Cukierman-Yaffe, T., **Gerstein, H. C.**, Colhoun, H. M., Diaz, R., García-Pérez, L.-E., Lakshmanan, M., Bethel, A., Xavier, D., Probstfield, J., Riddle, M. C., Rydén, L., Atisso, C. M., Hall, S., Rao-Melacini, P., Basile, J., Cushman, W. C., Franek, E., Keltai, M., Lanas, F., Leiter, L. A., Lopez-Jaramillo, P., Pirags, V., Pogossova, N., Raubenheimer, P. J., Shaw, J. E., Sheu, W. H. H., & Temelkova-Kurktschiev, T. (2020). Effect of dulaglutide on cognitive impairment in type 2 diabetes: an exploratory analysis of the REWIND trial. *The Lancet Neurology*, 19(7), 582-590. [https://doi.org/10.1016/s1474-4422\(20\)30173-3](https://doi.org/10.1016/s1474-4422(20)30173-3)
- D'Alessandro, M., Vanniyasingam, T., Patel, A., Gupta, R., Giglia, L., Federici, G., & **Wahi, G.** (2020). Factors associated with treatment failure of high-flow nasal cannula among children with bronchiolitis: a single-centre retrospective study. *Paediatrics & Child Health*. <https://doi.org/10.1093/pch/pxaa087>
- Dagenais, G. R., Ryden, L., Leiter, L. A., Lakshmanan, M., Dyal, L., Probstfield, J. L., Atisso, C. M., Shaw, J. E., Conget, I., Cushman, W. C., Lopez-Jaramillo, P., Lanas, F., Munoz, E. G. C., Pirags, V., Pogossova, N., Basile, J., Sheu, W. H. H., Temelkova-Kurktschiev, T., Raubenheimer, P. J., Keltai, M., Hall, S., Pais, P., Colhoun, H. M., Riddle, M. C., & **Gerstein, H. C.** (2020). Total cardiovascular or fatal events in people with type 2 diabetes and cardiovascular risk factors treated with dulaglutide in the REWIND trail: a post hoc analysis. *Cardiovasc Diabetol*, 19(1), 199. <https://doi.org/10.1186/s12933-020-01179-1>

- Day, E. A., Ford, R. J., Lu, J. H., Lu, R., Lundenberg, L., Desjardins, E. M., Green, A. E., Lally, J. S. V., **Schertzer, J. D.**, & **Steinberg, G. R.** (2020). The SGLT2 inhibitor canagliflozin suppresses lipid synthesis and interleukin-1 beta in ApoE deficient mice. *Biochem J*, 477(12), 2347-2361. <https://doi.org/10.1042/BCJ20200278>
- De Andrade, I. T., Gualano, B., Hevia-Larrain, V., Neves-Junior, J., Cajueiro, M., Jardim, F., Gomes, R. L., Artiolo, G. G., **Phillips, S. M.**, Campos-Ferraz, P., & Roschel, H. (2020). Leucine Supplementation Has No Further Effect on Training-induced Muscle Adaptations. *Medicine & Science in Sports & Exercise*, 52(8), 1809–1814. <https://doi.org/10.1249/mss.0000000000002307>
- De Rubeis, V., Lee, J., Anwer, M. S., Yoshida-Montezuma, Y., Andreacchi, A. T., Stone, E., Iftikhar, S., Morgenstern, J. D., Rebinsky, R., Neil-Sztramko, S. E., Alvarez, E., Apatu, E., & **Anderson, L. N.** (2020). Impact of disasters, including pandemics, on cardiometabolic outcomes across the life-course: A systematic review. *MedRxiv*, 0. <https://doi.org/10.1101/2020.11.27.20239830>
- de Souza, R. J.**, Dehghan, M., Mente, A., Bangdiwala, S. I., Ahmed, S. H., Alhabib, K. F., Altuntas, Y., Basiak-Rasala, A., Dagenais, G. R., Diaz, R., Amma, L. I., Kelishadi, R., Khatib, R., Lear, S. A., Lopez-Jaramillo, P., Mohan, V., Poirier, P., Rangarajan, S., Rosengren, A., Ismail, R., Swaminathan, S., Wentzel-Viljoen, E., Yeates, K., Yusuf, R., Teo, K. K., **Anand, S. S.**, Yusuf, S., & investigators, P. s. (2020). Association of nut intake with risk factors, cardiovascular disease, and mortality in 16 countries from 5 continents: analysis from the Prospective Urban and Rural Epidemiology (PURE) study. *Am J Clin Nutr*, 112(1), 208-219. <https://doi.org/10.1093/ajcn/nqaa108>
- de Souza, R. J.**, Shanmuganathan, M., Lamri, A., Atkinson, S. A., Becker, A., Desai, D., Gupta, M., Mandhane, P. J., Moraes, T. J., **Morrison, K. M.**, Subbarao, P., Teo, K. K., Turvey, S. E., Williams, N. C., Britz-McKibbin, P., & **Anand, S. S.** (2020). Maternal Diet and the Serum Metabolome in Pregnancy: Robust Dietary Biomarkers Generalizable to a Multiethnic Birth Cohort. *Curr Dev Nutr*, 4(10), nzaa144. <https://doi.org/10.1093/cdn/nzaa144>
- De Souza, R. J.**, Williams, N. C., Sockalingam, L., **Wahi, G.**, Desai, D., Dehghan, M., Schulze, K. M., Gupta, M., & **Anand, S. S.** (2020). Validity and Reproducibility of a Semi-Quantitative Food-Frequency Questionnaire Designed to Measure the Nutrient Intakes of Canadian South Asian Infants at 12 Months of Age. *Can J Diet Pract Res*, 81(4), 170-178. <https://doi.org/10.3148/cjdp-2020-011>
- Dehghan, M., Mente, A., Rangarajan, S., Mohan, V., Lear, S., Swaminathan, S., Wielgosz, A., Seron, P., Avezum, A., Lopez-Jaramillo, P., Turbide, G., Chifamba, J., AlHabib, K. F., Mohammadifard, N., Szuba, A., Khatib, R., Altuntas, Y., Liu, X., Iqbal, R., Rosengren, A., Yusuf, R., Smuts, M., Yusufali, A., Li, N., Diaz, R., Yusoff, K., Kaur, M., Soman, B., Ismail, N., Gupta, R., Dans, A., Sheridan, P., Teo, K., **Anand, S. S.**, & Yusuf, S. (2020). Association of egg intake with blood lipids, cardiovascular disease, and mortality in 177,000 people in 50 countries. *Am J Clin Nutr*, 111(4), 795-803. <https://doi.org/10.1093/ajcn/nqz348>
- DeJong, E. N., **Surette, M. G.**, & Bowdish, D. M. E. (2020). The Gut Microbiota and Unhealthy Aging: Disentangling Cause from Consequence. *Cell Host Microbe*, 28(2), 180-189. <https://doi.org/10.1016/j.chom.2020.07.013>
- Derakhshani, H., Bernier, S. P., Marko, V. A., & b (2020). Completion of draft bacterial genomes by long-read sequencing of synthetic genomic pools. *BMC Genomics*, 21(1), 519. <https://doi.org/10.1186/s12864-020-06910-6>
- Dermer, E., Spahr, A., Tran, L. T., Mirchi, A., Pelletier, F., Guerrero, K., Ahmed, S., Brais, B., Braverman, N., Buhas, D., Chandratre, S., Chenier, S., Chrestian, N., Desmeules, M., Dilenge, M. E., Laflamme, J., Larbrisseau, A., Legault, G., Lim, K. Y., Maftai, C., Major, P., Malvey-Dom, E., Marois, P., Mitchell, J., Nadeau, A., Osterman, B., Paradis, I., Pohl, D., Reggin, J., Riou, E., Roedde, G., Rossignol, E., Sebire, G., Shevell, M., Srour, M., Sylvain, M., **Tarnopolsky, M.**, Venkateswaran, S., Sullivan, M., & Bernard, G. (2020). Stress in Parents of Children With Genetically Determined Leukoencephalopathies: A Pilot Study. *J Child Neurol*, 35(13), 901-907. <https://doi.org/10.1177/0883073820938645>
- Deruelle, P., Lelorain, S., Deghilage, S., Couturier, E., Guilbert, E., Berveiller, P., Sénat, M. V., Vayssière, C., Sentilhes, L., Perrotin, F., Gallot, D., Chauleur, C., Sananes, N., Roth, E., Luton, D., Caputo, M., Lorio, E., Chatelet, C., Couster, J., **Pigeyre, M.** (2020). Rationale and design of ePPOP-ID: a multicenter randomized controlled trial using an electronic-personalized program for obesity in pregnancy to improve delivery. *BMC Pregnancy and Childbirth*, 20(1). <https://doi.org/10.1186/s12884-020-03288-x>
- Dial, A. G., Monaco, C. M. F., Graffham, G. K., Romanova, N., Simpson, J. A., **Tarnopolsky, M. A.**, Perry, C. G. R., Kalaitzoglou, E., & **Hawke, T. J.** (2020). Muscle and serum myostatin expression in type 1 diabetes. *Physiol Rep*, 8(13), e14500. <https://doi.org/10.14814/phy2.14500>

- Doehner, W., **Gerstein, H. C.**, Ried, J., Jung, H., Asbrand, C., Hess, S., & Anker, S. D. (2020). Obesity and weight loss are inversely related to mortality and cardiovascular outcome in prediabetes and type 2 diabetes: data from the ORIGIN trial. *Eur Heart J*, 41(28), 2668-2677. <https://doi.org/10.1093/eurheartj/ehaa293>
- Doehner, W., Hess, S., & **Gerstein, H. C.** (2020). The obesity paradigm in cardiovascular disease: the need for differentiated weight management. *Eur Heart J*, 41(40), 3965. <https://doi.org/10.1093/eurheartj/ehaa724>
- Donaldson, L., **Tarnopolsky, M. A.**, Martin, J. A., & Rodriguez, A. R. (2020). Severe chorioretinal atrophy in Boucher-Neuhauser syndrome. *Can J Ophthalmol*, 55(1), e26-e28. <https://doi.org/10.1016/j.cjco.2019.07.001>
- Doumouras, A. G.**, Albacete, S., Mann, A., Gmora, S., Anvari, M., & Hong, D. (2020). A Longitudinal Analysis of Wait Times for Bariatric Surgery in a Publicly Funded, Regionalized Bariatric Care System. *Obes Surg*, 30(3), 961-968. <https://doi.org/10.1007/s11695-019-04259-8>
- Doumouras, A. G.**, Hong, D., Lee, Y., **Tarride, J. E.**, Paterson, J. M., & Anvari, M. (2020). Association Between Bariatric Surgery and All-Cause Mortality: A Population-Based Matched Cohort Study in a Universal Health Care System. *Ann Intern Med*, 173(9), 694-703. <https://doi.org/10.7326/M19-3925>
- Doumouras, A. G.**, Lee, Y., Babe, G., Gmora, S., **Tarride, J. E.**, Hong, D., & Anvari, M. (2020). The hidden cost of an extensive preoperative work-up: predictors of attrition after referral for bariatric surgery in a universal healthcare system. *Surg Endosc*, 34(2), 988-995. <https://doi.org/10.1007/s00464-019-06894-9>
- Dowhaniuk, J. K., Szamosi, J., Chorlton, S., Owens, J., Mileski, H., Clause, R. F., Pernica, J. M., Bowdish, D. M. E., **Surette, M. G.**, & **Ratcliffe, E. M.** (2020). Starving the Gut: A Deficit of Butyrate in the Intestinal Ecosystem of Children With Intestinal Failure. *JPEN J Parenter Enteral Nutr*, 44(6), 1112-1123. <https://doi.org/10.1002/jpen.1715>
- Drall, K. M., Field, C. J., Haqq, A. M., **de Souza, R. J.**, Tun, H. M., Morales-Lizcano, N. P., Konya, T. B., Guttman, D. S., Azad, M. B., Becker, A. B., Lefebvre, D. L., Mandhane, P. J., Moraes, T. J., Sears, M. R., Turvey, S. E., Subbarao, P., Scott, J. A., & Kozyrskyj, A. L. (2020). Vitamin D supplementation in pregnancy and early infancy in relation to gut microbiota composition and C. difficile colonization: implications for viral respiratory infections. *Gut Microbes*, 12(1), 1799734. <https://doi.org/10.1080/19490976.2020.1799734>
- Duceppe, E., Patel, A., Chan, M. T. V., Berwanger, O., Ackland, G., Kavsak, P. A., Rodseth, R., Biccard, B., Chow, C. K., Borges, F. K., Guyatt, G., Pearse, R., Sessler, D. I., Heels-Ansdell, D., Kurz, A., Wang, C. Y., Szczeklik, W., Srinathan, S., Garg, A. X., Pettit, S., Sloan, E. N., Januzzi, J. L., Jr., McQueen, M., Buse, G. L., Mills, N. L., Zhang, L., Sapsford, R., **Pare, G.**, Walsh, M., Whitlock, R., Lamy, A., Hill, S., Thabane, L., Yusuf, S., & Devereaux, P. J. (2020). Preoperative N-Terminal Pro-B-Type Natriuretic Peptide and Cardiovascular Events After Noncardiac Surgery: A Cohort Study. *Ann Intern Med*, 172(2), 96-104. <https://doi.org/10.7326/M19-2501>
- Duggan, A. T., Klunk, J., Porter, A. F., Dhody, A. N., Hicks, R., Smith, G. L., Humphreys, M., McCollum, A. M., Davidson, W. B., Wilkins, K., Li, Y., Burke, A., Polasky, H., Flanders, L., Poinar, D., Raphenya, A. R., Lau, T. T. Y., Alcock, B., **McArthur, A. G.**, Golding, G. B., Holmes, E. C., & Poinar, H. N. (2020). The origins and genomic diversity of American Civil War Era smallpox vaccine strains. *Genome Biol*, 21(1), 175. <https://doi.org/10.1186/s13059-020-02079-z>
- Duggan, B. M., Cavallari, J. F., Foley, K. P., Barra, N. G., & **Schertzer, J. D.** (2020). RIPK2 Dictates Insulin Responses to Tyrosine Kinase Inhibitors in Obese Male Mice. *Endocrinology*, 161(8). <https://doi.org/10.1210/endo/bqaa086>
- Edwards, B. D., Somayaji, R., Greysson-Wong, J., Izydorczyk, C., Waddell, B., Storey, D. G., Rabin, H. R., **Surette, M. G.**, & Parkins, M. D. (2020). Clinical Outcomes Associated With Escherichia coli Infections in Adults With Cystic Fibrosis: A Cohort Study. *Open Forum Infect Dis*, 7(1), ofz476. <https://doi.org/10.1093/ofid/ofz476>
- El-Sayes, J., Turco, C. V., Skelly, L. E., Locke, M. B., **Gibala, M. J.**, & Nelson, A. J. (2020). Acute high-intensity and moderate-intensity interval exercise do not change corticospinal excitability in low fit, young adults. *PLoS One*, 15(1), e0227581. <https://doi.org/10.1371/journal.pone.0227581>
- Fagerberg, C. R., Taylor, A., Distelmaier, F., Schroder, H. D., Kibaek, M., Wieczorek, D., **Tarnopolsky, M.**, Brady, L., Larsen, M. J., Jamra, R. A., Seibt, A., Hejbol, E. K., Gade, E., Markovic, L., Klee, D., Nagy, P., Rouse, N., Agarwal, P., Dolinsky, V. W., & Bakovic, M. (2020). Choline transporter-like 1 deficiency causes a new type of childhood-onset neurodegeneration. *Brain*, 143(1), 94-111. <https://doi.org/10.1093/brain/awz376>

Farha, M. A., MacNair, C. R., Carfrae, L. A., El Zahed, S. S., Ellis, M. J., Tran, H. R., **McArthur, A. G.**, & Brown, E. D. (2020). Overcoming Acquired and Native Macrolide Resistance with Bicarbonate. *ACS Infect Dis*, 6(10), 2709-2718. <https://doi.org/10.1021/acsinfectdis.0c00340>

Farooqi, M. A. M., **Gerstein, H.**, Yusuf, S., & Leong, D. P. (2020). Accumulation of Deficits as a Key Risk Factor for Cardiovascular Morbidity and Mortality: A Pooled Analysis of 154 000 Individuals. *J Am Heart Assoc*, 9(3), e014686. <https://doi.org/10.1161/JAHA.119.014686>

Feig, D. S., Donovan, L. E., Zinman, B., Sanchez, J. J., Asztalos, E., Ryan, E. A., Fantus, I. G., **Hutton, E.**, Armson, A. B., Lipscombe, L. L., Simmons, D., Barrett, J. F. R., Karanickolas, P. J., Tobin, S., McIntyre, H. D., Tian, S. Y., Tomlinson, G., Murphy, K. E., Feig, D., Donat, D., Gandhi, S., Cleave, B., Zhou, V., Vigiliouk, E., Fong, D., Strom, M., Deans, M., Kamath, A., Godbout, A., Weber, F., Mahone, M., Wo, B. L., Bedard, M.-J., Robinson, M., Daigle, S., Leblanc, S., Ludwig, S., Pockett, S., Slater, L., Donovan, L., Oldford, C., Young, C., Virtanen, H., Lodha, A., Cooper, S., Yamamoto, J., Gougeon, C., Verhesen, C., Zahedi, A., Taha, N., Turner, M., Neculau, M., Robb, C., Szwiega, K., Lee, G., Rey, E., Perreault, S., Coolen, J., Armson, A. B., Ransom, T., Dias, R., Slaunwhite, J., Baxendale, D., Fanning, C., Halperin, I., Gale, V., Kader, T., Hirsimaki, H., Long, H., Lambert, J., Castonguay, A., Chalifoux, S., McManus, R., Watson, M., Powell, A.-M., Sultana, M., ArthurHayward, V., Marin, M., Cauchi, L., MacBean, C., Keely, E., Malcolm, J., Clark, H., Karovitch, A., Belanger, H., Champagne, J., Schutt, K., Sloan, J., Mitchell, J., Favreau, C., O'Shea, E., McGuire, D., Peng, M., St Omer, D., Lee, J., Klinke, J., Young, S., Lee, J., Barts, A., Carr, F., Subrt, P., Miller, D., Coles, K., Capes, S., Smushkin, G., Phillips, R., Fergusson, C., Lacerte, S., Houlden, R., Breen, A., Stone-Hope, B., Ryan, E. A., Kwong, S., Rylance, H., Khurana, R., McNab, T., Beauchamp, S., Weisnagel, S. J., D'Amours, M., Allen, C., Dubé, M.-C., Julien, V.-É., Lambert, C., Bourbonniere, M.-C., Rheaume, L., Bouchard, M., Carson, G., Williams, S., Wolfs, M., Berger, H., Cheng, A., Ray, J., Hanna, A., De Souza, L., Berndt, L., Meltzer, S., Garfield, N., El-Messidi, A., Bastien, L., Segal, S., Thompson, D., Lim, K., Kong, J., Thompson, S., Orr, C., Galway, B., Parsons, M., Rideout, K., Rowe, B., Crane, J., Andrews, W., Joyce, C., Newstead-Angel, J., Brandt, J., Meier, S., Laurie, J., McIntyre, D., Liley, H., Fox, J., Barrett, H., Maguire, F., Nerdal-Bussell, M., Nie, W., Bergan, C., Cavallaro, B., Tremellen, A., Cook, A., Simmons, D., Rajagopal, R., Vizza, L., Mattick, M., Bishop, C., Nema, J., Kludas, R., McLean, M., Hendon, S., Sigmund, A., Wong, V., Lata, P., Russell, H., Singh, R., Zinman, B., Asztalos, E., Fantus, G. I., Lipscombe, L. L., Barrett, J., Tomlinson, G., Murphy, K., McMurray, K., Karanickolas, P., Murphy, H., Sanchez, J., Klein, G., Tian, S., Tobin, S., & Mangoff, K. (2020). Metformin in women with type 2 diabetes in pregnancy (MiTy): a multicentre, international, randomised, placebo-controlled trial. *The Lancet Diabetes & Endocrinology*, 8(10), 834-844. [https://doi.org/10.1016/s2213-8587\(20\)30310-7](https://doi.org/10.1016/s2213-8587(20)30310-7)

Feng, Y. Y., Korale-Liyanage, S., Jarde, A., & **McDonald, S. D.** (2021). Psychological or educational eHealth interventions on depression, anxiety or stress following preterm birth: a systematic review. *J Reprod Infant Psychol*, 39(2), 140-152. <https://doi.org/10.1080/02646838.2020.1750576>

Ferdinandusse, S., McWalter, K., Te Brinke, H., L. I. J., Mooijer, P. M., Ruiter, J. P. N., van Lint, A. E. M., Pras-Raves, M., Wever, E., Millan, F., Guillen Sacoto, M. J., Begtrup, A., **Tarnopolsky, M.**, Brady, L., Ladda, R. L., Sell, S. L., Nowak, C. B., Douglas, J., Tian, C., Ulm, E., Perlman, S., Drack, A. V., Chong, K., Martin, N., Brault, J., Brokamp, E., Toro, C., Gahl, W. A., Macnamara, E. F., Wolfe, L., Waisfisz, Q., Zwijnenburg, P. J. G., Ziegler, A., Barth, M., Smith, R., Ellingwood, S., Gaebler-Spira, D., Bakhtiari, S., Kruer, M. C., van Kampen, A. H. C., Wanders, R. J. A., Waterham, H. R., Cassiman, D., & Vaz, F. M. (2020). An autosomal dominant neurological disorder caused by de novo variants in FAR1 resulting in uncontrolled synthesis of ether lipids. *Genet Med*. <https://doi.org/10.1038/s41436-020-01027-3>

Fernandez, M. A., Bertolo, R. F., Duncan, A. M., **Phillips, S. M.**, Elango, R., Ma, D. W., Desroches, S., Grantham, A., & House, J. D. (2020). Translating "protein foods" from the new Canada's Food Guide to consumers: knowledge gaps and recommendations. *Applied Physiology, Nutrition, and Metabolism*, 45(12), 1311-1323. <https://doi.org/10.1139/apnm-2020-0192>

Ferrannini, G., **Gerstein, H.**, Colhoun, H. M., Dagenais, G. R., Diaz, R., Dyal, L., Lakshmanan, M., Mellbin, L., Probstfield, J., Riddle, M. C., Shaw, J. E., Avezum, A., Basile, J. N., Cushman, W. C., Jansky, P., Keltai, M., Lanus, F., Leiter, L. A., Lopez-Jaramillo, P., Pais, P., Pirags, V., Pogosova, N., Raubenheimer, P. J., Sheu, W. H., & Ryden, L. (2020). Similar cardiovascular outcomes in patients with diabetes and established or high risk for coronary vascular disease treated with dulaglutide with and without baseline metformin. *Eur Heart J*. <https://doi.org/10.1093/eurheartj/ehaa777>

Foley, K. P., Zlitni, S., Duggan, B. M., Barra, N. G., Anhe, F. F., Cavallari, J. F., Henriksbo, B. D., Chen, C. Y., Huang, M., Lau, T. C., Plante, R., Schwab, M., Marette, A., & **Schertzer, J. D.** (2020). Gut microbiota impairs insulin clearance in obese mice. *Mol Metab*, 42, 101067. <https://doi.org/10.1016/j.molmet.2020.101067>

- Foroutan, N., **Tarride, J. E.**, Xie, F., Jameel, B., Mills, F., & Levine, M. (2020). Stakeholders' feedback on the proposed recommendations for updating the patented medicine prices review board (pmprb) budget impact analysis guidelines. *J Popul Ther Clin Pharmacol*, 27(1), e1-e24. <https://doi.org/10.15586/jptcp.v27i1.651>
- Fowokan, A., Vincent, K., **Punthakee, Z.**, Waddell, C., Rosin, M., Sran, N., & Lear, S. A. (2020). Exploring Knowledge and Perspectives of South Asian Children and Their Parents Regarding Healthy Cardiovascular Behaviors: A Qualitative Analysis. *Glob Pediatr Health*, 7, 2333794X20924505. <https://doi.org/10.1177/2333794X20924505>
- Fox, K. A. A., **Anand, S. S.**, Abovans, V., Cowie, M. R., Debus, E. S., Zeymer, U., Monje, D., Vogtlander, K., Lawatscheck, R., & Gay, A. (2020). Xarelto plus Acetylsalicylic acid: Treatment patterns and Outcomes in patients with Atherosclerosis (XATOA): Rationale and design of a prospective registry study to assess rivaroxaban 2.5 mg twice daily plus aspirin for prevention of atherothrombotic events in coronary artery disease, peripheral artery disease, or both. *Am Heart J*, 222, 166-173. <https://doi.org/10.1016/j.ahj.2020.01.015>
- Friedman, C. L., Ahmed, R. J., **Hutton, E. K.**, & Darling, E. K. (2020). Resident Attitudes Towards Caesarean Delivery in Canadian Obstetrics and Gynaecology Residency Programs. *J Obstet Gynaecol Can*, 42(1), 16-24. <https://doi.org/10.1016/j.jogc.2019.06.013>
- Galazzo, G., van Best, N., Bervoets, L., Dapaah, I. O., Savelkoul, P. H., Hornef, M. W., **GI-MDH consortium**, Lau, S., Hamelmann, E., & Penders, J. (2020). Development of the Microbiota and Associations With Birth Mode, Diet, and Atopic Disorders in a Longitudinal Analysis of Stool Samples, Collected From Infancy Through Early Childhood. *Gastroenterology*, 158(6), 1584-1596. <https://doi.org/10.1053/j.gastro.2020.01.024>
- Ganci, F., Pulito, C., Valsoni, S., Sacconi, A., Turco, C., Vahabi, M., Manciocco, V., Mazza, E. M. C., Meens, J., Karamboulas, C., Nichols, A. C., Covello, R., Pellini, R., Spriano, G., Sanguineti, G., **Muti, P.**, Bicciato, S., Ailles, L., Strano, S., Fontemaggi, G., & Blandino, G. (2020). PI3K Inhibitors Curtail MYC-Dependent Mutant p53 Gain-of-Function in Head and Neck Squamous Cell Carcinoma. *Clin Cancer Res*, 26(12), 2956-2971. <https://doi.org/10.1158/1078-0432.CCR-19-2485>
- Gauquelin, L., Hartley, T., **Tarnopolsky, M.**, Dyment, D. A., Brais, B., Geraghty, M. T., Tetreault, M., Ahmed, S., Rojas, S., Choquet, K., Majewski, J., Bernier, F., Innes, A. M., Rouleau, G., Suchowersky, O., Boycott, K. M., & Yoon, G. (2020). Channelopathies Are a Frequent Cause of Genetic Ataxias Associated with Cerebellar Atrophy. *Mov Disord Clin Pract*, 7(8), 940-949. <https://doi.org/10.1002/mdc3.13086>
- Gauthier, P. T., **Holloway, A. C.**, & Vijayan, M. M. (2020). Vape flavourants dull sensory perception and cause hyperactivity in developing zebrafish embryos. *Biol Lett*, 16(9), 20200361. <https://doi.org/10.1098/rsbl.2020.0361>
- Gerstein, H.** (2020). Patient data from routinely collected medical records complement evidence from SGLT2 inhibitor outcome trials [Comment]. *The Lancet Diabetes & Endocrinology*, 8(7), P557-558. [https://doi.org/10.1016/S2213-8587\(20\)30187-X](https://doi.org/10.1016/S2213-8587(20)30187-X)
- Gerstein, H. C.** (2020). Dulaglutide slows kidney disease in type 2 diabetes – Author's reply. *The Lancet*, 395(10224), 559-560. [https://doi.org/10.1016/s0140-6736\(19\)32541-3](https://doi.org/10.1016/s0140-6736(19)32541-3)
- Gerstein, H. C.**, Coleman, R. L., Scott, C. A. B., Xu, S., Tuomilehto, J., Ryden, L., Holman, R. R., & Group, A. C. E. S. (2020). Impact of Acarbose on Incident Diabetes and Regression to Normoglycemia in People With Coronary Heart Disease and Impaired Glucose Tolerance: Insights From the ACE Trial. *Diabetes Care*, 43(9), 2242-2247. <https://doi.org/10.2337/dc19-2046>
- Gerstein, H. C.**, Pare, G., McQueen, M. J., Lee, S. F., Bangdiwala, S. I., Kannt, A., Hess, S., & Investigators, O. T. (2020). Novel Biomarkers for Change in Renal Function in People With Dysglycemia. *Diabetes Care*, 43(2), 433-439. <https://doi.org/10.2337/dc19-1604>
- Gerstein, H.**, Hart, R., Colhoun, H. M., Diaz, R., Lakshmanan, M., Botros, F. T., Probstfield, J., Riddle, M. C., Ryden, L., & Atisso, C. M. (2020). The effect of dulaglutide on stroke: an exploratory analysis of the REWIND trial. *The Lancet Diabetes & Endocrinology*, 8(2), 106-114. [https://doi.org/10.1016/S2213-8587\(19\)30423-1](https://doi.org/10.1016/S2213-8587(19)30423-1)
- Gibala, M. J.** (2020). Physiological basis of interval training for performance enhancement. *Exp Physiol*. <https://doi.org/10.1113/EP088190>
- Gibala, M. J.**, & Little, J. P. (2020). Physiological basis of brief vigorous exercise to improve health. *J Physiol*, 598(1), 61-69. <https://doi.org/10.1113/JP276849>

- Gillies, R., Lee, K., Vanin, S., Laviolette, S. R., **Holloway, A. C.**, Arany, E., & Hardy, D. B. (2020). Maternal exposure to Delta9-tetrahydrocannabinol impairs female offspring glucose homeostasis and endocrine pancreatic development in the rat. *Reprod Toxicol*, 94, 84-91. <https://doi.org/10.1016/j.reprotox.2020.04.070>
- Glibbery, M., Fleming, A., **Chanchlani, R.**, Ajani, O. A., Marchetti, N., Marr, A., & **Samaan, M. C.** (2020). Myalgia and Hematuria in Association with Clonidine and Arginine Administration for Growth Hormone Stimulation Tests. *Case Rep Med*, 2020, 4827072. <https://doi.org/10.1155/2020/4827072>
- Govind, S. K., **Doumouras, A. G.**, Nenshi, R., & Hong, D. (2020). Geographic Variation in Appendiceal Perforation Rates in Canada: a Population-Based Cohort Study. *J Gastrointest Surg*, 24(11), 2620-2627. <https://doi.org/10.1007/s11605-019-04434-3>
- Grabovac, M., Yu, Z. M., Vanstone, M., van Blyderveen, S., Biringer, A., Sword, W., Schmidt, L., & **McDonald, S. D.** (2020). Does Excess First or Second Trimester Weight Gain Predict Excess Total Gestational Weight Gain? A Multicentre Prospective Cohort Study. *J Obstet Gynaecol Can*. <https://doi.org/10.1016/j.jogc.2020.10.022>
- Grami, N., Chong, M., Lali, R., Mohammadi-Shemirani, P., Henshall, D. E., Rannikmae, K., & **Pare, G.** (2020). Global Assessment of Mendelian Stroke Genetic Prevalence in 101 635 Individuals From 7 Ethnic Groups. *Stroke*, 51(4), 1290-1293. <https://doi.org/10.1161/STROKEAHA.119.028840>
- Grondin, J. A., Kwon, Y. H., Far, P. M., Haq, S., & **Khan, W. I.** (2020). Mucins in Intestinal Mucosal Defense and Inflammation: Learning From Clinical and Experimental Studies. *Front Immunol*, 11, 2054. <https://doi.org/10.3389/fimmu.2020.02054>
- Gunaseelan, V., Parkin, P. C., **Wahi, G.**, Birken, C. S., Maguire, J. L., Macarthur, C., Borkhoff, C. M., & Members of the, T. K. C. (2020). Maternal ethnicity and iron status in early childhood in Toronto, Canada: a cross-sectional study. *BMJ Paediatr Open*, 4(1), e000635. <https://doi.org/10.1136/bmjpo-2020-000635>
- Gutgesell, R. M., Tsakiridis, E. E., Jamshed, S., **Steinberg, G. R.**, & **Holloway, A. C.** (2020). Impact of pesticide exposure on adipose tissue development and function. *Biochem J*, 477(14), 2639-2653. <https://doi.org/10.1042/BCJ20200324>
- Hall, R. E., Tusevlijak, N., Wu, C. F., Ibrahim, Q., Schulze, K., Khan, A. M., Desai, D., Awadalla, P., Broet, P., Dummer, T. J. B., Hicks, J., Tardif, J. C., Teo, K. K., Vena, J., Lee, D., Friedrich, M., **Anand, S. S.**, & Tu, J. V. (2020). The Canadian Alliance for Healthy Hearts and Minds: How Well Does It Reflect the Canadian Population? *CJC Open*, 2(6), 599-609. <https://doi.org/10.1016/j.cjco.2020.07.013>
- Hamatschek, C., Yousuf, E. I., Mollers, L. S., So, H. Y., **Morrison, K. M.**, Fusch, C., & Rochow, N. (2020). Fat and Fat-Free Mass of Preterm and Term Infants from Birth to Six Months: A Review of Current Evidence. *Nutrients*, 12(2). <https://doi.org/10.3390/nu12020288>
- Harasym, D., Turco, C. V., Nicolini, C., Toepp, S. L., Jenkins, E. M., **Gibala, M. J.**, **Noseworthy, M. D.**, & Nelson, A. J. (2020). Fitness Level Influences White Matter Microstructure in Postmenopausal Women. *Front Aging Neurosci*, 12, 129. <https://doi.org/10.3389/fnagi.2020.00129>
- Hart, L., Farbod, Y., Szamosi, J. C., Yamamoto, M., Britz-McKibbin, P., Halgren, C., Zachos, M., & **Pai, N.** (2020). Effect of Exclusive Enteral Nutrition and Corticosteroid Induction Therapy on the Gut Microbiota of Pediatric Patients with Inflammatory Bowel Disease. *Nutrients*, 12(6). <https://doi.org/10.3390/nu12061691>
- Hawke, T. J.**, & Isenberg, J. S. (2020). AJP-Cell Physiology begins a new Theme of Reviews on "Inflammation: From Cellular Mechanisms to Immune Cell Education". *Am J Physiol Cell Physiol*, 318(5), C831. <https://doi.org/10.1152/ajpcell.00111.2020>
- Heirali, A., Thornton, C., Acosta, N., Somayaji, R., Laforest Lapointe, I., Storey, D., Rabin, H., Waddell, B., Rossi, L., Arrieta, M. C., **Surette, M.**, & Parkins, M. D. (2020). Sputum microbiota in adults with CF associates with response to inhaled tobramycin. *Thorax*, 75(12), 1058-1064. <https://doi.org/10.1136/thoraxjnl-2019-214191>
- Helpman, L., Pond, G. R., Elit, L., **Anderson, L. N.**, & Seow, H. (2020). Disparities in surgical management of endometrial cancers in a public healthcare system: A question of equity. *Gynecologic Oncology*, 159(2), 387-393. <https://doi.org/10.1016/j.ygyno.2020.08.029>
- Helpman, L., Pond, G. R., Elit, L., **Anderson, L. N.**, & Seow, H. (2020). Endometrial cancer presentation is associated with social determinants of health in a public healthcare system: A population-based cohort study. *Gynecologic Oncology*, 158(1), 130-136. <https://doi.org/10.1016/j.ygyno.2020.04.693>

- Henriksbo, B. D., Tamrakar, A. K., Phulka, J. S., Barra, N. G., & **Schertzer, J. D.** (2020). Statins activate the NLRP3 inflammasome and impair insulin signaling via p38 and mTOR. *Am J Physiol Endocrinol Metab*, 319(1), E110-E116. <https://doi.org/10.1152/ajpendo.00125.2020>
- Hiatt, W. R., Bonaca, M. P., Patel, M. R., Nehler, M. R., Debus, E. S., **Anand, S. S.**, Capell, W. H., Brackin, T., Jaeger, N., Hess, C. N., Pap, A. F., Berkowitz, S. D., Muehlhofer, E., Haskell, L., Brasil, D., Madaric, J., Sillesen, H., Szalay, D., & Bauersachs, R. (2020). Rivaroxaban and Aspirin in Peripheral Artery Disease Lower Extremity Revascularization: Impact of Concomitant Clopidogrel on Efficacy and Safety. *Circulation*, 142(23), 2219-2230. <https://doi.org/10.1161/CIRCULATIONAHA.120.050465>
- Hirsch, L., Shah, P. S., Khurshid, F., Masse, E., Murphy, K., **McDonald, S. D.**, Carson, G., Barrett, J., Melamed, N., Canadian Neonatal Network, I., & the Canadian Preterm Birth Network, I. (2020). Mode of delivery and neonatal outcomes in extremely preterm Vertex/nonVertex twins. *Am J Obstet Gynecol*. <https://doi.org/10.1016/j.ajog.2020.12.002>
- Hillmer, A., Chawar, C., Sanger, S., D'Elia, A., Butt, M., Kapoor, R., Kapczynski, F., **Pare, G.**, Thabane, L., & Samaan, Z. (2020). Genetic determinants of cannabis use: a systematic review protocol. *Syst Rev*, 9(1), 190. <https://doi.org/10.1186/s13643-020-01442-2>
- Ho, R. A., Hall, G. B., **Noseworthy, M. D.**, & DeMatteo, C. (2020). Post-concussive depression: evaluating depressive symptoms following concussion in adolescents and its effects on executive function. *Brain Inj*, 34(4), 520-527. <https://doi.org/10.1080/02699052.2020.1725841>
- Horne, R. G., Yu, Y., Zhang, R., Abdalqadir, N., Rossi, L., **Surette, M.**, Sherman, P. M., & Adeli, K. (2020). High Fat-High Fructose Diet-Induced Changes in the Gut Microbiota Associated with Dyslipidemia in Syrian Hamsters. *Nutrients*, 12(11). <https://doi.org/10.3390/nu12113557>
- Hunt, K. D., **Doumouras, A. G.**, Lee, Y., Gmora, S., Anvari, M., & Hong, D. (2020). The effect of surrogate procedure volume on bariatric surgery outcomes: do common laparoscopic general surgery procedures matter? *Surg Endosc*, 34(3), 1278-1284. <https://doi.org/10.1007/s00464-019-06897-6>
- Huynh, J., Menezes, H. T., **Gerstein, H.**, & **Sherifali, D.** (2020). Exploring the Experiences of Adults With Type 2 Diabetes on Sodium Glucose Cotransporter 2 Inhibitors. *Can J Diabetes*, 44(2), 184-191. <https://doi.org/10.1016/j.cjcd.2019.06.004>
- Isayama, T., O'Reilly, D., Beyene, J., Shah, P. S., Lee, S. K., & **McDonald, S. D.** (2020). Hospital Care Cost and Resource Use of Early Discharge of Healthy Late Preterm and Term Singletons: A Population-based Cohort Study and Cost Analysis. *J Pediatr*. <https://doi.org/10.1016/j.jpeds.2020.06.060>
- Isfahanian, N., Lukka, H., Dayes, I., Quan, K., Schnarr, K. L., Douvi, G., Goldberg, M., Wright, J., Swaminath, A., Chow, T., Diamond, K., Cutz, J. C., Kavsak, P., Thabane, L., & **Tsakiridis, T.** (2020). A Randomized Phase II Trial of Prostate Boost Irradiation With Stereotactic Body Radiotherapy (SBRT) or Conventional Fractionation (CF) External Beam Radiotherapy (EBRT) in Locally Advanced Prostate Cancer: The PBS Trial (NCT03380806). *Clin Genitourin Cancer*, 18(4), e410-e415. <https://doi.org/10.1016/j.clgc.2019.12.020>
- Islam, S., **Anand, S.**, Hamid, J., Thabane, L., & Beyene, J. (2020). A copula-based method of classifying individuals into binary disease categories using dependent biomarkers. *Statistical Methods & Applications*, 29(4), 871-897. <https://doi.org/10.1007/s10260-020-00507-9>
- Izydorczyk, C., Waddell, B., Edwards, B. D., Greysson-Wong, J., **Surette, M. G.**, Somayaji, R., Rabin, H. R., Conly, J. M., Church, D. L., & Parkins, M. D. (2020). Epidemiology of E. coli in Cystic Fibrosis Airways Demonstrates the Capacity for Persistent Infection but Not Patient-Patient Transmission. *Front Microbiol*, 11, 475. <https://doi.org/10.3389/fmicb.2020.00475>
- Jakubowski, J. S., Nunes, E. A., Teixeira, F. J., Vescio, V., Morton, R. W., Banfield, L., & **Phillips, S. M.** (2020). Supplementation with the Leucine Metabolite β -hydroxy- β -methylbutyrate (HMB) does not Improve Resistance Exercise-Induced Changes in Body Composition or Strength in Young Subjects: A Systematic Review and Meta-Analysis. *Nutrients*, 12(5), 1523. <https://doi.org/10.3390/nu12051523>
- Jamshed, L., Perono, G. A., Jamshed, S., & **Holloway, A. C.** (2020). Early Life Exposure to Nicotine: Postnatal Metabolic, Neurobehavioral and Respiratory Outcomes and the Development of Childhood Cancers. *Toxicol Sci*, 178(1), 3-15. <https://doi.org/10.1093/toxsci/kfaa127>
- Jamshed, L., Raez-Villanueva, S., Perono, G. A., Thomas, P. J., & **Holloway, A. C.** (2020). The effects of a technical mixture of naphthenic acids on placental trophoblast cell function. *Reprod Toxicol*, 96, 413-423. <https://doi.org/10.1016/j.reprotox.2020.08.011>

- Jarde, A., Feng, Y. Y., Viaje, K. A., Shah, P. S., & McDonald, S. D. (2020). Vaginal birth vs caesarean section for extremely preterm vertex infants: a systematic review and meta-analyses. *Arch Gynecol Obstet*, 301(2), 447-458. <https://doi.org/10.1007/s00404-019-05417-0>
- Javed, A. A., Aljied, R., Allison, D. J., Anderson, L. N., Ma, J., & Raina, P. (2020). Body mass index and all-cause mortality in older adults: A scoping review of observational studies. *Obesity Reviews*, 21(8). <https://doi.org/10.1111/obr.13035>
- Joanisse, S., Lim, C., McKendry, J., Mcleod, J. C., Stokes, T., & Phillips, S. M. (2020). Recent advances in understanding resistance exercise training-induced skeletal muscle hypertrophy in humans. *F1000Research*, 9, 141. <https://doi.org/10.12688/f1000research.21588.1>
- Jorgenson, K. W., Phillips, S. M., & Hornberger, T. A. (2020). Identifying the Structural Adaptations that Drive the Mechanical Load-Induced Growth of Skeletal Muscle: A Scoping Review. *Cells*, 9(7), 1658. <https://doi.org/10.3390/cells9071658>
- Kajantie, E., Johnson, S., Heinonen, K., Anderson, P. J., Wolke, D., Evensen, K. A. I., Raikkonen, K., Darlow, B. A., van der Pal, S., Indredavik, M. S., Jaekel, J., Hovi, P., Morrison, K., Verrips, E., Doyle, L. W., & Collaboration, A. A. B. P. I. (2020). Common Core Assessments in follow-up studies of adults born preterm-Recommendation of the Adults Born Preterm International Collaboration. *Paediatr Perinat Epidemiol*. <https://doi.org/10.1111/ppe.12694>
- Kandasamy, S., Anglin, R., Gaiand, L., Desai, D., Wahi, G., Gupta, M., & Anand, S. S. (2020). A qualitative investigation of optimal perinatal health: the perspectives of south Asian grandmothers living in southern Ontario, Canada. *BMC Pregnancy Childbirth*, 20(1), 113. <https://doi.org/10.1186/s12884-020-2762-0>
- Kandasamy, S., Nguyen, L., Desai, D., Anand, S. S., Sherifali, D., & de Souza, R. J. (2021). Barriers to, and Facilitators of, Lifestyle Changes to Prevent Gestational Diabetes: An Interpretive Description of South Asian Women and Health-Care Providers Living and Working in Southern Ontario, Canada. *Can J Diabetes*, 45(2), 144-154. <https://doi.org/10.1016/j.cjcd.2020.07.001>
- Keene, K. L., Hyacinth, H. I., Bis, J. C., Kittner, S. J., Mitchell, B. D., Cheng, Y. C., Pare, G., Chong, M., O'Donnell, M., Meschia, J. F., Chen, W. M., Sale, M. M., Rich, S. S., Nalls, M. A., Zonderman, A. B., Evans, M. K., Wilson, J. G., Correa, A., Markus, H. S., Traylor, M., Lewis, C. M., Carty, C. L., Reiner, A., Haessler, J., Langefeld, C. D., Gottesman, R., Mosley, T. H., Woo, D., Yaffe, K., Liu, Y., Longstreth, W. T., Psaty, B. M., Kooperberg, C., Lange, L. A., Sacco, R., Rundek, T., Lee, J. M., Cruchaga, C., Furie, K. L., Arnett, D. K., Benavente, O. R., Grewal, R. P., Peddareddygar, L. R., Dichgans, M., Malik, R., Worrall, B. B., Fornage, M., Compass, S., & Consortia, M. (2020). Genome-Wide Association Study Meta-Analysis of Stroke in 22 000 Individuals of African Descent Identifies Novel Associations With Stroke. *Stroke*, 51(8), 2454-2463. <https://doi.org/10.1161/STROKEAHA.120.029123>
- Kennedy, E. K. C., Perono, G. A., Nemez, D. B., Holloway, A. C., Thomas, P. J., Letcher, R., Marvin, C., Stetefeld, J., Stout, J., Peters, O., Palace, V., & Tomy, G. (2020). Increasing cannabis use and importance as an environmental contaminant mixture and associated risks to exposed biota: A review. *CRITICAL REVIEWS IN ENVIRONMENTAL SCIENCE AND TECHNOLOGY*. <https://doi.org/10.1080/10643389.2020.1819730>
- Khan, W. I., Ip, S., Halder, S. L. S., Marshall, J., Chauhan, U., Sharif, S., Agbor, T. A., & Kyle, B. D. (2020). Fecal Calprotectin, CRP and Leucocytes in IBD Patients: Comparison of Biomarkers With Biopsy Results. *Journal of the Canadian Association of Gastroenterology*. <https://doi.org/10.1093/jcag/gwaa009>
- Khlevner, J., Rosen, R., Ambartsumyan, L., Lusman, S. S., Rosen, J. M., Yacob, D., Mousa, H., Nurko, S., Di Lorenzo, C., Boruta, M., Ratcliffe, E. M., Feinstein, L., Snyder, J., Wood, R. J., Graham, K., Saps, M., Gyawali, C. P., Rodriguez, L., & Belkind-Gerson, J. (2021). Development of Entrustable Professional Activities and Standards in Training in Pediatric Neurogastroenterology and Motility: North American Society for Pediatric Gastroenterology, Hepatology and Nutrition and American Neurogastroenterology and Motility Society Position Paper. *J Pediatr Gastroenterol Nutr*, 72(1), 168-180. <https://doi.org/10.1097/MPG.0000000000002965>
- King-Dowling, S., Proudfoot, N. A., Cairney, J., & Timmons, B. W. (2020). Motor Competence, Physical Activity, and Fitness across Early Childhood. *Med Sci Sports Exerc*, 52(11), 2342-2348. <https://doi.org/10.1249/MSS.0000000000002388>
- Klowak, J. A., El Helou, S., Pernica, J. M., Parker, M. J., Surette, M., Poinar, H., Fox-Robichaud, A. E., & Canadian Critical Care Translational Biology, G. (2020). Fast Identification of Pathogens in Neonates (FINDPATH-N): protocol for a prospective pilot cohort study of next-generation sequencing for pathogen identification in neonates with suspected sepsis. *BMJ Paediatr Open*, 4(1), e000651. <https://doi.org/10.1136/bmjpo-2020-000651>

- Cluck, G. E. G., Durham, K. K., Yoo, J. A., & Trigatti, B. L. (2020). High Density Lipoprotein and Its Precursor Protein Apolipoprotein A1 as Potential Therapeutics to Prevent Anthracycline Associated Cardiotoxicity. *Front Cardiovasc Med*, 7, 65. <https://doi.org/10.3389/fcvm.2020.00065>
- Koipuram, A., Carroll, S., Punthakee, Z., & Sherifali, D. (2020). Diabetes knowledge, risk perception, and quality of life among South Asian caregivers in young adulthood. *BMJ Open Diabetes Res Care*, 8(2). <https://doi.org/10.1136/bmjdr-2020-001268>
- Komorowski, A. S., Li, X. X., Piessens, E., McArthur, A. G., & Patel, A. (2020). Recurrent multidrug-resistant *Salmonella enterica* serovar Typhimurium bacteremia in a returned traveller. *JAMMI: Journal of the Association of Medical Microbiology & Infectious Disease Canada*, 5(4), 264-272. <https://doi.org/10.3138/jammi-2020-0020>
- Kumar, R., Palmer, E., Gardner, A. E., Carroll, R., Banka, S., Abdelhadi, O., Donnai, D., Elgersma, Y., Curry, C. J., Gardham, A., Suri, M., Malla, R., Brady, L. I., Tarnopolsky, M., Azmanov, D. N., Atkinson, V., Black, M., Baynam, G., Dreyer, L., Hayeems, R. Z., Marshall, C. R., Costain, G., Wessels, M. W., Baptista, J., Drummond, J., Leffler, M., Field, M., & Gecz, J. (2020). Expanding Clinical Presentations Due to Variations in THOC2 mRNA Nuclear Export Factor. *FRONTIERS IN MOLECULAR NEUROSCIENCE*, 13. <https://doi.org/10.3389/fnmol.2020.00012>
- Kumbhare, D., Shaw, S., Ahmed, S., & Noseworthy, M. D. (2020). Quantitative ultrasound of trapezius muscle involvement in myofascial pain: comparison of clinical and healthy population using texture analysis. *J Ultrasound*, 23(1), 23-30. <https://doi.org/10.1007/s40477-018-0330-5>
- Kurtz Landy, C., Sword, W., Kathnelson, J. C., McDonald, S., Biringer, A., Heaman, M., & Angle, P. (2020). Factors obstetricians, family physicians and midwives consider when counselling women about a trial of labour after caesarean and planned repeat caesarean: a qualitative descriptive study. *BMC Pregnancy Childbirth*, 20(1), 367. <https://doi.org/10.1186/s12884-020-03052-1>
- Kushnir, A., Todd, J. J., Witherspoon, J. W., Yuan, Q., Reiken, S., Lin, H., Munce, R. H., Wajsberg, B., Melville, Z., Clarke, O. B., Wedderburn-Pugh, K., Wronska, A., Razaqyar, M. S., Chrismer, I. C., Shelton, M. O., Mankodi, A., Grunseich, C., Tarnopolsky, M. A., Tanji, K., Hirano, M., Riazi, S., Kraeva, N., Voermans, N. C., Gruber, A., Allen, C., Meilleur, K. G., & Marks, A. R. (2020). Intracellular calcium leak as a therapeutic target for RYR1-related myopathies. *Acta Neuropathol*, 139(6), 1089-1104. <https://doi.org/10.1007/s00401-020-02150-w>
- Kwan, M. Y. W., Ceccacci, A., Paolucci, N., & Rebar, A. (2020). Physical Activity and Internalizing Symptoms During the Transition from Adolescence to Emerging Adulthood: A Systematic Review of Prospective and Longitudinal Studies [Systematic Review]. *Adolescent Research Review*, 6, 75-89. <https://doi.org/10.1007/s40894-020-00132-3>
- Kwan, M. Y. W., Dutta, P., Bray, S. R., Brown, D. M. Y., Cairney, J., Dunton, G. F., Graham, J. D., Rebar, A. L., & Rhodes, R. E. (2020). Methods and design for the ADAPT study: Application of integrateD Approaches to understanding Physical activity during the Transition to emerging adulthood. *BMC Public Health*, 20(1), 1-8. <https://doi.org/10.1186/s12889-020-08484-0>
- Kwan, M. Y. W., Graham, J. D., Healey, C., Paolucci, N., & Brown, D. M. (2020). Stopping the Drop: Examining the Impact of a Pilot Physical Literacy-Based Intervention Program on Physical Activity Behaviours and Fitness during the Transition into University. *Int J Environ Res Public Health*, 17(16). <https://doi.org/10.3390/ijerph17165832>
- Lamri, A., Mao, S., Desai, D., Gupta, M., Pare, G., & Anand, S. S. (2020). Fine-tuning of Genome-Wide Polygenic Risk Scores and Prediction of Gestational Diabetes in South Asian Women. *Sci Rep*, 10(1), 8941. <https://doi.org/10.1038/s41598-020-65360-y>
- Lee, H., Zandkarimi, F., Zhang, Y., Meena, J. K., Kim, J., Zhuang, L., Tyagi, S., Ma, L., Westbrook, T. F., Steinberg, G. R., Nakada, D., Stockwell, B. R., & Gan, B. (2020). Energy-stress-mediated AMPK activation inhibits ferroptosis. *Nat Cell Biol*, 22(2), 225-234. <https://doi.org/10.1038/s41556-020-0461-8>
- Lee, M. J. C., Ballantyne, J. K., Chagolla, J., Hopkins, W. G., Fyfe, J. J., Phillips, S. M., Bishop, D. J., & Bartlett, J. D. (2020). Order of same-day concurrent training influences some indices of power development, but not strength, lean mass, or aerobic fitness in healthy, moderately-active men after 9 weeks of training. *PLOS ONE*, 15(5), e0233134. <https://doi.org/10.1371/journal.pone.0233134>
- Lee, J. K., Doumouras, A. G., Springer, J. E., Eskicioglu, C., Amin, N., Cadeddu, M., & Hong, D. (2020). Examining the transferability of colon and rectal operative experience on outcomes following laparoscopic rectal surgery. *Surg Endosc*, 34(3), 1231-1236. <https://doi.org/10.1007/s00464-019-06885-w>

- Lee, J. S., Cinanni, N., Di Cristofaro, N., Lee, S., Dillenburg, R., Adamo, K. B., Mondal, T., Barrowman, N., Shanmugam, G., **Timmons, B. W.**, & Longmuir, P. W. (2020). Parents of Very Young Children with Congenital Heart Defects Report Good Quality of Life for Their Children and Families Regardless of Defect Severity. *Pediatr Cardiol*, 41(1), 46-53. <https://doi.org/10.1007/s00246-019-02220-1>
- Lee, Y., **Doumouras, A. G.**, Yu, J., Gmora, S., Anvari, M., & Hong, D. (2020). Response to the comment on "Laparoscopic Sleeve Gastrectomy Versus Laparoscopic Roux-en-Y Gastric Bypass: A Systematic Review and Meta-analysis of Weight Loss, Comorbidities, and Biochemical Outcomes From Randomized Controlled Trials". *Ann Surg*. <https://doi.org/10.1097/SLA.0000000000003893>
- Lee, Y., Yu, J., **Doumouras, A. G.**, Li, J., & Hong, D. (2020). Enhanced recovery after surgery (ERAS) versus standard recovery for elective gastric cancer surgery: A meta-analysis of randomized controlled trials. *Surg Oncol*, 32, 75-87. <https://doi.org/10.1016/j.suronc.2019.11.004>
- Lees, M. J., Wilson, O. J., Webb, E. K., Traylor, D. A., Prior, T., Elia, A., Harlow, P. S., Black, A. D., Parker, P. J., Harris, N., Cooke, M., Balchin, C., Butterworth, M., **Phillips, S. M.**, & Ispoglou, T. (2020). Novel Essential Amino Acid Supplements Following Resistance Exercise Induce Aminoacidemia and Enhance Anabolic Signaling Irrespective of Age: A Proof-of-Concept Trial. *Nutrients*, 12(7), 2067. <https://doi.org/10.3390/nu12072067>
- Leigh, J., Rickard, M., Sanger, S., Petropoulos, J., Braga, L. H., & **Chanclani, R.** (2020). Antibiotic prophylaxis for prevention of urinary tract infections in the first year of life in children with vesicoureteral reflux diagnosed in the workup of antenatal hydronephrosis: a systematic review. *Pediatr Nephrol*, 35(9), 1639-1646. <https://doi.org/10.1007/s00467-020-04568-6>
- Levy, M. A., Kerkhof, J., Belmonte, F. R., Kaufman, B. A., Bhai, P., Brady, L., Bursztyn, L., **Tarnopolsky, M.**, Rupar, T., & Sadikovic, B. (2021). Validation and clinical performance of a combined nuclear-mitochondrial next-generation sequencing and copy number variant analysis panel in a Canadian population. *Am J Med Genet A*, 185(2), 486-499. <https://doi.org/10.1002/ajmg.a.61998>
- Li, M., Reynolds, C. M., Gray, C., Patel, R., **Sloboda, D. M.**, & Vickers, M. H. (2019). Long-term effects of a maternal high-fat: high-fructose diet on offspring growth and metabolism and impact of maternal taurine supplementation. *J Dev Orig Health Dis*, 1-8. <https://doi.org/10.1017/S2040174419000709>
- Li, Y. C., Chirico, D., Graham, J. D., **Kwan, M. Y. W.**, & Cairney, J. (2020). Motor Coordination and Moderate-to-Vigorous Physical Activity in Emerging Adults: Mediating Effect of Physical Self-Concept. *Int J Environ Res Public Health*, 17(11). <https://doi.org/10.3390/ijerph17113748>
- Lim, C., Dunford, E. C., Valentino, S. E., Oikawa, S. Y., McGlory, C., Baker, S. K., MacDonald, M. J., & **Phillips, S. M.** (2020). Both Traditional and Stair Climbing-based HIIT Cardiac Rehabilitation Induce Beneficial Muscle Adaptations. *Medicine & Science in Sports & Exercise*, Publish Ahead of Print. <https://doi.org/10.1249/mss.0000000000002573>
- Liyanage, S. K., Ninan, K., & **McDonald, S. D.** (2020). Guidelines on Deferred Cord Clamping and Cord Milking: A Systematic Review. *Pediatrics*, 146(5). <https://doi.org/10.1542/peds.2020-1429>
- Locke, M. B., Toepp, S. L., Turco, C. V., Harasym, D. H., Rathbone, M. P., **Noseworthy, M. D.**, & Nelson, A. J. (2020). Altered motor system function in post-concussion syndrome as assessed via transcranial magnetic stimulation. *Clin Neurophysiol Pract*, 5, 157-164. <https://doi.org/10.1016/j.cnp.2020.07.004>
- Lu, J. Q., & **Tarnopolsky, M. A.** (2020). Response to "Relation between intra-mitochondrial inclusions and pathophysiology of mitochondrial myopathy remains unprecise". *J Neurol Sci*, 414, 116895. <https://doi.org/10.1016/j.jns.2020.116895>
- Lu, J. Q., Monaco, C. M. F., **Hawke, T. J.**, Yan, C., & **Tarnopolsky, M. A.** (2020). Increased intra-mitochondrial lipofuscin aggregates with spherical dense body formation in mitochondrial myopathy. *J Neurol Sci*, 413, 116816. <https://doi.org/10.1016/j.jns.2020.116816>
- Lurz, E., Horne, R. G., Maattanen, P., Wu, R. Y., Botts, S. R., Li, B., Rossi, L., Johnson-Henry, K. C., Pierro, A., **Surette, M. G.**, & Sherman, P. M. (2020). Vitamin B12 Deficiency Alters the Gut Microbiota in a Murine Model of Colitis. *Front Nutr*, 7, 83. <https://doi.org/10.3389/fnut.2020.00083>
- Maan, H., Mbareche, H., Raphenya, A. R., Banerjee, A., Nasir, J. A., Kozak, R. A., Knox, N., Mubareka, S., **McArthur, A. G.**, & Wang, B. (2020). Genotyping SARS-CoV-2 through an interactive web application. *The Lancet Digital Health*, 2(7), e340–e341. [https://doi.org/10.1016/s2589-7500\(20\)30140-0](https://doi.org/10.1016/s2589-7500(20)30140-0)

- MacColl, C., Stein, N., **Tarnopolsky, M.**, & Lu, J. Q. (2020). Neurodevelopmental and associated changes in a patient with Xp22.31 duplication. *Neurol Sci*, 41(3), 713-716. <https://doi.org/10.1007/s10072-019-04065-1>
- MacInnis, M. J., Dziedzic, C. E., Wood, E., Oikawa, S. Y., & **Phillips, S. M.** (2020). Presleep α -Lactalbumin Consumption Does Not Improve Sleep Quality or Time-Trial Performance in Cyclists. *International Journal of Sport Nutrition and Exercise Metabolism*, 30(3), 197-202. <https://doi.org/10.1123/ijsnem.2020-0009>
- MacNeil, L. T., **Schertzer, J. D.**, & **Steinberg, G. R.** (2020). Bacteria transmit metformin-associated lifespan extension. *Nat Rev Endocrinol*, 16(1), 9-10. <https://doi.org/10.1038/s41574-019-0278-3>
- Mahmoodi, B. K., Tragante, V., Kleber, M. E., Holmes, M. V., Schmidt, A. F., McCubrey, R. O., Howe, L. J., Direk, K., Allayee, H., Baranova, E. V., Braund, P. S., Delgado, G. E., Eriksson, N., Gijssberts, C. M., Gong, Y., Hartiala, J., Heydarpour, M., Pasterkamp, G., Kotti, S., Kuukasjarvi, P., Lenzini, P. A., Levin, D., Lyytikainen, L. P., Muehlschlegel, J. D., Nelson, C. P., Nikus, K., Pilbrow, A. P., Wilson Tang, W. H., van der Laan, S. W., van Setten, J., Vilmundarson, R. O., Deanfield, J., Deloukas, P., Dudbridge, F., James, S., Mordi, I. R., Teren, A., Bergmeijer, T. O., Body, S. C., Bots, M., Burkhardt, R., Cooper-DeHoff, R. M., Cresci, S., Danchin, N., Doughty, R. N., Grobbee, D. E., Hagstrom, E., Hazen, S. L., Held, C., Hoefler, I. E., Hovingh, G. K., Johnson, J. A., Kaczor, M. P., Kahonen, M., Klungel, O. H., Laurikka, J. O., Lehtimaki, T., Maitland-van der Zee, A. H., McPherson, R., Palmer, C. N., Kraaijeveld, A. O., Pepine, C. J., Sanak, M., Sattar, N., Scholz, M., Simon, T., Spertus, J. A., Stewart, A. F. R., Szczeklik, W., Thiery, J., Visseren, F. L. J., Waltenberger, J., Richards, A. M., Lang, C. C., Cameron, V. A., Akerblom, A., **Pare, G.**, Marz, W., Samani, N. J., Hingorani, A. D., Ten Berg, J. M., Wallentin, L., Asselbergs, F. W., & Patel, R. S. (2020). Association of Factor V Leiden With Subsequent Atherothrombotic Events: A GENIUS-CHD Study of Individual Participant Data. *Circulation*, 142(6), 546-555. <https://doi.org/10.1161/CIRCULATIONAHA.119.045526>
- Mahmud, F. H., Clarke, A. B. M., Joachim, K. C., Assor, E., McDonald, C., Saibil, F., Lochnan, H. A., **Punthakee, Z.**, Parikh, A., Advani, A., Shah, B. R., Perkins, B. A., Zuijdwijk, C. S., Mack, D. R., Koltin, D., De Melo, E. N., Hsieh, E., Mukerji, G., Gilbert, J., Bax, K., Lawson, M. L., Cino, M., Beaton, M. D., Saloojee, N. A., Lou, O., Gallego, P. H., Bercik, P., Houlden, R. L., Aronson, R., Kirsch, S. E., Paterson, W. G., & Marcon, M. A. (2020). Screening and Treatment Outcomes in Adults and Children With Type 1 Diabetes and Asymptomatic Celiac Disease: The CD-DIET Study. *Diabetes Care*, 43(7), 1553-1556. <https://doi.org/10.2337/dc19-1944>
- Mangin, D., Lamarche, L., Oliver, D., Bomze, S., Borhan, S., Browne, T., Carr, T., Datta, J., Dolovich, L., Howard, M., Marentette-Brown, S., Risdon, C., Talat, S., **Tarride, J. E.**, Thabane, L., Valaitis, R., & Price, D. (2020). Health TAPESTRY Ontario: protocol for a randomized controlled trial to test reproducibility and implementation. *Trials*, 21(1), 714. <https://doi.org/10.1186/s13063-020-04600-y>
- Marvin, C. H., Tomy, G. T., Thomas, P. J., **Holloway, A. C.**, Sandau, C. D., Idowu, I., & Xia, Z. (2020). Considerations for Prioritization of Polycyclic Aromatic Compounds as Environmental Contaminants. *Environ Sci Technol*, 54(23), 14787-14789. <https://doi.org/10.1021/acs.est.0c04892>
- Masse, L. C., Vlaar, J., Macdonald, J., Bradbury, J., Warshawski, T., Buckler, E. J., Hamilton, J., Ho, J., Buchholz, A., **Morrison, K. M.**, & Ball, G. D. C. (2020). Aim2Be mHealth intervention for children with overweight and obesity: study protocol for a randomized controlled trial. *Trials*, 21(1), 132. <https://doi.org/10.1186/s13063-020-4080-2>
- Mathewson, K. J., McGowan, P. O., de Vega, W. C., Van Lieshout, R. J., **Morrison, K. M.**, Saigal, S., & Schmidt, L. A. (2020). DNA methylation profiles in adults born at extremely low birth weight. *Dev Psychopathol*, 1-18. <https://doi.org/10.1017/S0954579420000899>
- Mattison, C. A., Lavis, J. N., **Hutton, E. K.**, Dion, M. L., & Wilson, M. G. (2020). Understanding the conditions that influence the roles of midwives in Ontario, Canada's health system: an embedded single-case study. *BMC Health Serv Res*, 20(1), 197. <https://doi.org/10.1186/s12913-020-5033-x>
- Mattison, C. A., Lavis, J. N., Wilson, M. G., **Hutton, E. K.**, & Dion, M. L. (2020). A critical interpretive synthesis of the roles of midwives in health systems. *Health Res Policy Syst*, 18(1), 77. <https://doi.org/10.1186/s12961-020-00590-0>
- Mauri, D., Kamposioras, K., Tolia, M., Alongi, F., Tzachanis, D., Petricevic, B., Chilingirova, N., Mihaylova, I., **Tsakiridis, T.**, Salembier, C., Papadimitriou, K., De Mello, R. A., Amaral, G. A., Neves, N. M., Dias, R., Yi, J., Dedic Plavetic, N., Antunac, K., Kountourakis, P., Filis, P. (2020). Summary of international recommendations in 23 languages for patients with cancer during the COVID-19 pandemic. *The Lancet Oncology*, 21(6), 759-760. [https://doi.org/10.1016/s1470-2045\(20\)30278-3](https://doi.org/10.1016/s1470-2045(20)30278-3)

- Mauri, D., Kamposioras, K., Tzachanis, D., Tolia, M., Valachis, A., Dambrosio, M., Alongi, F., De Mello, R. A., Lovey, J., Anthony, A., Christopoulos, C., Sarairoh, H. H., Kountourakis, P., Kamplatsas, E., Tsali, L., **Tsakiridis, T.**, Kosovitsas, I., Soukovelos, A., Lymperatou, D., Polyzos, N., & Zarkavelis, G. (2020). Patient and family support in the era of fake e-medicine: food for thought from an international consensus panel. *ESMO Open*, 5(2). <https://doi.org/10.1136/esmooopen-2020-000696>
- Mayhew, A. J., **Phillips, S. M.**, Sohel, N., Thabane, L., McNicholas, P. D., Souza, R. J., Parise, G., & Raina, P. (2020). The impact of different diagnostic criteria on the association of sarcopenia with injurious falls in the CLSA. *Journal of Cachexia, Sarcopenia and Muscle*, 11(6), 1603–1613. <https://doi.org/10.1002/jcsm.12622>
- Mayhew, A. J., **Phillips, S. M.**, Sohel, N., Thabane, L., McNicholas, P. D., **De Souza, R. J.**, Parise, G., & Raina, P. (2020). Methodological Issues and the Impact of Age Stratification on the Proportion of Participants with Low Appendicular Lean Mass When Adjusting for Height and Fat Mass Using Linear Regression: Results from the Canadian Longitudinal Study on Aging. *The Journal of Nutrition, Health & Aging*, 1–6. <https://doi.org/10.14283/jfa.2020.48>
- Mayhew, A. J., **Phillips, S. M.**, Sohel, N., Thabane, L., McNicholas, P. D., **de Souza, R. J.**, Parise, G., & Raina, P. (2020). The impact of different diagnostic criteria on the association of sarcopenia with injurious falls in the CLSA. *J Cachexia Sarcopenia Muscle*, 11(6), 1603-1613. <https://doi.org/10.1002/jcsm.12622>
- Mbuagbaw, L., **Anderson, L. N.**, Lokker, C., & Thabane, L. (2020). Advice for Junior Faculty Regarding Academic Promotion: What Not to Worry About, and What to Worry About. *Journal of Multidisciplinary Healthcare*, Volume 13, 117–122. <https://doi.org/10.2147/jmdh.s240056>
- McClure, G. R., Kaplovitch, E., Chan, N., Bhagirath, V., Harlock, J., Szalay, D., & **Anand, S. S.** (2020). A National Canadian Survey of Antithrombotic Therapy After Urgent and Emergent Limb Revascularization. *Can J Cardiol*. <https://doi.org/10.1016/j.cjca.2020.06.008>
- McDonald, S. D.**, Yu, Z. M., van Blyderveen, S., Schmidt, L., Sword, W., Vanstone, M., Biringer, A., McDonald, H., & Beyene, J. (2020). Prediction of excess pregnancy weight gain using psychological, physical, and social predictors: A validated model in a prospective cohort study. *PLoS One*, 15(6), e0233774. <https://doi.org/10.1371/journal.pone.0233774>
- McInnes, N.**, Hall, S., Sultan, F., Aronson, R., Hramiak, I., Harris, S., Sigal, R. J., Woo, V., Liu, Y. Y., & **Gerstein, H. C.** (2020). Remission of Type 2 Diabetes Following a Short-term Intervention With Insulin Glargine, Metformin, and Dapagliflozin. *J Clin Endocrinol Metab*, 105(8). <https://doi.org/10.1210/clinem/dgaa248>
- McKechnie, T., Lee, Y., Springer, J. E., **Doumouras, A. G.**, Hong, D., & Eskicioglu, C. (2020). Diverting loop ileostomy with colonic lavage as an alternative to colectomy for fulminant *Clostridioides difficile*: a systematic review and meta-analysis. *Int J Colorectal Dis*, 35(1), 1-8. <https://doi.org/10.1007/s00384-019-03447-3>
- McKendry, J., Currier, B. S., Lim, C., Mcleod, J. C., Thomas, A. C., & **Phillips, S. M.** (2020). Nutritional Supplements to Support Resistance Exercise in Countering the Sarcopenia of Aging. *Nutrients*, 12(7), 2057. <https://doi.org/10.3390/nu12072057>
- McKendry, J., Thomas, A. C. Q., & **Phillips, S. M.** (2020). Muscle Mass Loss in the Older Critically Ill Population: Potential Therapeutic Strategies. *Nutrition in Clinical Practice*, 35(4), 607–616. <https://doi.org/10.1002/ncp.10540>
- McKerracher, L., Fried, R., Kim, A. W., Moffat, T., **Sloboda, D. M.**, & Galloway, T. (2020). Synergies between the Developmental Origins of Health and Disease framework and multiple branches of evolutionary anthropology. *Evol Anthropol*, 29(5), 214-219. <https://doi.org/10.1002/evan.21860>
- McKerracher, L., Moffat, T., Barker, M., McConnell, M., Atkinson, S. A., Murray-Davis, B., **McDonald, S. D.**, & **Sloboda, D. M.** (2020). Knowledge about the Developmental Origins of Health and Disease is independently associated with variation in diet quality during pregnancy. *Matern Child Nutr*, 16(2), e12891. <https://doi.org/10.1111/mcn.12891>
- McKerracher, L., Oresnik, S., Moffat, T., Murray-Davis, B., Vickers-Manzini, J., Zalot, L., Williams, D., **Sloboda, D. M.**, & Barker, M. E. (2020). Addressing embodied inequities in health: how do we enable improvement in women's diet in pregnancy? *Public Health Nutr*, 23(16), 2994-3004. <https://doi.org/10.1017/S1368980020001093>
- McMillan, H. J., Kernohan, K. D., Yeh, E., Amburgey, K., Boyd, J., Campbell, C., Dowling, J. J., Gonorazky, H., Marcadier, J., **Tarnopolsky, M. A.**, Vajsar, J., MacKenzie, A., & Chakraborty, P. (2020). Newborn Screening for Spinal Muscular Atrophy: Ontario Testing and Follow-up Recommendations. *Can J Neurol Sci*, 1-8. <https://doi.org/10.1017/cjn.2020.229>
- Mehta, N., & **Krepinsky, J. C.** (2020). The emerging role of actvins in renal disease. *Current Opinion in Nephrology and Hypertension*, 29(1), 136–144. <https://doi.org/10.1097/mnh.0000000000000560>

- Mezil, Y., **Obeid, J., Raha, S., Hawke, T. J., & Timmons, B. W.** (2020). The Systemic Effects of Exercise on Regulators of Muscle and Bone in Girls and Women. *Pediatric Exercise Science*, 32(3), 117–123. <https://doi.org/10.1123/pes.2019-0179>
- Milkova, N., Parsons, S. P., **Ratcliffe, E.**, Huizinga, J. D., & Chen, J. H. (2020). On the nature of high-amplitude propagating pressure waves in the human colon. *Am J Physiol Gastrointest Liver Physiol*, 318(4), G646-G660. <https://doi.org/10.1152/ajpgi.00386.2019>
- Moayyedi, P., MacQueen, G., Bernstein, C. N., Vanner, S., Bercik, P., Madsen, K. L., **Surette, M.**, Rioux, J. D., Dieleman, L. A., Verdu, E., **de Souza, R. J.**, Otley, A., Targownik, L., Lavis, J., Cunningham, J., Marshall, D. A., Zelinsky, S., & Fernandes, A. (2020). IMAGINE Network's Mind And Gut Interactions Cohort (MAGIC) Study: a protocol for a prospective observational multicentre cohort study in inflammatory bowel disease and irritable bowel syndrome. *BMJ Open*, 10(10), e041733. <https://doi.org/10.1136/bmjopen-2020-041733>
- Mohammadi-Shemirani, P., Chong, M., **Pigeyre, M.**, Morton, R. W., **Gerstein, H. C.**, & Pare, G. (2020). Effects of lifelong testosterone exposure on health and disease using Mendelian randomization. *Elife*, 9. <https://doi.org/10.7554/eLife.58914>
- Mojdani, D., Mitchell, B. D., Spaepen, E., Syring, K., Rabasa-Lhoret, R., **Punthakee, Z.**, Snoek, F., & Peyrot, M. (2020). Conversations and Reactions Around Severe Hypoglycemia Study: Results of Canadian Adults With Insulin Treated Diabetes and Caregivers. *Can J Diabetes*. <https://doi.org/10.1016/j.cjcd.2020.08.104>
- Monaco, C. M. F., Bellissimo, C. A., Hughes, M. C., Ramos, S. V., Laham, R., Perry, C. G. R., & **Hawke, T. J.** (2020). Sexual dimorphism in human skeletal muscle mitochondrial bioenergetics in response to type 1 diabetes. *Am J Physiol Endocrinol Metab*, 318(1), E44-E51. <https://doi.org/10.1152/ajpendo.00411.2019>
- Monaco, C. M. F., Perry, C. G. R., & **Hawke, T. J.** (2020). Alterations in mitochondrial functions and morphology in muscle and non-muscle tissues in type 1 diabetes: implications for metabolic health. *Exp Physiol*, 105(4), 565-570. <https://doi.org/10.1113/EP088096>
- Montgomery, M. K., Bayliss, J., Devereux, C., Bezawork-Geleta, A., Roberts, D., Huang, C., Schittenhelm, R. B., Ryan, A., Townley, S. L., Selth, L. A., Biden, T. J., **Steinberg, G. R.**, Samocha-Bonet, D., Meex, R. C. R., & Watt, M. J. (2020). SMOC1 is a glucose-responsive hepatokine and therapeutic target for glycemic control. *Sci Transl Med*, 12(559). <https://doi.org/10.1126/scitranslmed.aaz8048>
- Moore, J., Klowak, J., Isaza, G., Arora, S., Belostotsky, V., Stein, N., & **Chanclani, R.** (2020). Anterior Ischemic Optic Neuropathy in a Child Receiving Chronic Hemodialysis. *Case Rep Nephrol*, 2020, 7012586. <https://doi.org/10.1155/2020/7012586>
- Moramarco, V., Korale Liyanage, S., Ninan, K., Mukerji, A., & **McDonald, S. D.** (2020). Classical Cesarean: What Are the Maternal and Infant Risks Compared With Low Transverse Cesarean in Preterm Birth, and Subsequent Uterine Rupture? A Systematic Review and Meta-analysis. *J Obstet Gynaecol Can*, 42(2), 179-197 e173. <https://doi.org/10.1016/j.jogc.2019.02.015>
- Morfaw, F., Gao, A., Moore, G., Bacchini, F., Santaguida, P., Mukerji, A., & **McDonald, S. D.** (2020). Experiences, Knowledge, and Preferences of Canadian Parents Regarding Preterm Mode of Birth. *J Obstet Gynaecol Can*. <https://doi.org/10.1016/j.jogc.2020.10.020>
- Morfaw, F., Leenus, A., Mbuagbaw, L., **Anderson, L. N.**, Dillenburg, R., & Thabane, L. (2020). Outcomes after corrective surgery for congenital dextro-transposition of the arteries using the arterial switch technique: a scoping systematic review. *Systematic Reviews*, 9(1). <https://doi.org/10.1186/s13643-020-01487-3>
- Morieri, M. L., Shah, H. S., Sjaarda, J., Lenzini, P. A., Campbell, H., Motsinger-Reif, A. A., Gao, H., Lovato, L., Prudente, S., Pandolfi, A., Pezzolesi, M. G., Sigal, R. J., **Pare, G.**, Marcovina, S. M., Rotroff, D. M., Patomo, E., Mercuri, L., Trischitta, V., Chew, E. Y., Kraft, P., Buse, J. B., Wagner, M. J., Cresci, S., **Gerstein, H. C.**, Ginsberg, H. N., Mychaleckyj, J. C., & Doria, A. (2020). PPARA Polymorphism Influences the Cardiovascular Benefit of Fenofibrate in Type 2 Diabetes: Findings From ACCORD-Lipid. *Diabetes*, 69(4), 771-783. <https://doi.org/10.2337/db19-0973>
- Morrison, K. M.**, Gunn, E., Guay, S., **Obeid, J.**, Schmidt, L. A., & Saigal, S. (2020). Grip strength is lower in adults born with extremely low birth weight compared to term-born controls. *Pediatric Research*. <https://doi.org/10.1038/s41390-020-1012-5>
- Morrow, N. M., Burke, A. C., Samsouandar, J. P., Seigel, K. E., Wang, A., Telford, D. E., Sutherland, B. G., O'Dwyer, C., **Steinberg, G. R.**, Fullerton, M. D., & Huff, M. W. (2020). The citrus flavonoid nobiletin confers protection from metabolic dysregulation in high-fat-fed mice independent of AMPK. *J Lipid Res*, 61(3), 387-402. <https://doi.org/10.1194/jlr.RA119000542>

- Mottillo, E. P., & **Steinberg, G. R.** (2020). Current and emerging roles of adipose tissue in health and disease. *Biochem J*, 477(19), 3645-3647. <https://doi.org/10.1042/BCJ20200718>
- Muratov, S., Canelo-Aybar, C., **Tarride, J. E.**, Alonso-Coello, P., Dimitrova, N., Borisch, B., Castells, X., Duffy, S. W., Fitzpatrick, P., Follmann, M., Giordano, L., Hofvind, S., Lebeau, A., Quinn, C., Torresin, A., Vialli, C., Siesling, S., Ponti, A., Giorgi Rossi, P., Schunemann, H., Nystrom, L., Broeders, M., & group, E. c. (2020). Monitoring and evaluation of breast cancer screening programmes: selecting candidate performance indicators. *BMC Cancer*, 20(1), 795. <https://doi.org/10.1186/s12885-020-07289-z>
- Murray-Davis, B., Berger, H., Melamed, N., Mawjee, K., Syed, M., Barrett, J., Ray, J. G., Geary, M., **McDonald, S. D.**, for, D.-N., & Investigators, S. (2020). Gestational weight gain counselling practices among different antenatal health care providers: a qualitative grounded theory study. *BMC Pregnancy Childbirth*, 20(1), 102. <https://doi.org/10.1186/s12884-020-2791-8>
- Narula, S., Yusuf, S., Chong, M., Ramasundarahettige, C., Rangarajan, S., Bangdiwala, S. I., van Eikels, M., Leineweber, K., Wu, A., **Pigeyre, M.**, & **Paré, G.** (2020). Plasma ACE2 and risk of death or cardiometabolic diseases: a case-cohort analysis. *The Lancet*, 396(10256), 968–976. [https://doi.org/10.1016/s0140-6736\(20\)31964-4](https://doi.org/10.1016/s0140-6736(20)31964-4)
- Nasir, J. A., Kozak, R. A., Aftanas, P., Raphenya, A. R., Smith, K. M., Maguire, F., Maan, H., Alruwaili, M., Banerjee, A., Mbareche, H., Alcock, B. P., Knox, N. C., Mossman, K., Wang, B., Hiscox, J. A., **McArthur, A. G.**, & Mubareka, S. (2020). A Comparison of Whole Genome Sequencing of SARS-CoV-2 Using Amplicon-Based Sequencing, Random Hexamers, and Bait Capture. *Viruses*, 12(8). <https://doi.org/10.3390/v12080895>
- Natale, B. V., Gustin, K. N., Lee, K., **Holloway, A. C.**, Laviolette, S. R., Natale, D. R. C., & Hardy, D. B. (2020). Delta9-tetrahydrocannabinol exposure during rat pregnancy leads to symmetrical fetal growth restriction and labyrinth-specific vascular defects in the placenta. *Sci Rep*, 10(1), 544. <https://doi.org/10.1038/s41598-019-57318-6>
- Nazy, I., Arnold, D. M., & **Steinberg, G. R.** (2020). The mega-importance of de novo lipogenesis in platelet production. *Nat Metab*, 2(10), 999-1000. <https://doi.org/10.1038/s42255-020-00282-7>
- Nederveen, J. P., Joannisse, S., Thomas, A. C. Q., Sniijders, T., Manta, K., Bell, K. E., **Phillips, S. M.**, Kumbhare, D., & Parise, G. (2020). Age-related changes to the satellite cell niche are associated with reduced activation following exercise. *The FASEB Journal*, 34(7), 8975–8989. <https://doi.org/10.1096/fj.201900787r>
- Ng, S. Y., & **Ljubicic, V.** (2020). Recent insights into neuromuscular junction biology in Duchenne muscular dystrophy: Impacts, challenges, and opportunities. *EBioMedicine*, 61, 103032. <https://doi.org/10.1016/j.ebiom.2020.103032>
- Nicolini, C., Michalski, B., Toepp, S. L., Turco, C. V., D'Hoine, T., Harasym, D., **Gibala, M. J.**, Fahnestock, M., & Nelson, A. J. (2020). A Single Bout of High-intensity Interval Exercise Increases Corticospinal Excitability, Brain-derived Neurotrophic Factor, and Uncarboxylated Osteocalcin in Sedentary, Healthy Males. *Neuroscience*, 437, 242-255. <https://doi.org/10.1016/j.neuroscience.2020.03.042>
- Nilsson, M. I., Mikhail, A., Lan, L., Di Carlo, A., Hamilton, B., Barnard, K., Hettinga, B. P., Hatcher, E., Tarnopolsky, M. G., Nederveen, J. P., Bujak, A. L., May, L., & **Tarnopolsky, M. A.** (2020). A Five-Ingredient Nutritional Supplement and Home-Based Resistance Exercise Improve Lean Mass and Strength in Free-Living Elderly. *Nutrients*, 12(8). <https://doi.org/10.3390/nu12082391>
- Noor, S., Dehghan, M., Lear, S. A., Swaminathan, S., Ibrahim, Q., Rangarajan, S., & **Punthakee, Z.** (2020). Relationship between diet and acculturation among South Asian children living in Canada. *Appetite*, 147, 104524. <https://doi.org/10.1016/j.appet.2019.104524>
- Nunes, E. A., Currier, B. S., Lim, C., & **Phillips, S. M.** (2020). Nutrient-dense protein as a primary dietary strategy in healthy ageing: please sir, may we have more? *Proceedings of the Nutrition Society*, 1–14. <https://doi.org/10.1017/s0029665120007892>
- O'Bryan, K. R., Doering, T. M., Morton, R. W., Coffey, V. G., **Phillips, S. M.**, & Cox, G. R. (2019). Do multi-ingredient protein supplements augment resistance training-induced gains in skeletal muscle mass and strength? A systematic review and meta-analysis of 35 trials. *British Journal of Sports Medicine*, 54(10), 573–581. <https://doi.org/10.1136/bjsports-2018-099889>
- Ohkawara, B., Shen, X., Selcen, D., Nazim, M., Bril, V., **Tarnopolsky, M. A.**, Brady, L., Fukami, S., Amato, A. A., Yis, U., Ohno, K., & Engel, A. G. (2020). Congenital myasthenic syndrome-associated agrin variants affect clustering of acetylcholine receptors in a domain-specific manner. *JCI Insight*, 5(7). <https://doi.org/10.1172/jci.insight.132023>

- Oikawa, S. Y., Bahniwal, R., Holloway, T. M., Lim, C., McLeod, J. C., McGlory, C., Baker, S. K., & **Phillips, S. M.** (2020). Potato Protein Isolate Stimulates Muscle Protein Synthesis at Rest and with Resistance Exercise in Young Women. *Nutrients*, 12(5), 1235. <https://doi.org/10.3390/nu12051235>
- Oikawa, S. Y., Kamal, M. J., Webb, E. K., McGlory, C., Baker, S. K., & Phillips, S. M. (2020). Whey protein but not collagen peptides stimulate acute and longer-term muscle protein synthesis with and without resistance exercise in healthy older women: a randomized controlled trial. *The American Journal of Clinical Nutrition*, 111(3), 708–718. <https://doi.org/10.1093/ajcn/nqz332>
- Oikawa, S. Y., Macinnis, M. J., Tripp, T. R., McGlory, C., Baker, S. K., & **Phillips, S. M.** (2019). Lactalbumin, Not Collagen, Augments Muscle Protein Synthesis with Aerobic Exercise. *Medicine & Science in Sports & Exercise*, 52(6), 1394–1403. <https://doi.org/10.1249/mss.0000000000002253>
- Ouellette, A. C., Darling, E. K., Sivapathasundaram, B., Babe, G., Perez, R., Chan, A. K. C., & **Chanchlani, R.** (2020). Incidence, Risk Factors, and Outcomes of Neonatal Renal Vein Thrombosis in Ontario: Population-Based Cohort Study. *Kidney360*, 1(7), 640–647. <https://doi.org/10.34067/kid.0000912019>
- Pai, N.**, Popov, J., Hill, L., & Hartung, E. (2019). Protocol for a double-blind, randomised, placebo-controlled pilot study for assessing the feasibility and efficacy of faecal microbiota transplant in a paediatric Crohn's disease population: PediCRaFT Trial. *BMJ Open*, 9(11), e030120. <https://doi.org/10.1136/bmjopen-2019-030120>
- Paquette, M., Bernard, S., Blank, D., **Pare, G.**, & Baass, A. (2020). A simplified diagnosis algorithm for dysbetalipoproteinemia. *J Clin Lipidol*, 14(4), 431-437. <https://doi.org/10.1016/j.jacl.2020.06.004>
- Paquette, M., Bernard, S., **Pare, G.**, & Baass, A. (2020). Triglycerides, hypertension, and smoking predict cardiovascular disease in dysbetalipoproteinemia. *J Clin Lipidol*, 14(1), 46-52. <https://doi.org/10.1016/j.jacl.2019.12.006>
- Parackal, A., **Tarride, J. E.**, Xie, F., Blackhouse, G., Hoogenes, J., Hylton, D., Hanna, W., Adili, A., Matsumoto, E. D., & Shayegan, B. (2020). Economic evaluation of robot-assisted radical prostatectomy compared to open radical prostatectomy for prostate cancer treatment in Ontario, Canada. *Can Urol Assoc J*, 14(8), E350-E357. <https://doi.org/10.5489/cuaj.6376>
- Pare, G.**, Neupane, B., Eskandarian, S., Harris, E., Halstead, S., Gresh, L., Kuan, G., Balmaseda, A., Villar, L., Rojas, E., Osorio, J. E., Anh, D. D., De Silva, A. D., Premawansa, S., Premawansa, G., Wijewickrama, A., Lorenzana, I., Parham, L., Rodriguez, C., Fernandez-Salas, I., Sanchez-Casas, R., Diaz-Gonzalez, E. E., Saw Aye, K., May, W. L., Thein, M., Bucardo, F., Reyes, Y., Bandon, P., Hirayama, K., Weiss, L., Singh, P., Newton, J., Loeb, M., & Dengue Population Genetics, P. (2020). Genetic risk for dengue hemorrhagic fever and dengue fever in multiple ancestries. *EBioMedicine*, 51, 102584. <https://doi.org/10.1016/j.ebiom.2019.11.045>
- Parkin, P. C., Koroshegyi, C., Mamak, E., Borkhoff, C. M., Birken, C. S., Maguire, J. L., Thorpe, K. E., Aglipay, M., **Anderson, L. N.**, Keown-Stoneman, C., Kowal, C., & Mason, D. (2020). Association between Serum Ferritin and Cognitive Function in Early Childhood. *The Journal of Pediatrics*, 217, 189–191.e2. <https://doi.org/10.1016/j.jpeds.2019.09.051>
- Pedrana, G., Viotti, H., Lombide, P., Cavestany, D., **Martin, G. B.**, Vickers, M. H., & **Sloboda, D. M.** (2020). Maternal undernutrition during pregnancy and lactation affects testicular morphology, the stages of spermatogenic cycle, and the testicular IGF-I system in adult offspring. *J Dev Orig Health Dis*, 11(5), 473-483. <https://doi.org/10.1017/S2040174420000306>
- Pervez, M., **Ratcliffe, E.**, Parsons, S. P., Chen, J. H., & Huizinga, J. D. (2020). The cyclic motor patterns in the human colon. *Neurogastroenterol Motil*, 32(5), e13807. <https://doi.org/10.1111/nmo.13807>
- Petrick, H. L., Foley, K. P., Zlitni, S., Brunetta, H. S., Paglialunga, S., Miotto, P. M., Politis-Barber, V., O'Dwyer, C., Philbrick, D. J., Fullerton, M. D., **Schertzer, J. D.**, & Holloway, G. P. (2020). Adipose Tissue Inflammation Is Directly Linked to Obesity-Induced Insulin Resistance, while Gut Dysbiosis and Mitochondrial Dysfunction Are Not Required. *Function*, 1(2). <https://doi.org/10.1093/function/zqaa013>
- Phillips, S. M.**, Paddon-Jones, D., & Layman, D. K. (2020). Optimizing Adult Protein Intake During Catabolic Health Conditions. *Advances in Nutrition*, 11(4), S1058–S1069. <https://doi.org/10.1093/advances/nmaa047>
- Pigeyre, M.**, Sjaarda, J., Chong, M., Hess, S., Bosch, J., Yusuf, S., **Gerstein, H.**, & **Pare, G.** (2020). ACE and Type 2 Diabetes Risk: A Mendelian Randomization Study. *Diabetes Care*, 43(4), 835-842. <https://doi.org/10.2337/dc19-1973>

Pinkosky, S. L., Scott, J. W., Desjardins, E. M., Smith, B. K., Day, E. A., Ford, R. J., Langendorf, C. G., Ling, N. X. Y., Nero, T. L., Loh, K., Galic, S., Hoque, A., Smiles, W. J., Ngoei, K. R. W., Parker, M. W., Yan, Y., Melcher, K., Kemp, B. E., Oakhill, J. S., & **Steinberg, G. R.** (2020). Long-chain fatty acyl-CoA esters regulate metabolism via allosteric control of AMPK beta1 isoforms. *Nat Metab*, 2(9), 873-881. <https://doi.org/10.1038/s42255-020-0245-2>

Pittayanon, R., Lau, J. T., Leontiadis, G. I., Tse, F., Yuan, Y., **Surette, M.**, & Moayyedi, P. (2020). Differences in Gut Microbiota in Patients With vs Without Inflammatory Bowel Diseases: A Systematic Review. *Gastroenterology*, 158(4), 930-946 e931. <https://doi.org/10.1053/j.gastro.2019.11.294>

Platko, K., Lebeau, P. F., Gyulay, G., Lhotak, S., MacDonald, M. E., Pacher, G., Hyun Byun, J., Boivin, F. J., Igdoura, S. A., Cutz, J. C., Bridgewater, D., Ingram, A. J., **Krepinsky, J. C.**, & **Austin, R. C.** (2020). TDAG51 (T-Cell Death-Associated Gene 51) Is a Key Modulator of Vascular Calcification and Osteogenic Transdifferentiation of Arterial Smooth Muscle Cells. *Arterioscler Thromb Vasc Biol*, 40(7), 1664-1679. <https://doi.org/10.1161/ATVBAHA.119.313779>

Popov, J., Bandura, J., Markovic, F., Borojevic, R., Anipindi, V. C., **Pai, N.**, & **Ratcliffe, E. M.** (2020). Influence of bacterial components on the developmental programming of enteric neurons. *Physiol Rep*, 8(21), e14611. <https://doi.org/10.14814/phy2.14611>

Popov, J., Hartung, E., Hill, L., Chauhan, U., & **Pai, N.** (2020). Pediatric Patient and Parent Perceptions of Fecal Microbiota Transplantation for the Treatment of Ulcerative Colitis. *J Pediatr Gastroenterol Nutr*. <https://doi.org/10.1097/MPG.0000000000002995>

Povazan, M., Mikkelsen, M., Berrington, A., Bhattacharyya, P. K., Brix, M. K., Buur, P. F., Cecil, K. M., Chan, K. L., Chen, D. Y. T., Craven, A. R., Cuyper, K., Dacko, M., Duncan, N. W., Dydak, U., Edmondson, D. A., Ende, G., Ersland, L., Forbes, M. A., Gao, F., Greenhouse, I., Harris, A. D., He, N., Heba, S., Hoggard, N., Hsu, T. W., Jansen, J. F. A., Kangarlu, A., Lange, T., Lebel, R. M., Li, Y., Lin, C. E., Liou, J. K., Lirng, J. F., Liu, F., Long, J. R., Ma, R., Maes, C., Moreno-Ortega, M., Murray, S. O., Noah, S., Noeske, R., **Noseworthy, M. D.**, Oeltzschner, G., Porges, E. C., Prisciandaro, J. J., Puts, N. A. J., Roberts, T. P. L., Sack, M., Sailasuta, N., Saleh, M. G., Schallmo, M. P., Simard, N., Stoffers, D., Swinnen, S. P., Tegenthoff, M., Truong, P., Wang, G., Wilkinson, I. D., Wittsack, H. J., Woods, A. J., Xu, H., Yan, F., Zhang, C., Zipunnikov, V., Zollner, H. J., Edden, R. A. E., & Barker, P. B. (2020). Comparison of Multivendor Single-Voxel MR Spectroscopy Data Acquired in Healthy Brain at 26 Sites. *Radiology*, 295(1), 171-180. <https://doi.org/10.1148/radiol.2020191037>

Quirt, J., Belza, C., **Pai, N.**, Clause, R. F., Markovic, F., Wong-Sterling, S., Avitzur, Y., & Wales, P. W. (2020). Reduction of Central Line-Associated Bloodstream Infections and Line Occlusions in Pediatric Intestinal Failure Patients Receiving Long-Term Parenteral Nutrition Using an Alternative Locking Solution, 4% Tetrasodium Ethylenediaminetetraacetic Acid. *JPEN J Parenter Enteral Nutr*. <https://doi.org/10.1002/jpen.1989>

Raez-Villanueva, S., Perono, G. A., Jamshed, L., Thomas, P. J., & **Holloway, A. C.** (2020). Effects of dibenzothiophene, a sulfur-containing heterocyclic aromatic hydrocarbon, and its alkylated congener, 2,4,7-trimethyldibenzothiophene, on placental trophoblast cell function. *J Appl Toxicol*. <https://doi.org/10.1002/jat.4128>

Ram, M., Berger, H., Lipworth, H., Geary, M., **McDonald, S. D.**, Murray-Davis, B., Riddell, C., Hasan, H., Barrett, J., Melamed, N., Net, D. O. H., & Investigators, S. (2020). The relationship between maternal body mass index and pregnancy outcomes in twin compared with singleton pregnancies. *Int J Obes (Lond)*, 44(1), 33-44. <https://doi.org/10.1038/s41366-019-0362-8>

Ram, M., Berger, H., Lipworth, H., Geary, M., **McDonald, S. D.**, Murray-Davis, B., Riddell, C., Hasan, H., Barrett, J., Melamed, N., Net, D. O. H., & Investigators, S. (2020). The relationship between maternal body mass index and pregnancy outcomes in twin compared with singleton pregnancies. *Int J Obes (Lond)*, 44(1), 33-44. <https://doi.org/10.1038/s41366-019-0362-8>

Rannikmae, K., Henshall, D. E., Thrippleton, S., Ginj Kong, Q., Chong, M., Grami, N., Kuan, I., Wilkinson, T., Wilson, B., Wilson, K., **Pare, G.**, & Sudlow, C. (2020). Beyond the Brain: Systematic Review of Extracerebral Phenotypes Associated With Monogenic Cerebral Small Vessel Disease. *Stroke*, 51(10), 3007-3017. <https://doi.org/10.1161/STROKEAHA.120.029517>

Razak, A., Patel, W., Durrani, N., **McDonald, S. D.**, Vanniyasingam, T., Thabane, L., Shah, P. S., & Mukerji, A. (2020). Neonatal respiratory outcomes in pregnancy induced hypertension: introducing a novel index. *J Matern Fetal Neonatal Med*, 33(4), 625-632. <https://doi.org/10.1080/14767058.2018.1498836>

Reitsma, A., Simioni, J., Brunton, G., Kaufman, K., & **Hutton, E. K.** (2020). Maternal outcomes and birth interventions among women who begin labour intending to give birth at home compared to women of low obstetrical risk who intend to give birth in hospital: A systematic review and meta-analyses. *EClinicalMedicine*, 21, 100319. <https://doi.org/10.1016/j.eclinm.2020.100319>

- Robinson, C., **Chanchlani, R.**, & Kitchlu, A. (2020). Malignancies after pediatric solid organ transplantation. *Pediatr Nephrol*. <https://doi.org/10.1007/s00467-020-04790-2>
- Robinson, C., Ruhl, M., Kirpalani, A., Alabbas, A., Noone, D., Teoh, C. W., Langlois, V., Phan, V., Lemaire, M., & **Chanchlani, R.** (2020). Management of Canadian Pediatric Patients With Glomerular Diseases During the COVID-19 Pandemic: Recommendations From the Canadian Association of Pediatric Nephrologists COVID-19 Rapid Response Team. *Can J Kidney Health Dis*, 7, 2054358120970713. <https://doi.org/10.1177/2054358120970713>
- Robinson, T., Tarzi, C., Zhou, X. G., & **Bailey, K.** (2020). Screening for alcohol and substance use in pediatric trauma patients: A retrospective review. *J Pediatr Surg*, 55(5), 921-925. <https://doi.org/10.1016/j.jpedsurg.2020.01.042>
- Ruiter, K. I., Boshra, R., DeMatteo, C., **Noseworthy, M.**, & Connolly, J. F. (2020). Neurophysiological markers of cognitive deficits and recovery in concussed adolescents. *Brain Res*, 1746, 146998. <https://doi.org/10.1016/j.brainres.2020.146998>
- Saigal, S., **Morrison, K.**, & Schmidt, L. A. (2020). "Health, wealth and achievements of former very premature infants in adult life". *Semin Fetal Neonatal Med*, 25(3), 101107. <https://doi.org/10.1016/j.siny.2020.101107>
- Sandhu, J., De Rubeis, V., Cotterchio, M., Smith, B. T., Griffith, L. E., Brenner, D. R., Borgida, A., Gallinger, S., Cleary, S., & **Anderson, L. N.** (2020). Trajectories of physical activity, from young adulthood to older adulthood, and pancreatic cancer risk; a population-based case-control study in Ontario, Canada. *BMC Cancer*, 20(1). <https://doi.org/10.1186/s12885-020-6627-8>
- Sandhu, R., Mbuagbaw, L., **Tarride, J. E.**, De Rubeis, V., Carsley, S., & **Anderson, L. N.** (2020). Methodological approaches to the design and analysis of nonrandomized intervention studies for the prevention of child and adolescent obesity. *Can J Public Health*, 111(3), 358-370. <https://doi.org/10.17269/s41997-020-00358-7>
- Saner, N. J., Lee, M. J., Pitchford, N. W., Kuang, J., Roach, G. D., Garnham, A., Stokes, T., **Phillips, S. M.**, Bishop, D. J., & Bartlett, J. D. (2020). The effect of sleep restriction, with or without high-intensity interval exercise, on myofibrillar protein synthesis in healthy young men. *The Journal of Physiology*, 598(8), 1523–1536. <https://doi.org/10.1113/jp278828>
- Sanger, N., Bhatt, M., Singhal, N., Panesar, B., D'Elia, A., Trottier, M., Shahid, H., Hillmer, A., Baptist-Mohseni, N., Roczyki, V., Soni, D., Brush, M., Lovell, E., Sanger, S., **Samaan, M. C.**, **de Souza, R. J.**, Thabane, L., & Samaan, Z. (2020). Treatment Outcomes in Patients With Opioid Use Disorder Who Were First Introduced to Opioids by Prescription: A Systematic Review and Meta-Analysis. *Front Psychiatry*, 11, 812. <https://doi.org/10.3389/fpsy.2020.00812>
- Santos-Díaz, A., & **Noseworthy, M. D.** (2020). Phosphorus magnetic resonance spectroscopy and imaging (31P-MRS/MRSI) as a window to brain and muscle metabolism: A review of the methods. *Biomedical Signal Processing and Control*, 60, 101967. <https://doi.org/10.1016/j.bspc.2020.101967>
- Saoi, M., Kennedy, K. M., Gohir, W., **Sloboda, D. M.**, & Britz-McKibbin, P. (2020). Placental Metabolomics for Assessment of Sex-specific Differences in Fetal Development During Normal Gestation. *Sci Rep*, 10(1), 9399. <https://doi.org/10.1038/s41598-020-66222-3>
- Scheitz, J. F., **Pare, G.**, Pearce, L. A., Mundl, H., Peacock, W. F., Czlonkowska, A., Sharma, M., Nolte, C. H., Shoamanesh, A., Berkowitz, S. D., Krahn, T., Endres, M., & Group, N.-E. B. W. (2020). High-Sensitivity Cardiac Troponin T for Risk Stratification in Patients With Embolic Stroke of Undetermined Source. *Stroke*, 51(8), 2386-2394. <https://doi.org/10.1161/STROKEAHA.120.029628>
- Schenck, L. P., McGrath, J. J. C., Lamarche, D., Stampfli, M. R., Bowdish, D. M. E., & **Surette, M. G.** (2020). Nasal Tissue Extraction Is Essential for Characterization of the Murine Upper Respiratory Tract Microbiota. *mSphere*, 5(6). <https://doi.org/10.1128/mSphere.00562-20>
- Schunkert, H., Pang, S., Li, L., & **Pare, G.** (2020). Tracing risk of multiple cardiovascular diseases to smoking-related genes. *Eur Heart J*, 41(35), 3311-3313. <https://doi.org/10.1093/eurheartj/ehaa285>
- Schweitzer, A. M., Gingrich, M. A., **Hawke, T. J.**, & Rebalka, I. A. (2020). The impact of statins on physical activity and exercise capacity: an overview of the evidence, mechanisms, and recommendations. *Eur J Appl Physiol*, 120(6), 1205-1225. <https://doi.org/10.1007/s00421-020-04360-2>
- Semnani-Azad, Z., Khan, T. A., Blanco Mejia, S., **de Souza, R. J.**, Leiter, L. A., Kendall, C. W. C., Hanley, A. J., & Sievenpiper, J. L. (2020). Association of Major Food Sources of Fructose-Containing Sugars With Incident Metabolic Syndrome: A Systematic Review and Meta-analysis. *JAMA Netw Open*, 3(7), e209993. <https://doi.org/10.1001/jamanetworkopen.2020.9993>

- Shah, B., Tombeau Cost, K., Fuller, A., Birken, C. S., & **Anderson, L. N.** (2020). Sex and gender differences in childhood obesity: contributing to the research agenda. *BMJ Nutrition, Prevention & Health*, 3(2), 387–390. <https://doi.org/10.1136/bmjnph-2020-000074>
- Shahi, J., Peng, J., Donovan, E., Vansantvoort, J., Wong, R., **Tsakiridis, T.**, Quan, K., Parpia, S., & Swaminath, A. (2020). Overall and chemotherapy-free survival following stereotactic body radiation therapy for abdominopelvic oligometastases. *J Med Imaging Radiat Oncol*, 64(4), 563-569. <https://doi.org/10.1111/1754-9485.13057>
- Sharma, A., Pagidipati, N. J., Califf, R. M., McGuire, D. K., Green, J. B., Demets, D., George, J. T., **Gerstein, H. C.**, Hobbs, T., Holman, R. R., Lawson, F. C., Leiter, L. A., Pfeffer, M. A., Reusch, J., Riesmeyer, J. S., Roe, M. T., Rosenberg, Y., Temple, R., Wiviott, S., McMurray, J., & Granger, C. (2020). Impact of Regulatory Guidance on Evaluating Cardiovascular Risk of New Glucose-Lowering Therapies to Treat Type 2 Diabetes Mellitus: Lessons Learned and Future Directions. *Circulation*, 141(10), 843-862. <https://doi.org/10.1161/CIRCULATIONAHA.119.041022>
- Sharma, B., Allison, D., Tucker, P., Mabbott, D., & **Timmons, B. W.** (2020). Cognitive and neural effects of exercise following traumatic brain injury: A systematic review of randomized and controlled clinical trials. *Brain Inj*, 34(2), 149-159. <https://doi.org/10.1080/02699052.2019.1683892>
- Sharma, B., Allison, D., Tucker, P., Mabbott, D., & **Timmons, B. W.** (2021). Exercise Trials in Pediatric Brain Tumor: A Systematic Review of Randomized Studies. *J Pediatr Hematol Oncol*, 43(2), 59-67. <https://doi.org/10.1097/MPH.0000000000001844>
- Sherifali, D.**, Brozic, A., Agema, P., Punthakee, Z., McInnes, N., O'Reilly, D., Usman Ali, R. M., Ibrahim, S., & **Gerstein, H. C.** (2020). Effect of Diabetes Health Coaching on Glycemic Control and Quality of Life in Adults Living With Type 2 Diabetes: A Community-Based, Randomized, Controlled Trial. *Can J Diabetes*. <https://doi.org/10.1016/j.cjcd.2020.11.012>
- Shin, S. H., Claggett, B., Pfeffer, M. A., Skali, H., Liu, J., Aguilar, D., Diaz, R., Dickstein, K., **Gerstein, H. C.**, Kober, L. V., Lawson, F. C., Lewis, E. F., Maggioni, A. P., McMurray, J. J. V., Probstfield, J. L., Riddle, M. C., Tardif, J. C., Solomon, S. D., & Investigators, E. (2020). Hyperglycaemia, ejection fraction and the risk of heart failure or cardiovascular death in patients with type 2 diabetes and a recent acute coronary syndrome. *Eur J Heart Fail*, 22(7), 1133-1143. <https://doi.org/10.1002/ehf.1790>
- Silva-Bermudez, L. S., Toloza, F. J. K., Perez-Matos, M. C., **de Souza, R. J.**, Banfield, L., Vargas-Villanueva, A., & Mendivil, C. O. (2020). Effects of oral contraceptives on metabolic parameters in adult premenopausal women: a meta-analysis. *Endocr Connect*, 9(10), 978-998. <https://doi.org/10.1530/EC-20-0423>
- Sims, E. D., Jennings, W. J., Empringham, B., Fleming, A., Portwine, C., Johnston, D. L., Zelcer, S. M., Rassekh, S. R., Burrow, S., Thabane, L., & **Samaan, M. C.** (2020). Circulating leptin levels are associated with adiposity in survivors of childhood brain tumors. *Sci Rep*, 10(1), 4711. <https://doi.org/10.1038/s41598-020-61520-2>
- Sjaarda, J., **Gerstein, H. C.**, Kutalik, Z., Mohammadi-Shemirani, P., **Pigeyre, M.**, Hess, S., & **Pare, G.** (2020). Influence of Genetic Ancestry on Human Serum Proteome. *Am J Hum Genet*, 106(3), 303-314. <https://doi.org/10.1016/j.ajhg.2020.01.016>
- Song, X., Tsakiridis, E., **Steinberg, G. R.**, & Pei, Y. (2020). Targeting AMP-activated protein kinase (AMPK) for treatment of autosomal dominant polycystic kidney disease. *Cell Signal*, 73, 109704. <https://doi.org/10.1016/j.cellsig.2020.109704>
- Springer, J. E., **Doumouras, A. G.**, Eskicioglu, C., & Hong, D. (2020). Regional Variation in the Utilization of Laparoscopy for the Treatment of Rectal Cancer: The Importance of Fellowship Training Sites. *Ann Surg Oncol*, 27(7), 2478-2486. <https://doi.org/10.1245/s10434-019-08115-y>
- Srinivasan, K. A., Virdee, S. K., & **McArthur, A. G.** (2020). Strandedness during cDNA synthesis, the stranded parameter in htseq-count and analysis of RNA-Seq data. *Brief Funct Genomics*, 19(5-6), 339-342. <https://doi.org/10.1093/bfgp/elaa010>
- Statler, J., Wilk, P., **Timmons, B. W.**, Colley, R., & Tucker, P. (2020). Habitual physical activity levels and sedentary time of children in different childcare arrangements from a nationally representative sample of Canadian preschoolers. *J Sport Health Sci*, 9(6), 657-663. <https://doi.org/10.1016/j.jshs.2019.03.009>
- Steffel, J., Eikelboom, J. W., **Anand, S. S.**, Shestakovska, O., Yusuf, S., & Fox, K. A. A. (2020). The COMPASS Trial: Net Clinical Benefit of Low-Dose Rivaroxaban Plus Aspirin as Compared With Aspirin in Patients With Chronic Vascular Disease. *Circulation*, 142(1), 40-48. <https://doi.org/10.1161/CIRCULATIONAHA.120.046048>

Stokes, T., Timmons, J. A., Crossland, H., Tripp, T. R., Murphy, K., McGlory, C., Mitchell, C. J., Oikawa, S. Y., Morton, R. W., Phillips, B. E., Baker, S. K., Atherton, P. J., Wahlestedt, C., & **Phillips, S. M.** (2020). Molecular Transducers of Human Skeletal Muscle Remodeling under Different Loading States. *Cell Reports*, 32(5), 107980. <https://doi.org/10.1016/j.celrep.2020.107980>

Stouth, D. W., vanLieshout, T. L., Ng, S. Y., Webb, E. K., Manta, A., Moll, Z., & **Ljubicic, V.** (2020). CARM1 Regulates AMPK Signaling in Skeletal Muscle. *iScience*, 23(11), 101755. <https://doi.org/10.1016/j.isci.2020.101755>

Strommer, S., Lawrence, W., Shaw, S., Correia Simao, S., Jenner, S., Barrett, M., Vogel, C., Hardy-Johnson, P., Farrell, D., Woods-Townsend, K., Baird, J., Morrison, L., **Sloboda, D. M.**, Inskip, H., & Barker, M. (2020). Behaviour change interventions: getting in touch with individual differences, values and emotions. *J Dev Orig Health Dis*, 11(6), 589-598. <https://doi.org/10.1017/S2040174420000604>

Surendran, P., Feofanova, E. V., Lahrouchi, N., Ntalla, I., Karthikeyan, S., Cook, J., Chen, L., Mifsud, B., Yao, C., Kraja, A. T., Cartwright, J. H., Hellwege, J. N., Giri, A., Tragante, V., Thorleifsson, G., Liu, D. J., Prins, B. P., Stewart, I. D., Cabrera, C. P., Eales, J. M., Akbarov, A., Auer, P. L., Bielak, L. F., Bis, J. C., Braithwaite, V. S., Brody, J. A., Daw, E. W., Warren, H. R., Drenos, F., Nielsen, S. F., Faul, J. D., Fauman, E. B., Fava, C., Ferreira, T., Foley, C. N., Franceschini, N., Gao, H., Giannakopoulou, O., Giulianini, F., Gudbjartsson, D. F., Guo, X., Harris, S. E., Havulinna, A. S., Helgadottir, A., Huffman, J. E., Hwang, S. J., Kanoni, S., Kontto, J., Larson, M. G., Li-Gao, R., Lindstrom, J., Lotta, L. A., Lu, Y., Luan, J., Mahajan, A., Malerba, G., Masca, N. G. D., Mei, H., Menni, C., Mook-Kanamori, D. O., Mosen-Ansorena, D., Muller-Nurasyid, M., **Pare, G.**, Paul, D. S., Perola, M., Poveda, A., Rauramaa, R., Richard, M., Richardson, T. G., Sepulveda, N., Sim, X., Smith, A. V., Smith, J. A., Staley, J. R., Stanakova, A., Sulem, P., Theriault, S., Thorsteinsdottir, U., Trompet, S., Varga, T. V., Velez Edwards, D. R., Veronesi, G., Weiss, S., Willems, S. M., Yao, J., Young, R., Yu, B., Zhang, W., Zhao, J. H., Zhao, W., Zhao, W., Evangelou, E., Aeschbacher, S., Asllanaj, E., Blankenberg, S., Bonnycastle, L. L., Bork-Jensen, J., Brandslund, I., Braund, P. S., Burgess, S., Cho, K., Christensen, C., Connell, J., Mutsert, R., Dominiczak, A. F., Dorr, M., Eiriksdottir, G., Farmaki, A. E., Gaziano, J. M., Grarup, N., Grove, M. L., Hallmans, G., Hansen, T., Have, C. T., Heiss, G., Jorgensen, M. E., Jousilahti, P., Kajantie, E., Kamat, M., Karajamaki, A., Karpe, F., Koistinen, H. A., Kovesdy, C. P., Kuulasmaa, K., Laatikainen, T., Lannfelt, L., Lee, I. T., Lee, W. J., LifeLines Cohort, S., Linneberg, A., Martin, L. W., Moitry, M., Nadkarni, G., Neville, M. J., Palmer, C. N. A., Papanicolaou, G. J., Pedersen, O., Peters, J., Poulter, N., Rasheed, A., Rasmussen, K. L., Rayner, N. W., Magi, R., Renstrom, F., Rettig, R., Rossouw, J., Schreiner, P. J., Sever, P. S., Sigurdsson, E. L., Skaaby, T., Sun, Y. V., Sundstrom, J., Thorgeirsson, G., Esko, T., Trabetti, E., Tso, P. S., Tuomi, T., Turner, S. T., Tzoulaki, I., Vaartjes, I., Vergnaud, A. C., Willer, C. J., Wilson, P. W. F., Witte, D. R., Yonova-Doing, E., Zhang, H., Aliya, N., Almgren, P., Amouyel, P., Asselbergs, F. W., Barnes, M. R., Blakemore, A. I., Boehnke, M., Bots, M. L., Bottinger, E. P., Buring, J. E., Chambers, J. C., Chen, Y. I., Chowdhury, R., Conen, D., Correa, A., Davey Smith, G., Boer, R. A., Deary, I. J., Dedoussis, G., Deloukas, P., Di Angelantonio, E., Elliott, P., Epic, C. V. D., InterAct, E., Felix, S. B., Ferrieres, J., Ford, I., Fornage, M., Franks, P. W., Franks, S., Frossard, P., Gambaro, G., Gaunt, T. R., Groop, L., Gudnason, V., Harris, T. B., Hayward, C., Hennig, B. J., Herzig, K. H., Ingelsson, E., Tuomilehto, J., Jarvelin, M. R., Jukema, J. W., Kardia, S. L. R., Kee, F., Kooner, J. S., Kooperberg, C., Launer, L. J., Lind, L., Loos, R. J. F., Majumder, A. A. S., Laakso, M., McCarthy, M. I., Melander, O., Mohlke, K. L., Murray, A. D., Nordestgaard, B. G., Orho-Melander, M., Packard, C. J., Padmanabhan, S., Palmas, W., Polasek, O., Porteous, D. J., Prentice, A. M., Province, M. A., Relton, C. L., Rice, K., Ridker, P. M., Rolandsson, O., Rosendaal, F. R., Rotter, J. I., Rudan, I., Salomaa, V., Samani, N. J., Sattar, N., Sheu, W. H., Smith, B. H., Soranzo, N., Spector, T. D., Starr, J. M., Sebert, S., Taylor, K. D., Lakka, T. A., Timpson, N. J., Tobin, M. D., Understanding Society Scientific, G., van der Harst, P., van der Meer, P., Ramachandran, V. S., Verweij, N., Virtamo, J., Volker, U., Weir, D. R., Zeggini, E., Charchar, F. J., Million Veteran, P., Wareham, N. J., Langenberg, C., Tomaszewski, M., Butterworth, A. S., Caulfield, M. J., Danesh, J., Edwards, T. L., Holm, H., Hung, A. M., Lindgren, C. M., Liu, C., Manning, A. K., Morris, A. P., Morrison, A. C., O'Donnell, C. J., Psaty, B. M., Saleheen, D., Stefansson, K., Boerwinkle, E., Chasman, D. I., Levy, D., Newton-Cheh, C., Munroe, P. B., & Howson, J. M. M. (2020). Discovery of rare variants associated with blood pressure regulation through meta-analysis of 1.3 million individuals. *Nat Genet*, 52(12), 1314-1332. <https://doi.org/10.1038/s41588-020-00713-x>

Svenningsen, S., McIntosh, M., Ouriadov, A., Matheson, A. M., Konyer, N. B., Eddy, R. L., McCormack, D. G., **Noseworthy, M. D.**, Nair, P., & Parraga, G. (2020). Reproducibility of Hyperpolarized (129)Xe MRI Ventilation Defect Percent in Severe Asthma to Evaluate Clinical Trial Feasibility. *Acad Radiol*. <https://doi.org/10.1016/j.acra.2020.04.025>

Sword, W., Green, C., Akhtar-Danesh, N., **McDonald, S. D.**, Kaminsky, K., Roberts, N., & Cook, J. (2020). Screening and Intervention Practices for Alcohol Use by Pregnant Women and Women of Childbearing Age: Results of a Canadian Survey. *J Obstet Gynaecol Can*, 42(9), 1121-1128. <https://doi.org/10.1016/j.jogc.2020.02.114>

- Szamosi, J. C., Forbes, J. D., Copeland, J. K., Knox, N. C., Shekarriz, S., Rossi, L., Graham, M., Bonner, C., Guttman, D. S., Van Domselaar, G., **Surette, M. G.**, & Bernstein, C. N. (2020). Assessment of Inter-Laboratory Variation in the Characterization and Analysis of the Mucosal Microbiota in Crohn's Disease and Ulcerative Colitis. *Front Microbiol*, 11, 2028. <https://doi.org/10.3389/fmicb.2020.02028>
- Tang, Y., Shah, H., Bueno Junior, C. R., Sun, X., Mitri, J., Sambataro, M., Sambado, L., **Gerstein, H. C.**, Fonseca, V., Doria, A., & Pop-Busui, R. (2020). Intensive Risk Factor Management and Cardiovascular Autonomic Neuropathy in Type 2 Diabetes: The ACCORD Trial. *Diabetes Care*, 44(1), 164–173. <https://doi.org/10.2337/dc20-1842>
- Tarnopolsky, M. A.**, Kerkhof, J., Stuart, A., Bujak, A., Nilsson, M. I., Hettinga, B., May, L., Rupar, C. A., & Sadikovic, B. (2020). Bone marrow-derived mitochondrial DNA has limited capacity for inter-tissue transfer in vivo. *FASEB J*, 34(7), 9297-9306. <https://doi.org/10.1096/fj.202000463R>
- Tarnopolsky, M.**, Kozenko, M., & Jones, K. (2020). Expanding the Phenotype: Neurodevelopmental Disorder, Mitochondrial, With Abnormal Movements and Lactic Acidosis, With or Without Seizures (NEMMLAS) Due to WARS2 Biallelic Variants, Encoding Mitochondrial Tryptophanyl-tRNA Synthase. *J Child Neurol*, 35(2), 176-177. <https://doi.org/10.1177/0883073819881259>
- Tarride, J. E.**, **Doumouras, A. G.**, Hong, D., Paterson, J. M., Tibebu, S., Perez, R., Ma, J., Taylor, V. H., Xie, F., Boudreau, V., Pullenayegum, E., Urbach, D. R., & Anvari, M. (2020). Association of Roux-en-Y Gastric Bypass With Postoperative Health Care Use and Expenditures in Canada. *JAMA Surg*, 155(9), e201985. <https://doi.org/10.1001/jamasurg.2020.1985>
- Theriault, S., Sjaarda, J., Chong, M., Hess, S., **Gerstein, H.**, & **Pare, G.** (2020). Identification of Circulating Proteins Associated With Blood Pressure Using Mendelian Randomization. *Circ Genom Precis Med*, 13(1), e002605. <https://doi.org/10.1161/CIRCGEN.119.002605>
- Thomas, A., Silver, S. A., Perl, J., Freeman, M., Slater, J. J., Nash, D. M., Vinegar, M., McArthur, E., Garg, A. X., Harel, Z., **Chanchlani, R.**, Zappitelli, M., Iliescu, E., Kitchlu, A., Blum, D., Beaubien-Souligny, W., & Wald, R. (2020). The Frequency of Routine Blood Sampling and Patient Outcomes Among Maintenance Hemodialysis Recipients. *Am J Kidney Dis*, 75(4), 471-479. <https://doi.org/10.1053/j.ajkd.2019.08.016>
- Thornton, C. S., & **Surette, M. G.** (2020). Potential Contributions of Anaerobes in Cystic Fibrosis Airways. *J Clin Microbiol*. <https://doi.org/10.1128/JCM.01813-19>
- Turna, J., Grosman Kaplan, K., Anglin, R., Patterson, B., Soreni, N., Bercik, P., **Surette, M. G.**, & Van Ameringen, M. (2020). The gut microbiome and inflammation in obsessive-compulsive disorder patients compared to age- and sex-matched controls: a pilot study. *Acta Psychiatr Scand*, 142(4), 337-347. <https://doi.org/10.1111/acps.13175>
- Turpin, W., Bedrani, L., Espin-Garcia, O., Xu, W., Silverberg, M. S., Smith, M. I., Garay, J. A. R., Lee, S. H., Guttman, D. S., Griffiths, A., Moayyedi, P., Panaccione, R., Huynh, H., Steinhart, H. A., Aumais, G., Dieleman, L. A., Turner, D., team, C. I. G. P. r., Paterson, A. D., & Croitoru, K. (2020). Associations of NOD2 polymorphisms with Erysipelotrichaceae in stool of in healthy first degree relatives of Crohn's disease subjects. *BMC Med Genet*, 21(1), 204. <https://doi.org/10.1186/s12881-020-01115-w>
- Turpin, W., Lee, S. H., Raygoza Garay, J. A., Madsen, K. L., Meddings, J. B., Bedrani, L., Power, N., Espin-Garcia, O., Xu, W., Smith, M. I., Griffiths, A. M., Moayyedi, P., Turner, D., Seidman, E. G., Steinhart, A. H., Marshall, J. K., Jacobson, K., Mack, D., Huynh, H., Bernstein, C. N., Paterson, A. D., Crohn's, Colitis Canada Genetic Environmental Microbial Project Research, C., Abreu, C. G. P. r. s. d. i. M., & Croitoru, K. (2020). Increased Intestinal Permeability Is Associated With Later Development of Crohn's Disease. *Gastroenterology*, 159(6), 2092-2100 e2095. <https://doi.org/10.1053/j.gastro.2020.08.005>
- Twig, G., Zucker, I., Afek, A., Cukierman-Yaffe, T., Bendor, C. D., Derazne, E., Lutski, M., Shohat, T., Mosenzon, O., Tzur, D., Pinhas-Hamiel, O., Tiosano, S., Raz, I., **Gerstein, H. C.**, & Tirosh, A. (2020). Adolescent Obesity and Early-Onset Type 2 Diabetes. *Diabetes Care*, 43(7), 1487-1495. <https://doi.org/10.2337/dc19-1988>
- Van Lieshout, R. J., Favotto, L., Ferro, M., Niccols, A., Saigal, S., **Morrison, K. M.**, & Schmidt, L. A. (2019). The children of preterm survivors: shyness, parenting, and parental stress. *J Dev Orig Health Dis*, 1-5. <https://doi.org/10.1017/S2040174419000692>
- Vanassche, T., Verhamme, P., **Anand, S. S.**, Shestakovska, O., Fox, K. A., Bhatt, D. L., Avezum, A., Alings, M., Aboyans, V., Maggioni, A. P., Widimsky, P., Berkowitz, S. D., Yusuf, S., Connolly, S. J., Eikelboom, J. W., & Bosch, J. (2020). Risk factors and clinical outcomes in chronic coronary and peripheral artery disease: An analysis of the randomized, double-blind COMPASS trial. *Eur J Prev Cardiol*, 27(3), 296-307. <https://doi.org/10.1177/2047487319882154>

- Vanderloo, L. M., Keown-Stoneman, C. D., Sivanesan, H., Parkin, P. C., Maguire, J. L., **Anderson, L. N.**, Tremblay, M. S., & Birken, C. S. (2020). Association of screen time and cardiometabolic risk in school-aged children. *Preventive Medicine Reports*, 20, 101183. <https://doi.org/10.1016/j.pmedr.2020.101183>
- Vanderloo, L. M., Maguire, J. L., Dai, D. W. H., Parkin, P. C., Borkhoff, C. M., Tremblay, M. S., **Anderson, L. N.**, Birken, C. S., & . (2020). Association of Physical Activity and Cardiometabolic Risk in Children 3–12 Years. *Journal of Physical Activity and Health*, 17(8), 800–806. <https://doi.org/10.1123/jpah.2020-0028>
- Vann, C. G., Sexton, C. L., Osburn, S. C., Smith, M. A., Fox, C. D., Ferguson, B. K., Ruple, B. A., Haun, C. T., Young, K. C., Beck, D. T., McDonald, J. R., **Phillips, S. M.**, & Roberts, M. D. (2020). Effects Of High-Load Versus High-Volume Resistance Training On Muscle Sarcoplasmic, Actin, And Myosin Protein Concentrations. *Medicine & Science in Sports & Exercise*, 52(7S), 828–829. <https://doi.org/10.1249/01.mss.0000684436.20159.cd>
- Vanstone, M., Sadik, M., Van Blyderveen, S., Biringer, A., Sword, W., Schmidt, L., & **McDonald, S. D.** (2020). Competing priorities: a qualitative study of how women make and enact decisions about weight gain in pregnancy. *BMC Pregnancy Childbirth*, 20(1), 507. <https://doi.org/10.1186/s12884-020-03210-5>
- Vazquez-Moreno, M., Perez-Herrera, A., Locia-Morales, D., Dizzel, S., **Meyre, D.**, **Stearns, J. C.**, & Cruz, M. (2020). Association of gut microbiome with fasting triglycerides, fasting insulin and obesity status in Mexican children. *Pediatr Obes*, e12748. <https://doi.org/10.1111/ijpo.12748>
- Venegas, C., Svenningsen, S., Kjarsgaard, M., **Tarnopolsky, M.**, Anderson, K., Levesque, S., Raby, B. A., Parraga, G., Cox, G., & Nair, P. (2020). Lessons of the month: A breathless severe asthmatic in the genomic era: Occam's razor or Hickam's dictum? *Clin Med (Lond)*, 20(6), e264-e266. <https://doi.org/10.7861/clinmed.2020-0661>
- Verma, S., **Chanchlani, R.**, Siu, V. M., & Filler, G. (2020). Transient hyponatremia of prematurity caused by mild Bartter syndrome type II: a case report. *BMC Pediatr*, 20(1), 311. <https://doi.org/10.1186/s12887-020-02214-6>
- Wahi, G., Wilson, J., Oster, R., Rain, P., Jack, S. M., Gittelsohn, J., Kandasamy, S., **de Souza, R. J.**, Martin, C. L., Toth, E., & **Anand, S. S.** (2020). Strategies for Promoting Healthy Nutrition and Physical Activity Among Young Children: Priorities of Two Indigenous Communities in Canada. *Curr Dev Nutr*, 4(1), nzz137. <https://doi.org/10.1093/cdn/nzz137>
- Walker, O. S., Ragos, R., Gurm, H., Lapierre, M., May, L. L., & **Raha, S.** (2020). Delta-9-tetrahydrocannabinol disrupts mitochondrial function and attenuates syncytialization in human placental BeWo cells. *Physiol Rep*, 8(13), e14476. <https://doi.org/10.14814/phy2.14476>
- Walker, O. S., Ragos, R., Wong, M. K., Adam, M., Cheung, A., & **Raha, S.** (2020). Reactive oxygen species from mitochondria impacts trophoblast fusion and the production of endocrine hormones by syncytiotrophoblasts. *PLoS One*, 15(2), e0229332. <https://doi.org/10.1371/journal.pone.0229332>
- Walli-Attai, M., Joseph, P., Rosengren, A., Chow, C. K., Rangarajan, S., Lear, S. A., AlHabib, K. F., Davletov, K., Dans, A., Lanas, F., Yeates, K., Poirier, P., Teo, K. K., Bahonar, A., Camilo, F., Chifamba, J., Diaz, R., Didkowska, J. A., Irazola, V., **Anand, S. S.**, Yusuf, S. (2020). Variations between women and men in risk factors, treatments, cardiovascular disease incidence, and death in 27 high-income, middle-income, and low-income countries (PURE): a prospective cohort study. *The Lancet*, 396(10244), 97–109. [https://doi.org/10.1016/s0140-6736\(20\)30543-2](https://doi.org/10.1016/s0140-6736(20)30543-2)
- Wang, K. W., Ladhani, S., Empringham, B., Portwine, C., Fleming, A., Banfield, L., Balakumaran, J., Sarpong, L., Sims, E. D., Popa, A. N., Thabane, L., & **Samaan, M. C.** (2020). Bariatric interventions in obesity treatment and prevention in pediatric acute lymphoblastic leukemia: a systematic review and meta-analysis. *Cancer Metastasis Rev*, 39(1), 79-90. <https://doi.org/10.1007/s10555-020-09849-y>
- Whelan, F. J., Waddell, B., Syed, S. A., Shekarriz, S., Rabin, H. R., Parkins, M. D., & **Surette, M. G.** (2020). Culture-enriched metagenomic sequencing enables in-depth profiling of the cystic fibrosis lung microbiota. *Nat Microbiol*, 5(2), 379-390. <https://doi.org/10.1038/s41564-019-0643-y>
- Whiteley, W. N., **Anand, S.**, Bangdiwala, S. I., Bosch, J., Canavan, M., Chertkow, H., **Gerstein, H. C.**, Gorelick, P., O'Donnell, M., **Pare, G.**, **Pigeyre, M.**, Seshadri, S., Sharma, M., Smith, E. E., Williamson, J., Cukierman-Yaffe, T., Hart, R. G., & Yusuf, S. (2020). Are large simple trials for dementia prevention possible? *Age Ageing*, 49(2), 154-160. <https://doi.org/10.1093/ageing/afz152>

- Wijkman, M. O., Claggett, B., Diaz, R., **Gerstein, H. C.**, Kober, L., Lewis, E., Maggioni, A. P., Wolsk, E., Aguilar, D., Bentley-Lewis, R., McMurray, J. J., Probstfield, J., Riddle, M., Tardif, J. C., Solomon, S. D., & Pfeffer, M. A. (2020). Blood pressure and mortality in patients with type 2 diabetes and a recent coronary event in the ELIXA trial. *Cardiovasc Diabetol*, *19*(1), 175. <https://doi.org/10.1186/s12933-020-01150-0>
- Willeit, P., Tschiderer, L., Allara, E., Reuber, K., Seekircher, L., Gao, L., Liao, X., Lonn, E., **Gerstein, H. C.**, Yusuf, S., Brouwers, F. P., Asselbergs, F. W., van Gilst, W., Anderssen, S. A., Grobbee, D. E., Kastelein, J. J. P., Visseren, F. L. J., Ntaios, G., Hatzitolios, A. I., Savopoulos, C., Nieuwkerk, P. T., Stroes, E., Walters, M., Higgins, P., Dawson, J., Gesele, P., Guglielmini, G., Migliacci, R., Ezhov, M., Safarova, M., Balakhonova, T., Sato, E., Amaha, M., Nakamura, T., Kapellas, K., Jamieson, L. M., Skilton, M., Blumenthal, J. A., Hinderliter, A., Sherwood, A., Smith, P. J., van Agtmael, M. A., Reiss, P., van Vonderen, M. G. A., Kiechl, S., Klingenschmid, G., Sitzer, M., Stehouwer, C. D. A., Uthoff, H., Zou, Z. Y., Cunha, A. R., Neves, M. F., Witham, M. D., Park, H. W., Lee, M. S., Bae, J. H., Bernal, E., Wachtell, K., Kjeldsen, S. E., Olsen, M. H., Preiss, D., Sattar, N., Beishuizen, E., Huisman, M. V., Espeland, M. A., Schmidt, C., Agewall, S., Ok, E., Asci, G., de Groot, E., Grooteman, M. P. C., Blankestijn, P. J., Bots, M. L., Sweeting, M. J., Thompson, S. G., Lorenz, M. W., Prog, I. M. T., & the Proof, A. S. G. (2020). Carotid Intima-Media Thickness Progression as Surrogate Marker for Cardiovascular Risk: Meta-Analysis of 119 Clinical Trials Involving 100 667 Patients. *Circulation*, *142*(7), 621-642. <https://doi.org/10.1161/CIRCULATIONAHA.120.046361>
- Wong, M. K., Li, E. W., Adam, M., Selvaganapathy, P. R., & **Raha, S.** (2020). Establishment of an in vitro placental barrier model cultured under physiologically relevant oxygen levels. *Mol Hum Reprod*, *26*(5), 353-365. <https://doi.org/10.1093/molehr/gaaa018>
- Workenhe, S. T., Nguyen, A., Bakhshinyan, D., Wei, J., Hare, D. N., MacNeill, K. L., Wan, Y., Oberst, A., Bramson, J. L., Nasir, J. A., Vito, A., El-Sayes, N., Singh, S. K., **McArthur, A. G.**, & Mossman, K. L. (2020). De novo necroptosis creates an inflammatory environment mediating tumor susceptibility to immune checkpoint inhibitors. *Commun Biol*, *3*(1), 645. <https://doi.org/10.1038/s42003-020-01362-w>
- Yabut, J. M., Desjardins, E. M., Chan, E. J., Day, E. A., Leroux, J. M., Wang, B., Crane, E. D., Wong, W., **Morrison, K. M.**, Crane, J. D., Khan, W. I., & **Steinberg, G. R.** (2020). Genetic deletion of mast cell serotonin synthesis prevents the development of obesity and insulin resistance. *Nat Commun*, *11*(1), 463. <https://doi.org/10.1038/s41467-019-14080-7>
- Yap, Z. Y., Strucinska, K., Matsuzaki, S., Lee, S., Si, Y., Humphries, K., **Tarnopolsky, M. A.**, & Yoon, W. H. (2020). A biallelic pathogenic variant in the OGDH gene results in a neurological disorder with features of a mitochondrial disease. *J Inherit Metab Dis*. <https://doi.org/10.1002/jimd.12248>
- Yousuf, E. I., Carvalho, M., Dizzell, S. E., Kim, S., Gunn, E., Twiss, J., Giglia, L., Stuart, C., **Hutton, E. K.**, **Morrison, K. M.**, & **Stearns, J. C.** (2020). Persistence of Suspected Probiotic Organisms in Preterm Infant Gut Microbiota Weeks After Probiotic Supplementation in the NICU. *Front Microbiol*, *11*, 574137. <https://doi.org/10.3389/fmicb.2020.574137>
- Yuan, Y., Ali, M. K., Mathewson, K. J., Sharma, K., Faiyaz, M., Tan, W., Parsons, S. P., Zhang, K. K., Milkova, N., Liu, L., **Ratcliffe, E.**, Armstrong, D., Schmidt, L. A., Chen, J. H., & Huizinga, J. D. (2019). Associations Between Colonic Motor Patterns and Autonomic Nervous System Activity Assessed by High-Resolution Manometry and Concurrent Heart Rate Variability. *Front Neurosci*, *13*, 1447. <https://doi.org/10.3389/fnins.2019.01447>
- Zorko, D. J., **Samaan, M. C.**, & Gupta, R. (2020). Vomiting and Cardiac Arrest in a 10-Year-Old Girl. *Pediatr Emerg Care*. <https://doi.org/10.1097/PEC.0000000000001957>
- Zukotynski, K., Gaudet, V., Kuo, P. H., Adamo, S., Goubran, M., Scott, C. J. M., Bocti, C., Borrie, M., Chertkow, H., Frayne, R., Hsiung, R., Laforce, R., Jr., **Noseworthy, M. D.**, Prato, F. S., Sahlas, D. J., Smith, E. E., Sossi, V., Thiel, A., Soucy, J. P., Tardif, J. C., & Black, S. E. (2020). The Use of Random Forests to Identify Brain Regions on Amyloid and FDG PET Associated With MoCA Score. *Clin Nucl Med*, *45*(6), 427-433. <https://doi.org/10.1097/RLU.0000000000003043>
- Zulyniak, M. A., **de Souza, R. J.**, Shaikh, M., Ramasundarahettige, C., Tam, K., Williams, N., Desai, D., Lefebvre, D. L., Gupta, M., Subbarao, P., Becker, A. B., Mandhane, P. J., Turvey, S. E., Moraes, T., Azad, M. B., Teo, K. K., Sears, M. R., **Anand, S. S.**, & NutriGen Alliance, i. (2020). Ethnic differences in maternal diet in pregnancy and infant eczema. *PLoS One*, *15*(5), e0232170. <https://doi.org/10.1371/journal.pone.0232170>