

RESEARCH AND SCHOLARSHIP COMMITTEE MEETING

November 16, 2021

VIRTUAL

IN ATTENDANCE:

Michael Quinn	CHAIR, Vice-Provost and AVP, Academic
Kenna Olsen	VICE-CHAIR, GFC Academic Staff Member
Francine May	Designate for Dean, University Library
Melissa Deane	Director, Office of Research, Scholarship and Community Engagement
Lynne Lafave	Chair, Human Research Ethics Board
Michael Roberts	Associate Dean responsible for research
Ranjan Datta	Academic Staff Member (Arts)
Uthpala Tennakoon	Academic Staff Member (Business and Communication Studies)
Carolyn Willekes	Academic Staff Member (Teaching & Learning)
Madelaine Vanderwerff	Academic Staff Member (University Library)
Angela Galeos	Student Representative

Resources

Liza Choi	Associate Dean responsible for research
Danah Duke	Institute/Centre Director
Connie Van der Byl	Institute/Centre Director
Marta Mankiewicz	Finance designate
Julia Thiessen	Marketing and Communications designate
Sheena Jensen	RECORDING SECRETARY, Assistant University Secretary, GFC

Guests

Cari Merkley	Librarian, University Library
--------------	-------------------------------

NOT IN ATTENDANCE:

Trevor Day	Academic Staff Member (Science and Technology)
David Legg	Academic Staff Member (Health, Community and Education)
Nabeel Muhammad	Student Representative
James Stauch	Institute/Centre Director

M. Quinn, Chair, called the meeting to order at 3:01pm and confirmed quorum.

APPROVAL OF AGENDA

Motion moved and seconded:

THAT the Agenda for the November 16, 2021 Research and Scholarship Committee meeting be approved.

Motion carried.

APPROVAL OF MEETING MINUTES

Motion moved and seconded:

THAT the Minutes of the October 12, 2021 Research and Scholarship Committee meeting be approved.

Motion carried.

Business Arising from the Minutes

There was no business arising from the minutes.

WORKING GROUP UPDATES

International Research

The working group met and is planning next steps for the International Research document.

Research Policies

M. Quinn provided a status update on the Integrity in Research and Scholarship policy and Institutes policy reviews. The working group will be engaged in working on the draft of the Integrity in Research and Scholarship policy, with the support of the new Policy Advisor and the Legal department.

Research and Scholarship Days

The working group has met and requested representation from Arts and Health, Community and Education to join the group. April 4 – 8, 2022 are being held as the dates for the hybrid-style event, which were chosen in consideration of the student's academic schedules. RSC will be engaged for more input with planning the event.

Research and Scholarship Recognition Awards

The working group has begun their planning and drafted a timeline for key deliverables. A request was made for more people to join this working group.

Undergraduate Research and Scholarship

The working group met to identify potential activities for this year and requested feedback from RSC on what their focus should be. Members may also send suggestions to Cari Merkle.

COMMITTEE CHAIR REPORT

M. Quinn provided a written Chair's Report (attached) and highlighted areas of the report at the meeting, with updated details about grant application submissions that was provided by Melissa Deane, and responded to a question about research data management updates.

ITEMS FOR INFORMATION

The following items were received for information:

- RSC Annual Plan 2021-22
- Good News Stories (attached)

The annual plan will go forward to GFC at the November meeting.

An additional Good News Story was shared that the one time funding proposal for an undergraduate research and analytics collaboration space in the Bissett School of Business was approved. Kenna Olsen was also announced as the new Associate Dean of Research in the Faculty of Arts commencing January 1.

NEW BUSINESS

There was no new business.

ADJOURNMENT

3:41 PM

ATTACHMENT: RSC Chair's Report – November 16, 2021

- ORSCE had a very active grant application season this fall with the submission of 1 CFI, 1 CIHR Project Grant, 2 NFRF Exploration Grants, 1 NFRF Rapid Response Grant, 4 NSERC Discovery Grants, 1 NSERC PromoScience Grant, 2 NSERC RTI Grants, 5 SSHRC Insight Grants, 1 SSHRC Partnership Engage Grant and 2 SSHRC/TAPP Grants. This represents a tremendous amount of work by MRU faculty members and the support of ORSCE. We anticipate another pulse of TriAgency applications early in the winter semester.
- Renovation work will begin shortly to provide the lab changes in support of two CFI Awards in the Faculty of Science and Technology. A third CFI project in the Faculty of Business and Communication Studies is underway. An application from the Faculty of Arts was submitted this fall and a larger application is being prepared for submission in winter 2022.
- Searches are underway for two Canada Research Chairs (Tier 2), one in Indigenous Studies and the other in Global Value Chain.

Tri-Agency Webinars and Resources**SSHRC Connection Grants**

English: November 16 @ 11am - 1pm ET

<https://sshrcvideo.webex.com/sshrcvideo/onstage/g.php?MTID=e74e73e05ff08fde5621278f105bc139a> (password: SSHRC2021)

French: November 18 @ 11am - 1pm ET

<https://sshrcvideo.webex.com/sshrcvideo/onstage/g.php?MTID=e439d79a8dcb2d038fdad2a13bb3fa981> (password: SSHRC2021)**SSHRC Insight Development Grants**

English: December 16 @ 130pm - 3pm ET

<https://sshrcvideo.webex.com/sshrcvideo/j.php?MTID=m41cf2b5baeaac5f1113925453d054dd1>

French: December 16 @ 10am - 1130m ET

<https://sshrcvideo.webex.com/sshrcvideo/j.php?MTID=m32ac5ca540f58cadd1f81f5561c522b9>**New Frontiers in Research Fund (NFRF) Webinars**

2022 Transformation NOI (NOI is due Nov 2, see below):

English Recording: <https://youtu.be/1I7TcaEkX1Q>French Recording: <https://youtu.be/3WJE3oQDhyA>**Equity, Diversity and Inclusion (EDI)**English Recording: <https://youtu.be/VsERx7SIW5g>French Recording: <https://youtu.be/9KQdRh0Hfxs>

Mokakiiks Centre for Scholarship of Teaching and Learning Grants

The [Mokakiiks Centre for Scholarship of Teaching and Learning](#) is now accepting applications via ROME0 for four 2021 funding opportunities:

- 2021 Essential Scholarship of Teaching and Learning Grants
- 2021 Mokakiiks SoTL Collaborate Grant
- 2021 Marshall Family Foundation SoTL Literacy Grant
- 2021 Mokakiiks Undergraduate SoTL Dissemination Grant

Please see our [grant website](#) for more information. For more information, please contact Collette Lemieux (clemieux@mtroyal.ca). Application Deadline: November 30, 2021.

Introductory Course on Knowledge Synthesis for Knowledge Users

The [introductory course on knowledge synthesis for knowledge users](#) is an online course offered once a year through the Dalla Lana School of Public Health at the University of Toronto and the Knowledge Translation Program of St. Michael's Hospital. This course is co-taught by Dr. Sharon Straus (MD), and Dr. Andrea Tricco (PhD). The overall course objective is to teach about knowledge synthesis in general, as well as how to go about conducting a knowledge synthesis. It is recommended that students conduct a knowledge synthesis while taking this course, as the information provided will help guide the knowledge synthesis process. Topics include:

- How to formulate a review question
- How to develop a review protocol
- How to abstract data
- How to appraise the quality of studies
- How to perform a meta-analysis

Requirement: you are conducting, or planning to conduct, a knowledge synthesis while taking this course.

Dates: January 3 – April 1 2022

Location: online

Cost: \$1800 CAD

Undergraduate summer research opportunity in Germany

Applications close December 15, 2021

Mitacs and the German Academic Exchange Service (DAAD) have partnered to offer the [RISE-Globalink Research Internship \(RISE-GRI\)](#), which offers undergraduate students at Canadian universities the opportunity to undertake summer research internships at eligible German institutions.

RISE-GRI pairs Canadian undergraduate students with three-month projects supervised by PhD students in Germany. Mitacs provides \$6,000 to support the student's travel costs and living expenses.

Funding Opportunities

All external research grant applications needed to be reviewed by ORSCE through the submission of a Research Activity Form in ROMEO. Submit a Research Activity Form in ROMEO at least ONE WEEK prior to the funding agency's deadline. Deadlines cited here are for the ORSCE internal deadlines.

For a more comprehensive list of funding opportunities, visit the MRU Research webpage here and review the funding opportunities table at the bottom of the page.

January 24: SSHRC Storyteller Challenge

[SSHRC's Storytellers Challenge](#) asks postsecondary students to show Canadians, in up to three minutes or 300 words, how social sciences and humanities research is affecting our lives, our world and our future for the better. Speak about a great SSHRC-funded project happening at your postsecondary institution. Your story must be compelling, creative and clear. Submit original work featuring SSHRC-funded research carried out at the institution at which you are enrolled at the time of submission.

Check out the webpage for more information and to enter:

https://www.sshrc-crsh.gc.ca/society-societe/storytellers-jai_une_histoire_a_raconter/index-eng.aspx

Rolling intake: MRU Open Access Fund

The MRU Library currently offers an [open access fund](#) to support scholarly publishing by MRU authors. This new initiative aims to support our authors in the open dissemination of their research by reimbursing eligible open access fees related to publishing their research. Please note: this fund does not apply to hybrid journals.

Amount: up to \$3000 per individual Contact: visit the link above for questions and to apply

November 23: NSERC Alliance Mission Grants

NSERC will provide opportunities for the research community to address challenges that have emerged as a result of the pandemic as well as to take advantage of new opportunities. [Alliance Missions grants](#) will help (1) accelerate the translation of Canada's world-class research results into economic opportunities, and/or (2) inform policy that could have an impact on Canada's economy. Grant support at 100% of eligible costs is available to jump-start research projects that would normally require a cash contribution from a partner organization. While partner organizations do not need to provide cash contributions to participate, they must be meaningfully engaged throughout the research process, from project design to adoption of the research results.

Amount / Duration: \$100,000 to \$500,000; up to 2 years

Contact: 613-995-1111; alliance@nserc-crsng.gc.ca

December 8: SSHRC Partnership Engage Grants

[Partnership Engage Grants](#) are expected to respond to the objectives of the Insight program and the Connection program. These grants provide short-term and timely support for partnered research activities that will inform decision-making at a single partner organization from the public, private or not-for-profit sector. The small-scale, stakeholder-driven partnerships supported through Partnership Engage Grants are meant to respond to immediate needs and time constraints facing organizations in non-academic sectors. In addressing an organization-specific need, challenge and/or opportunity, these partnerships let non-academic organizations and postsecondary researchers access each other's unique knowledge, expertise and capabilities on topics of mutual interest.

Amount / Duration: \$25,000; up to 1 year

Contact: 1-613-943-1007; partnershipengagegrants@sshrc-crsh.gc.ca

December 10: SSHRC Knowledge Synthesis - Emerging Asoial Society - NEW!

Before the emergence of COVID-19, a number of observers were raising the alarm over a different public health crisis, one characterized by reports of higher levels of social isolation and loneliness, as well as increased rates of mental illnesses and antisocial behaviours. Dubbed the "loneliness epidemic," the crisis has been attributed to a number of recent features of modern life, such as urbanization and the rise of one-person households. SSHRC is launching a [Knowledge Synthesis Grants](#) funding opportunity to foster a deeper understanding of the state of knowledge regarding the growing sense of disconnection, isolation and loneliness in Canadian society. The resulting syntheses will identify roles that the academic, public, private and not-for-profit sectors can play in promoting more connected and resilient communities, and inform the development of effective tools, robust policies and sustainable practices required to support the transition to a more equitable, healthy and prosperous future.

Amount / Duration: \$30,000; 1 year

Contact: KSG-SSC@sshrc-crsh.gc.ca

January 10: AHS Emergency Strategic Clinical Network Summer Studentship Awards

This [Summer Studentship Award competition](#) will serve to build research capacity within various domains of emergency medicine (e.g., medicine, nursing, pediatric emergency medicine, health services delivery, social determinants of health, disaster planning, allied health professionals). Through the results of the proposed research projects conducted by the students, this competition will advance priorities of relevance to the ESCN mandate including those related to the ESCN Transformational Roadmap or emerging from the COVID-19 pandemic. This initiative will also improve the quality of emergency medicine care delivery within the Health Quality Council of Alberta's six domains of quality: appropriateness, accessibility, effectiveness, efficiency, safety, and acceptability. The ESCN Studentship Award is further intended to support equity, diversity and inclusion (EDI) in research by supporting consideration of EDI in all research projects, and supporting high quality research on EDI.

Amount / Duration: \$6,000; 4 months. Contact: Patrick McLane, PhD, Assistant Scientific Director (780 293 5057)

January 18: AHS Systematic and Scoping Review Grant

This [competition](#) will encourage the development of implementable and scalable ideas that will improve the quality of emergency medicine care delivery within the Health Quality Council of Alberta's six domains of quality: appropriateness, accessibility, effectiveness, efficiency, safety, and acceptability. This competition will advance the ESCN Scientific Office's long-term research goals, which are aligned with the Canadian Academy of Health Sciences' performance indicators: (1) advancing knowledge; (2) capacity building; (3) informing decision making; (4) health impacts; and (5) broad economic and social impacts. Alignment with ESCN priority areas is also a review criteria. This competition will advance priorities of relevance to the ESCN mandate including those related to the ESCN Transformational Roadmap or emerging from the COVID-19 pandemic. In addition, the degree to which proposed projects promote Equity, Diversity and Inclusion will be considered in evaluation of all research project applications.

Amount / Duration: \$15,000; 1 year

Contact: Patrick McLane, PhD, Assistant Scientific Director (780 293 5057)

January 25: SSHRC Connection Grants

These grants provide support for workshops, colloquiums, conferences, forums, summer institutes, or other events or outreach activities geared toward short-term, targeted knowledge mobilization initiatives. These events and activities represent opportunities to exchange knowledge and to engage on research issues of value to those participating. Events and outreach activities funded by a [Connection Grant](#) may often serve as a first step toward more comprehensive and longer-term projects.

Amount / Duration: \$7,000 - \$25,000 (events); \$7,000 - \$50,000 (outreach); up to 1 year

Contact: 1-613-943-1007; connection@sshrc-crsh.gc.ca

January 25: SSHRC Connection Grants: Research Data Management Capacity Building Initiative

As part of the Connection Grants funding opportunity, SSHRC will fund at least 10 meritorious proposals per competition to help the Canadian social sciences and humanities research community strengthen its capacity for data management. To apply under this initiative, applicants must submit their proposals to the November 2021, February 2022, May 2022 or August 2022 Connection Grants competition. This [Research Data Management Capacity Building Initiative](#) offers the research community (e.g., disciplinary and professional associations; institutions; and individual researchers) Connection Grants to support the development, adoption and dissemination of research data management standards, practices, tools and skills appropriate to their field. Applications to this initiative will be subject to the same evaluation criteria and scoring scheme common to all other Connection Grants. However, applicants must demonstrate how their project addresses the initiative's specific goals (see the initiative's full description).

Amount / Duration: \$7,000 - \$25,000 (events); \$7,000 - \$50,000 (outreach); up to 1 year

Contact: 1-613-943-1007; connection@sshrc-crsh.gc.ca

January 26: SSHRC Insight Development Grants

[Insight Development Grants \(IDG\)](#) support research in its initial stages. The grants enable the development of new research questions, as well as experimentation with new methods, theoretical approaches and/or ideas. Proposed projects can involve, but are not limited to, case studies, pilot initiatives, or critical analyses of existing research. Funding is available for two distinct categories of scholars: Emerging scholars who will develop new research questions and/or approaches; Established scholars who will explore new research questions and/or approaches that are distinct from the applicant's previous/ongoing research.

Amount / Duration: \$7,000 - \$75,000

Contact: 1-613-943-1007; connection@sshrc-crsh.gc.ca

ATTACHMENT: Good News Stories

- **Manarin, K.** (2022). Reading Across the Disciplines: An Introduction. In: Manarin, K. (ed) *Reading Across the Disciplines*. Indiana University Press. Bloomington, Indiana.
- Bos, L., Slawinski, M.A., **Slawinski, R.** & Stanoev, T. (2021). Modelling of cyclist's power to overcome dissipative forces on a velodrome. arXiv:2110.15195
- **Choi, L. L. S.**, Jung, P., Harder, M., & **Zhang, K.** (2021). What Matters Most to Older Chinese Adults. *Journal of Transcultural Nursing*. <https://doi.org/10.1177/10436596211053655>
- **Marullo, A.L., Bird, J.D., Ciorogariu-Ivan, A-M., Boulet, L.M., Strzalkowski, N.D.J. & Day, T.** (2021). Acute Hyperglycemia does not affect Central Respiratory Chemoreflex Responsiveness to CO₂ in Healthy Humans. *Perspiratory Physiology & Neurobiology*. <https://doi.org/10.1016/j.resp.2021.103803>
- **Eubank, B.H.F.**, Lackey, S.W., Slomp, M., Werle, J.R., Kuntze, C. & Sheps, D.M. (2021). Consensus for a primary care clinical decision-making tool for assessing, diagnosing, and managing shoulder pain in Alberta, Canada. *BMC Family Practice* 22, 201. <https://doi.org/10.1186/s12875-021-01544-3>
- Milne, E. & **Hamilton, L.K.** (2021). [Navigating Personal, Professional, Institutional, and Relational Dimensions of Community-Engaged Research](#). *Journal of Community Engagement and Scholarship* 14(1) 12
- **Morton, P.A.** (2021). Martin Luther's Views on Superstition, Witchcraft, and Faith between 1518 and 1529. *Archiv für Reformationsgeschichte - Archive for Reformation History* 112(1): 7-34. <https://doi.org/10.14315/arg-2021-1120102>
- **El Hussen, M.T.** & Habib, J. (2021). AUDITS: Mnemonical Approach for Atrial Fibrillation With Coronary Artery Disease. *The Journal for Nurse Practitioners*. <https://doi.org/10.1016/j.nurpra.2021.09.001>
- **McCullum, B.** (2021). Empathetic Teaching Informed by Scholarship of Teaching and Learning is Needed Now More than Ever: An Introduction to Issue 12.1. *The Canadian Journal for the Scholarship of Teaching and Learning*, 12(1). <https://doi.org/10.5206/cjsotlrcacea.2021.1.14255>
- **Yavorska, O.A.**, Syriste, L., **du Plessis, C.M.**, **Yaqoob, M.**, **Loogman, K.**, **Cordara, M.**, & **Chik, J.K.** (2021). Cosolutes Modify Alkaline Phosphatase Catalysis through Osmotic Stress and Crowding Mechanisms. *ACS Omega* 2021 6 (40), 26239-26250. DOI: 10.1021/acsomega.1c03243
- Bertolesi, G. E., Debnath, N., **Atkinson-Leadbetter, K.**, Niedzwiecka, A., & McFarlane, S. (2021). Distinct type II opsins in the eye decode light properties for background adaptation and behavioural background preference. *Molecular ecology*, 10.1111/mec.16203. Advance online publication. <https://doi.org/10.1111/mec.16203>
- **El Hussein, M.T.** & Bell, N. (2021). Sodium-Glucose Cotransporter-2 Inhibitors: Heart Failure and Renal Protection Indications. *The Journal for Nurse Practitioners*. <https://doi.org/10.1016/j.nurpra.2021.09.002>
- **Haney, T. J.** (2021). Development, Responsibility, and the Creation of Urban Hazard Risk. *City & Community*. <https://doi.org/10.1177/15356841211046265>
- **Major, D.**, Rittenbach, K., MacMaster, F., Walia, H. & VandenBerg, S.D. (2021). Exploring the experience of boarded psychiatric patients in adult emergency departments. *BMC Psychiatry* 21, 473. <https://doi.org/10.1186/s12888-021-03446-1>
- **Harmer, K., Dempsey, E. & Kostouros, P.** (2021). [Building 21st Century Skills Using an Academic Makerspace](#). *Transformative Dialogues: Teaching and Learning Journal* 14(2).
- Scherzer, C. B., Trenchuk, J., Peters, M., & Mazury, R. (2021). An Exploration of the Relationship Between Disordered Eating, Exercise Dependence, and Athletic Injury. *Journal of Clinical Sport Psychology* (published online ahead of print 2021). Retrieved Sep 29, 2021, from <https://journals.humankinetics.com/view/journals/jcsp/aop/article-10.1123-jcsp.2020-0063/article-10.1123-jcsp.2020-0063.xml>
- Reed S. (2021). [Being Sita: Gayathri Ramprasad's Shadows in the Sun](#). In: Hollenbach J., McDonald R.A. (eds) *Re/Imagining Depression*. Palgrave Macmillan, Cham. https://doi.org/10.1007/978-3-030-80554-8_12
- Winterdyk J.A. (2021). [Comparing Aboriginal and Post-colonial Restorative Justice: The Case of Canada](#). In: Gavrielides T. (eds) *Comparative Restorative Justice*. Springer, Cham. https://doi.org/10.1007/978-3-030-74874-6_6
- Roberts, K. (2021). [Opportunities for systemism in learning and practicing IR](#). *Canadian Foreign Policy Journal*. DOI: 10.1080/11926422.2021.1969965

- Dosani, A., Murthy, P., Kassam, S. Rai, B. & Lodha, A.K. (2021). [Parental perception of neonatal transfers from level 3 to level 2 neonatal intensive care units in Calgary, Alberta: qualitative findings](#). *BMC Health Services Research* 21, 981. <https://doi.org/10.1186/s12913-021-06967-3>
- Lock, J., Johnson, C., Hill, L., Ostrowski, C., & da Rosa dos Santos, L. (2021). [From Assistants to Partners: A Framework for Graduate Students as Partners in SoTL Research](#). *Teaching and Learning Inquiry*, 9(2). <https://doi.org/10.20343/teachlearningqu.9.2.9>
- U-Din, S. and Tripe, D. (2021). [Banking market structure and efficiency: an assessment of the USA and Canada](#). *Journal of Economic Studies*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/JES-03-2021-0157>
- miller, p. m., Oliver, B., Lapointe, K., Samson, K., Berezowski, K., Nelson, K., & anonymous, K. (2021). [High Touch Research: Building Community for Those Living with HIV](#). *The Qualitative Report*, 26(9), 2837-2850. <https://doi.org/10.46743/2160-3715/2021.4857>
- El Hussein, M., McLarnon, M., & Fast, O. (2021). [Psychometric Testing of a Theory-Based Measure to Evaluate Clinical Performance of Nursing Students](#). *Nursing Education Perspectives*. DOI: 10.1097/01.NEP.0000000000000888
- Marien, M., Lafave, M., Hiemstra, L., Heard, S.M., Buchko, G., & Kerlake, S. (2021). [Validity, Responsiveness, and Reliability of the ACL-QOL in an Adolescent Population](#). *Journal of Pediatric Orthopaedics*. DOI: 10.1097/BPO.0000000000001964
- Lee, T.S., Squires, K. & Sanderson, K (2021). [Value of Private Land Conservation in Alberta](#). Document prepared for: Alberta Land Trust Community.
- Villa Cervený, N., Gielstra, D., Gielstra, J., Moorman, L., Cerney, D. & Foster, E.J. (2021) [Where is our Booth? Clan Organization at the Alpingi, Pingvellir, Iceland in Virtual Reality](#). *The Geography Teacher* 18(3-4): 171-178, DOI: 10.1080/19338341.2021.1931919
- Moorman, L., Cerney, D., Gielstra, D., Foster, E. & Villa Cervený, N. (2021). [From Real to Virtual Reality—Using the Geographic Advantage with Emerging Technology to Pivot an International Interdisciplinary Experience](#). *The Geography Teacher* 18(3-4):107-116, DOI: 10.1080/19338341.2021.1939095
- Clemis D. (2021). [“Great Annoyance to Their Mindes”: Humours, Intoxication, and Addiction in English Medical and Moral Discourses, 1550–1730](#). In: Kenny A., Peterson K.L. (eds) *Humorality in Early Modern Art, Material Culture, and Performance*. Palgrave Studies in Literature, Science and Medicine. Palgrave Macmillan, Cham. https://doi.org/10.1007/978-3-030-77618-3_4
- Gielstra, D., Moorman, L., Cerney, D., Cervený, N., Gielstra, J. (2021). [GeoEPIC: Innovating a Solution to Implement Virtual Field Experiences for Education in the Time of COVID-19 and the Post-Pandemic Era](#). *Journal of Higher Education Theory and Practice* 21(7): 1-10.
- Schiff, R., Kryswaty, B., Hay, T. and Wilkinson, A. (2021). [Pandemic preparedness and response in service hub cities: lessons from Northwestern Ontario](#). *Housing, Care and Support*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/HCS-04-2021-0012>
- Adeleke, O., Akinlabi, S.A., Jen, T.C. & Dunmade, I. (2021). [Environmental impact assessment of the current, emerging, and alternative waste management systems using life cycle assessment tools: a case study of Johannesburg](#). *South Africa. Environmental Science and Pollution Research*. <https://doi.org/10.1007/s11356-021-16198-y>
- Hawley, M. (2021) [The First Sikh: The Life and Legacy of Guru Nanak](#). *Religion*. DOI: 10.1080/0048721X.2021.1969830
- Haney, T.J. (2021): [‘Scientists don’t care about truth anymore’: the climate crisis and rejection of science in Canada’s oil country](#). *Environmental Sociology*. DOI: 10.1080/23251042.2021.1973656
- Stanton, T.R., Braithwaite, F.A., Butler, D., Lorimer Moseley, G., Hill, C., Milte, R., Ratcliffe, J., Maher, C., Tomkins-Lane, C., Pulling, B.W., MacIntyre, E., Esterman, A., Stanford, T., Lee, H., Fraysse, F., Metcalf, B., Mouatt, B., & Bennell, K. (2021). [The EPIPHA-KNEE trial: Explaining Pain to target unhelpful pain beliefs to Increase Physical Activity in KNEE Osteoarthritis – a protocol for a multicentre, randomised controlled trial with clinical- and cost-effectiveness analysis](#). *BMC Musculoskeletal Disorders* 22: 738.