

Nutrition & Health Innovation Research Institute

Annual Report 2021



One vision

Healthy people
Healthy communities

One mission

Reduce chronic disease by
developing, translating and
implementing nutrition and
health innovation research

NHIRI at a Glance



100

Total Members

28

PhD Students



1 in 5

NHIRI Publications are in the
top 10% cited worldwide

\$>1m

Total External Income



1978

Total Media mentions for 2021 *

66

Q1 Publications



81

Publications



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Director's Report

Edith Cowan University launched nine new Institutes and Centres at the end of 2020 and have invested \$16m over the next five years to further strengthen the key areas of research – Health, Natural and Built Environment, Society and Culture and securing Digital Futures .

Since the Institute was launched, the first 12 months saw significant progress toward achieving many operational and administrative requirements and goals, whilst keeping our focus on research excellence and growth.

The Institute is led by Professor Jonathan Hodgson, Director and Associate Professor Joshua Lewis as Research Program Lead.

It is made up of 17 Core researchers who also make up the Steering Committee, 16 other members, 20 full time and part time staff, 28 HDR students and 50 national and International collaborators.

In the first quarter of this year, we finalised our Advisory Board, with the first meeting held in late May. In April we also began regular Steering Committee and Research meetings. We have initiated a formal strategic and business plan, which will be completed within 12 months.

The successful launch of the INR was held on the 29th September 2021, with key stakeholders and collaborators listening to insights into the current research programs and innovative approaches and translation of this evidence into practice.

Additionally, the Institute held its first Research Symposium at the Joondalup Country Club in December. The full day event provided opportunity for INR members, students and external collaborators at various stages of their career to share their cutting-edge research findings, network with like-minded researchers, and participate in lively discussion. The program showcased a diverse offering with 19 presentations across sessions on Public Health and Health Promotion, Technology and eHealth, and Food and Health. We look forward to building on this inaugural event for the 2022 research symposium.

2021 was a pivotal year for the Institute for Nutrition Research when it was provided with Institute status from Edith Cowan University, providing the vital platform to achieve our vision of 'Healthy people Healthy communities'.

A major focus for the Institute is to meaningfully communicate the impact of our research, and to support this effort, a new branding strategy and website project is underway. We are also investigating the use of a new reporting platform anticipated to be trialled in 2022. The purpose of this platform is to understand and communicate with our major stakeholders and funders including the Heart Foundation, NHMRC, Royal Perth Hospital Research Foundation and Department of Health Western Australia, our progress toward impact, that often takes many years.

INR's research was a key contributor to Edith Cowan University's School of Medical Health Sciences strategic goals and INR members and students received various awards with a strong representation in worldwide media activities and high output of scientific publications in quality journals.

Finally, we would like to take this opportunity to acknowledge the support of ECU in providing Strategic Research funding for the Institute. Thanks also to the Advisory Board who contribute their valuable advice and guidance in a voluntary capacity and to the achievements of INR's members, staff and students. We are proud of INR's growing reputation of discovering and sharing real- world solutions to improve health and quality of life.



**Professor
Jonathan Hodgson
Director**



**A/Professor
Joshua Lewis
Research Program Lead**

Research Excellence

INR has multi-disciplinary research programs under four themes – discovery and excellence, technology and innovation, real world impact and a sustainable future. Our expertise encompasses observational epidemiology; randomised controlled trials; biomarkers and laboratory sciences; technology and eHealth; and health promotion and evaluation of evidence-based approaches. Our integrated pipeline of curiosity driven research provides mechanistic insights and functional evidence. We work with our partners to scale and innovate discoveries to WA and beyond.

Our focus is on nutrition and other health behaviours to prevent cardiovascular, neurodegenerative and musculoskeletal diseases. However, the outcomes of our research will be valuable for many chronic diseases, which have similar origins in health behaviours.

Our research team has an established track-record in attracting funding from competitive sources including the National Health and Medical Research Council and the Heart Foundation of Australia, and industry and philanthropic groups.

We seek to connect, support and develop high performing leaders for a sustainable future. We are proactive in our approach to support our early and mid-career researchers (EMCRS's) through careful mentoring and skills training. A formal mentoring program will be developed in 2022.

To ensure the sustainability of its quality research, INR will continue to develop new highly productive and targeted collaborations and partnerships. Engagement and collaboration with industry, government, research bodies, and other stakeholders is critical to our approach. Our researchers are open to opportunities to develop new collaborations to enhance our understanding of targeted nutritional approaches to improve health, and to develop novel and effective implementation strategies. These partnerships will result in novel targeted approaches to improve health, and innovative and effective implementation strategies.

Our research team has an established track-record in attracting funding from competitive sources including the National Health and Medical Research Council and the Heart Foundation of Australia, and industry and philanthropic groups.



Our researchers are internationally recognised experts and with a strong history of contributing to the development of national and international public health policy, guidelines, recommendations and practice.

To ensure the sustainability of its quality research, INR will continue to develop new highly productive and targeted collaborations and partnerships. Engagement and collaboration with industry, government, research bodies, and other stakeholders is critical to our approach. Our researchers are open to opportunities to develop new collaborations to enhance our understanding of targeted nutritional approaches to improve health, and to develop novel and effective implementation strategies. These partnerships will result in novel targeted approaches to improve health, and innovative and effective implementation strategies.

Building the next Generation of Research Excellence

Growing the capacity of the next generation of researchers is a very important focus of INR. We seek to connect, support and develop high performing leaders for a sustainable future. We are proactive in our approach to support our early and mid-career researchers (EMCRS's) through careful mentoring and skills training. A formal mentoring program will be developed in 2022.

Staff & Student Awards

Staff

- Dr Marc Sim: Reducing the burden of falls in older Australians. Department of Health Western Australia Merit Award, 2021-2022, \$74 000.
- Dr Catherine Bondonno: Dietary nitrate: villain or hero? Department of Health Western Australia Merit Award, 2021-2022, \$74 000.
- A/Prof Joshua Lewis: A novel machine-learning approach to reducing falls and their burden in older Australians. Department of Health Western Australia Merit Award, 2021-2022, \$74 000.
- Associate Professor Joshua Lewis received the Western Australian Cardiovascular research alliance mid-career publication prize.
- Dr Catherine Bondonno was a finalist for the Western Australian Cardiovascular research alliance mid-career publication prize.
- Dr Marc Sim was a finalist for the Western Australian Cardiovascular research alliance early-career publication prize.
- Dr Catherine Bondonno received the NSA Mid-Career Research Award, which is awarded to members who have demonstrated excellence in an area of nutrition or nutrition science.
- Professor David Suter was named the ECU Outstanding Research Mentor at the ECU staff research excellence awards night.
- Dr Catherine Bondonno and Dr Marc Sim were promoted to Senior Lecturer (Level C).
- Dr Nicky Bondonno was awarded Best media campaign for her campaign 'Growing evidence that fruit may lower the risk of type 2 diabetes'.
- Dr Mary Kennedy was accepted into the Harvard Medical School, Media in Medicine graduate certificate program.
- Dr Marc Sim was awarded the 2021 Australian and New Zealand Bone and Mineral Society, Kyowa Kirin Best Clinical Presentation: "Creatinine to cystatin C ratio: a novel biomarker of sarcopenia measures and falls risk in community-dwelling older women?"

Students

- PhD Candidate Ms Simone Radavelli Bagatini was awarded 1st prize in the American Society for Nutrition Infographic competition.
- PhD Candidate Mr Reindolf Anokye was the recipient of the GSA Emerging Scholar and Professional Organization – Carol Schutz Registration Award.
- PhD Candidate Mr Reindolf Anokye was named the 2021 ACRM Diversity Complementary Integrative Rehabilitation Medicine (DCIRM) Mentoring & Career Development Fellow. Reindolf is supervised by Associate Professor Joshua Lewis, Professor Jonathan Hodgson, Associate Professor Mandy Stanley and Dr Lauren Blekkenhorst.
- PhD candidate Simone Radavelli-Bagatini was awarded Best media campaign by a Higher Degree Research student for her campaign 'Eating more fruit and vegetables linked to less stress'.
- Mr Ben Parmenter received the Western Australian Cardiovascular research alliance student publication and people choice prizes.
- Ms Jo Rees had her PhD accepted with minor revisions.



NHIRI Grants and Awards

NHIRI Collaboration Small Grants

Catherine Bondonno: Randomised controlled trials to investigate N-nitrosamine formation after source of nitrate intake: the Nitrate INFORMER Studies. \$10,000

Collaborating partners: Curtin University, Flinders University

Dammy Adu: Evaluation of Healthy Eating and Physical Activity Among Individuals with Obesity and Relationship with Health Belief – Pilot Study. \$3,000

Marc Sim: Influence of female sex hormones on substrate utilisation during exercise. \$5,000

Collaborating partners: Murdoch University

Ruth Wallace: Little Aussie Bugs: Promoting personal hygiene, health and wellness through early years' literacy. \$10,000

Tas Masih: The impact of culinary nutrition education on the intake of cruciferous vegetables: translating research evidence. \$3,000

Simone Radavelli-Bagatini: Can smartwatches reliably measure stress? \$10,000

Collaborating partners: Monash University

Douglas Chai: Developing vision systems for Future fridges to help monitor dietary intake and reduce food waste. \$10,000

Jack Dalla Via: Understanding lifestyle support received during and following breast and prostate cancer treatment. \$3,000

Collaborating partners: GenesisCare, Deakin University

Mary Kennedy: Establishing an Implementation Science Special Interest Group at ECU. \$6,000

Collaborating partners: Australian Catholic University, Harvard Medical School, Spaulding Rehabilitation Hospital

Liezhou Zhong: Developing three-dimensionally printable fruit and vegetable-based dishes for vulnerable Australian communities. \$10,000

Collaborating partners: Texture Modified Food Solutions, Monash University

NHIRI Awards

2021 NHIRI Capacity Building Award

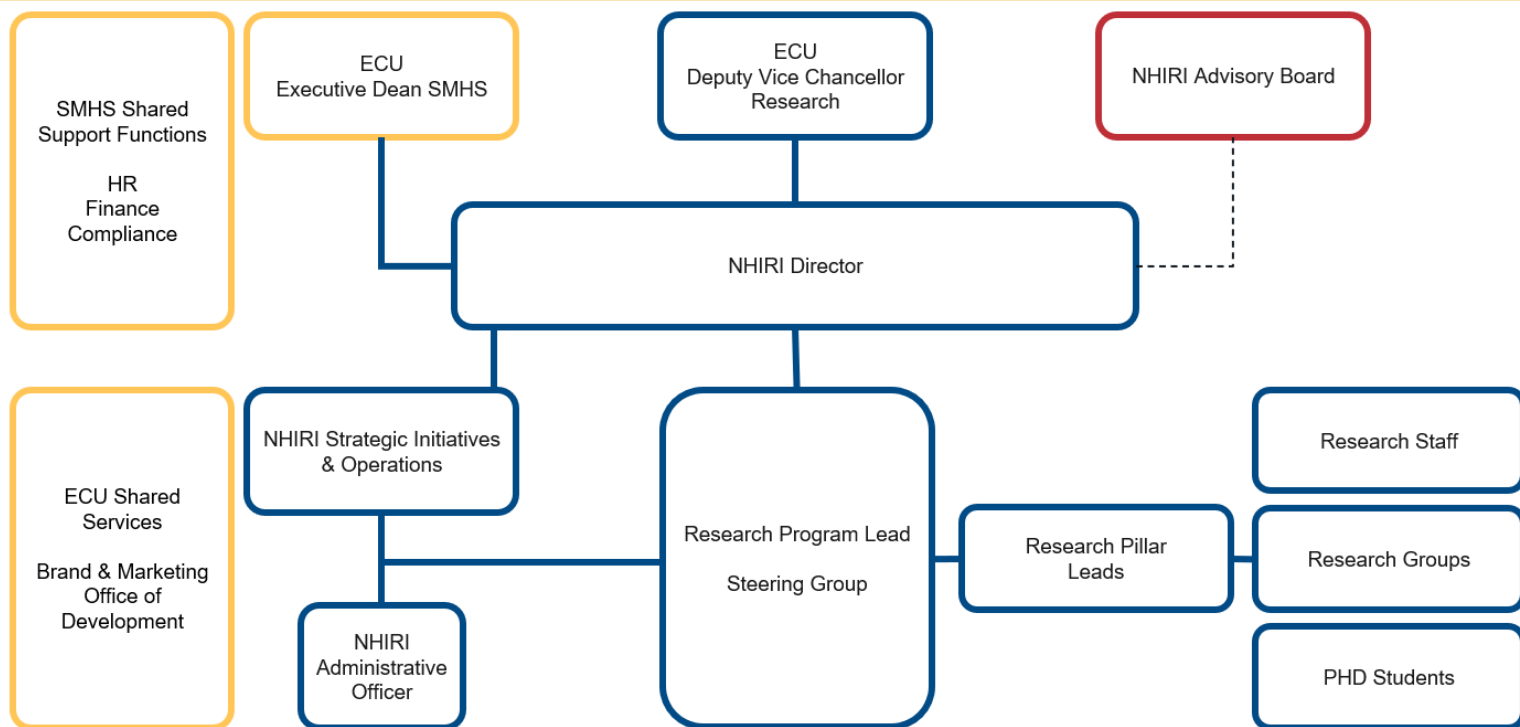
Ros Sambell received the 2021 Institute for Nutrition Research Capacity Building Award. Ros was provided with \$10,000 to support her research.

2021 NHIRI Research Incubator Awards

Mary Kennedy, Dammy Adu, Liezhou Zhong and Jack Dalla Via each received 2021 Institute for Nutrition Research Incubator Awards. They were each provided with \$5,000 to support their research.

NHIRI Governance

NHIRI Organisational Structure



NHIRI in the media

In 2021, the Institute for Nutrition Research successfully communicated many important research findings through the media.

Edith Cowan University's media monitoring service recorded 1978 media mentions in 2021, with a potential audience of 4.37 billion. Media included:

- Associate Professor Joshua Lewis and NHIRI PhD candidate Abadi Gebre's research about future falls risk detection by a simple bone density scan
- NHIRI PhD candidate Simone Radavelli-Bagatini's research into eating a diet rich in fruit and vegetables being associated with less stress
- Professor Jonathan Hodgson and Associate Professor Joshua Lewis led a world-first randomised controlled trial to test whether a novel way of detecting and providing information to older Australians about their blood vessel disease can lead to meaningful diet and lifestyle changes
- Associate Professor Therese O'Sullivan led the investigation that found whole fat milk is just as good for kids as low fat
- Dr Nicola Bondonno's research paving the way to develop Western Australia's next super healthy apple
- Dr Catherine Bondonno's findings that by eating just one cup of nitrate-rich vegetables each day people can significantly reduce their risk of heart disease
- Dr Lauren Blekkenhorst's research showing that broccoli and brussels sprouts could be the most beneficial when it comes to preventing advanced blood vessel disease
- Dr Marc Sim's study findings that eating just one cup of leafy green vegetables every day could boost muscle function
- Dr Nicola Bondonno led a study that found eating at least two serves of fruit daily has been linked with 36 per cent lower odds of developing type 2 diabetes
- A study led by Associate Professor Joshua Lewis demonstrates that the build-up of calcium in a major artery outside of the heart could predict future heart attack or stroke
- Dr Nicola Bondonno's findings that people who eat a diet rich in vitamin K have up to a 34 percent lower risk of atherosclerosis-related cardiovascular disease
- Dr Liezhou Zhong and Dr Dammy Adu's research into using innovative 3D food printing technology to boost the fruit and vegetable intake of Australians, from primary school students to aged care residents



Externally funded Research projects and fellowships active in 2021

Projects

Researcher	Project Title	Funding Scheme
Amanda Devine	Equitable WIL: Building host organisation capacity to ensure safe and inclusive WIL programs for students with a disability	Australian Collaborative Education Network
Amanda Devine	Request for food and nutrition curriculum support materials as part of the WA Healthy Children Program - K -10 School Food and Nutrition Curriculum	Department of Health WA
Amanda Devine	The Effect of Dietary Resistant Starch on Maternal Glycaemia and the Gut Microbiome in Gestational Diabetes	Spinnaker Health Research Foundation
Amanda Devine	Meningococcal Infection, Awareness Prevention and Protection (Miapp) Improving and evaluating adolescnets access to meningococcal education through the use of an app	Lotterywest
Amanda Devine	What motivates and supports primary school teachers to teach nutrition? (Student Supervisor)	Healthway
Amanda Devine	The feasibility and therapeutic utility of a 12-week telehealth delivered environmental enrichment program for young stroke survivors experiencing cognitive impairment	Perron Institute for Neurological and Translational Science

Externally funded Research projects and fellowships active in 2021 *cont.*

Projects cont.

Researcher	Project Title	Funding Scheme
Amanda Devine	Application of a plant based diet in active Ulcerative Colitis (UC)	St John of God Health Care
Amanda Devine	Flexible work and psychological safety: best practice to advance psychologically safe work from alternate locations	NSW Government
Amanda Devine	Pathway to healthy food environments: a guide for local governments in Western Australia	Healthway
Amanda Devine	Evaluation of Foodbank WA s School Breakfast and Food Nutrition Program (01/2015FBWA)	Foodbank
Amanda Devine	Develop a systematic profiling of neurological conditions that will facilitate personalised treatment and streamline service delivery	Multiple Sclerosis Society of Western Australia
Amanda Devine	Equitable WIL: Building host organisation capacity to ensure safe and inclusive WIL programs for students with a disability	Australian Collaborative Education Network

Externally funded Research projects and fellowships active in 2021 *cont.*

Projects cont.

Researcher	Project Title	Funding Scheme
Amanda Devine	Influence of Enzyme Rich Malt Extract on gut health symptoms of irritable bowel syndrome and endurance exercise performance	Ateria Health Australia Pty Ltd
Amanda Devine	Weight loss for overweight and obese prostate cancer patients: a randomised trial of a clinic-based versus telehealth delivered exercise and nutrition intervention	Cancer Council of WA Inc
Amanda Devine	An exploratory study to determine if exercise can impact the gut microbiota composition of men receiving androgen suppression therapy for prostate cancer	Prostate Cancer Foundation of Australia
Catherine Bondonno	Nitrate and human health – villain or superhero?	Dept of Health WA
Catherine Bondonno	Nitrate and Human Health – From Villain to Hero	Dept of Health WA
Catherine Bondonno	Source-dependent nitrate and nitrite intake and risk of colorectal cancer, stomach cancer and bladder cancer	World Cancer Research Fund

Externally funded Research projects and fellowships active in 2021 *cont.*

Projects cont.

Researcher	Project Title	Funding Scheme
Catherine Bondonno	Dietary nitrate, vascular function and inflammation	Austrian Science Fund
Catherine Bondonno	Nitrate and human health – friend or foe?	Danmarks Frie Forskningsfond
David Suter	Developing a Framework for Speech Recognition and understanding in digital learning contexts	Science and Industry Endowment Fund
David Suter	Tensor and Hypergraph Methods in Fitting Visual Data	Australian Research Council
David Suter	Investigating the opportunities and challenges posed by disruptive and converging technologies in Cyber, IoT, AI/ autonomous technologies to the mission, design, structure, operations and future roles and planning of Defence and the Australian Defence Force	Department of Defence
David Suter	Developing a novel deep learning architecture for automatic cardiac arrhythmia detection and classification	Department of Jobs, Tourism, Science and Innovation

Externally funded Research projects and fellowships active in 2021 *cont.*

Projects cont.

Researcher	Project Title	Funding Scheme
Jonathan Hodgson	Dietary approaches to enhance vascular health	NHMRC
Jonathan Hodgson, Amanda Devine, Joshua Lewis	Developing a novel approach to improve diet and lifestyle	NHMRC
Jonathan Hodgson, Catherine Bondonno	A new Western Australian flavonoid-rich apple, BravoTM, and vascular health	Fruit West
Joshua Lewis, David Suter	Automated methods for evaluating structural vascular disease	NHMRC
Joshua Lewis	Developing & evaluating a novel tool for primary prevention of clinical cardiovascular disease	Heart Foundation
Joshua Lewis	A change of heart: developing a novel tool to alter the course of cardiovascular disease	Dept of Health WA

Externally funded Research projects and fellowships active in 2021 *cont.*

Projects cont.

Researcher	Project Title	Funding Scheme
Joshua Lewis	A novel machine-learning approach to reducing falls and their burden in older Australians	Dept of Health WA
Joshua Lewis	Perth Longitudinal Study of Ageing Women	Dept of Health WA
Joshua Lewis	Bone tired: Better understanding of vascular-bone ageing	Rebecca L Cooper Medical Research Foundation Ltd
Lauren Blekkenhorst	Vegetable types and their Bioactives: Growing the evidence for Cardiovascular benefits	Dept of Health WA
Lauren Blekkenhorst, Jonathan Hodgson	Stronger evidence for the cardiovascular health benefits of specific vegetables and their bioactive compounds	Heart Foundation
Lauren Blekkenhorst	Vegetable types and their Bioactives: Growing the evidence for Cardiovascular benefits	NHMRC

Externally funded Research projects and fellowships active in 2021 *cont.*

Projects cont.

Researcher	Project Title	Funding Scheme
Marc Sim	Reducing falls and their burden in older Australians	Dept of Health WA
Myles Murphy	Injury epidemiology in Western Australia Police recruits: A retrospective cohort study	WA Police
Myles Murphy	The efficacy of Transcranial direct current stimulation during rehabilitation following Anterior Cruciate Ligament (ACL) reconstruction on functional outcomes and return to play timelines. A double-blind randomised controlled trial (The TACL study)	Orthopaedic Research Foundation of WA
Myles Murphy	The efficacy of Transcranial direct current stimulation during rehabilitation following Anterior Cruciate Ligament (ACL) reconstruction on functional outcomes and return to play timelines. A double-blind randomised controlled trial (The TACL study)	SportsMed Subiaco
Nicola Bondonno, Jonathan Hodgson, Catherine Bondonno	Investigating the Relationship between Dietary Components and Cardiometabolic Disease	Raine Medical Research Foundation
Nicola Bondonno	Variations in flavonoid metabolism as an explanation for inter-individual differences in physiological responses to flavonoid-rich foods	NHMRC

Externally funded Research projects and fellowships active in 2021 *cont.*

Projects cont.





Researcher	Project Title	Funding Scheme
Nicola Bondonno, Jonathan Hodgson, Catherine Bondonno	A microbiome derived flavan-3-ol catabolite as a biomarker of intake	Royal Perth Hospital Medical Research Foundation
Therese O'Sullivan	Helping new mums to be better breastfeeders – before their babies are even born	Department of Health WA
Therese O'Sullivan	Helping new mums to be better breastfeeders – before their babies are even born	Stan Perron Charitable Trust
Therese O'Sullivan, Rae-Chi Huang	Embedding E-Health (Pregnancy Lifestyle, Activity, Nutrition (PLAN) into routine clinical practice pathways to provide a healthy start to life	Western Australian Health Translation Network
Therese O'Sullivan	Colostrum, the missing link for healthy children in Western Australia	The Channel 7 Telethon Trust
Zulqarnain Gilani	Dynamic two-way communication using gestures for human-machine teaming	Department of Jobs, Tourism, Science and Innovation

Externally funded Research projects and fellowships active in 2021 *cont.*

Fellowships

Staff Member	Project Title	Funding Scheme
Catherine Bondonno	Nitrate and human health – villain or superhero?	Royal Perth Hospital Medical Research Foundation, Career Advancement Fellowship
Marc Sim	Novel strategies to reduce the risk of falls and associated injury in older Australians	Royal Perth Hospital Medical Research Foundation, Career Advancement Fellowship

2021 Publications

	Title	Q1 Journal	Impact Factor (2020)
1	Sim, M., Blekkenhorst, L., Bondonno, N., Radavelli Bagatini, S., Peeling, P., Bondonno, C., Magliano, D., Shaw, J., Woodman, R., Murray, K., Lewis, J., Daly, R., Hodgson, J. (2021). Dietary nitrate intake is positively associated with muscle function in men and women independent of physical activity levels. <i>The Journal of Nutrition</i> , 151(5), 1222 – 1230. https://doi.org/10.1093/jn/nxaa415 .		4.798
2	Detaram, H., Liew, G., Lewis, J., Bondonno, N., Bondonno, C., Vu, KV., Burlutsky, G., Hodgson, J., Mitchell, P., Gopinath, B. (2021). Dietary flavonoids are associated with longitudinal treatment outcomes in neovascular age-related macular degeneration. <i>European Journal of Nutrition</i> , 2021(Article in Press), 8p.. https://doi.org/10.1007/s00394-021-02582-4 .		5.619
3	Ong, S., Bondonno, N., Downey, L., Scholey, A., Smith, M., Stough, C., Blekkenhorst, L., Woodman, R., Croft, K., Hodgson, J., Bondonno, C. (2021). Effects of Chewing Gum on Nitric Oxide Metabolism, Markers of Cardiovascular Health and Neurocognitive Performance after a Nitrate-Rich Meal. <i>Journal of the American College of Nutrition</i> , 2021(Article in press), 1-13. https://doi.org/10.1080/07315724.2020.1869119 .		3.175
4	Bondonno, C., Dalgaard, F., Blekkenhorst, L., Murray, K., Lewis, J., Croft, K., Kyro, C., Torp-Pedersen, C., Gislason, G., Tjønneland, A., Overvad, K., Bondonno, N., Hodgson, J. (2021). Vegetable nitrate intake, blood pressure and incident cardiovascular disease: Danish Diet, Cancer, and Health Study. <i>European Journal of Epidemiology</i> , 2021(April), 12p.. https://doi.org/10.1007/s10654-021-00747-3 .		6.71
5	Radavelli Bagatini, S., Anokye, R., Bondonno, N., Sim, M., Bondonno, C., Stanley, M., Harms, C., Woodman, R., Magliano, D., Shaw, J., Daly, R., Hodgson, J., Lewis, J., Blekkenhorst, L. (2021). Association of habitual intake of fruits and vegetables with depressive symptoms: the AusDiab study. <i>European Journal of Nutrition</i> , 2021(Article in Press), 13p.. https://doi.org/https://doi.org/10.1007/s00394-021-02532-0 .		5.619
6	Bondonno, C., Bondonno, N., Dalgaard, F., Murray, K., Kirby, S., Martins, R., Rainey-Smith, S., Cassidy, A., Lewis, J., Croft, K., Kyro, C., Gislason, G., Scalbert, A., Tjønneland, A., Overvad, K., Hodgson, J. (2021). Flavonoid intake and incident dementia in the Danish Diet, Cancer, and Health cohort. <i>Alzheimer's and Dementia</i> , 7(13 May 2021), Article number e12175. https://doi.org/10.1002/trc2.12175 .		13.68
7	Liu, Y., Croft, K., Hodgson, J., Mori, T., Ward, N. (2021). Chronic nitrite treatment activates adenosine monophosphate-activated protein kinase-endothelial nitric oxide synthase pathway in human aortic endothelial cells. <i>Journal of Functional Foods</i> , 80(May 2021), Article number 104447. https://doi.org/10.1016/j.jff.2021.104447 .		4.35
8	Zhong, L., Fang, Z., Wahlqvist, M., Hodgson, J., Johnson, S. (2021). Multi-response surface optimisation of extrusion cooking to increase soluble dietary fibre and polyphenols in lupin seed coat. <i>LWT: Food Science and Technology</i> , 140(April 2021), Article number 110767. https://doi.org/10.1016/j.lwt.2020.110767 .		4.952

2021 Publications *cont.*

	Title	Q1 Journal	Impact Factor
9	Rees, J., Radavelli Bagatini, S., Lo, J., Hodgson, J., Christophersen, C., Daly, R., Magliano, D., Shaw, J., Sim, M., Bondonno, C., Blekkenhorst, L., Dickson, J., Lewis, J., Devine, A. (2021). Association between Fruit and Vegetable Intakes and Mental Health in the Australian Diabetes Obesity and Lifestyle Cohort. <i>Nutrients</i> , 13(5), Article number 1447. https://doi.org/https://doi.org/10.3390/nu13051447 .		5.43
10	Gebre, A., Sim, M., Rodriguez, A., Hodgson, J., Blekkenhorst, L., Szulc, P., Bondonno, N., Zhu, K., Bondonno, C., Kiel, D., Schousboe, J., Prince, R., Lewis, J. (2021). Abdominal aortic calcification is associated with a higher risk of injurious fall-related hospitalizations in older Australian women. <i>Atherosclerosis</i> , 328(July 2021), 153-159. https://doi.org/10.1016/j.atherosclerosis.2021.05.003 .		3.7
11	Bondonno, N., Davey, R., Murray, K., Radavelli Bagatini, S., Bondonno, C., Blekkenhorst, L., Sim, M., Magliano, D., Daly, R., Shaw, J., Lewis, J., Hodgson, J. (2021). Associations between fruit intake and risk of diabetes in the AusDiab cohort. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021(Article in Press), 12p. https://doi.org/10.1210/clinem/dgab335 .		5.958
12	Radavelli Bagatini, S., Blekkenhorst, L., Sim, M., Prince, R., Bondonno, N., Bondonno, C., Woodman, R., Anokye, R., Dimmock, J., Jackson, B., Costello, L., Devine, A., Stanley, M., Dickson, J., Magliano, D., Shaw, J., Daly, R., Hodgson, J., Lewis, J. (2021). Fruit and vegetable intake is inversely associated with perceived stress across the adult lifespan. <i>Clinical Nutrition</i> , 40(5), 2860-2867. https://doi.org/10.1016/j.clnu.2021.03.043 .		7.324
13	Bondonno, N., Murray, K., Cassidy, A., Bondonno, C., Lewis, J., Croft, K., Kyro, C., Gislason, G., Torp-Pedersen, C., Scalbert, A., Tjønneland, A., Hodgson, J., Dalgaard, F. (2021). Higher habitual flavonoid intakes are associated with a lower risk of peripheral artery disease hospitalizations. <i>American Journal of Clinical Nutrition</i> , 113(1), 187-199. https://doi.org/10.1093/ajcn/nqaa300 .		7.045
14	Bellenge, J., Dalgaard, F., Murray, K., Connolly, E., Blekkenhorst, L., Bondonno, C., Lewis, J., Sim, M., Croft, K., Gislason, G., Torp-Pedersen, C., Tjønneland, A., Overvad, K., Hodgson, J., Schultz, C., Bondonno, N. (2021). Vitamin K Intake and Atherosclerotic Cardiovascular Disease in The Danish Diet Cancer and Health Study. <i>Journal of the American Heart Association</i> , 10(16), Article number e020551. https://doi.org/10.1161/JAHA.120.020551		5.501
15	Sim, M., Zhu, K., Lewis, J., Hodgson, J., Prince, R. (2021). Association between vitamin D status and long-term falls-related hospitalization risk in older women. <i>Journal of the American Geriatrics Society</i> , 69(11), 3114-3123. https://doi.org/10.1111/jgs.17442		5.562
16	Parmenter, B., Dalgaard, F., Murray, K., Cassidy, A., Bondonno, C., Lewis, J., Croft, K., Kyro, C., Gislason, G., Scalbert, A., Tjønneland, A., Hodgson, J., Bondonno, N. (2021). Habitual flavonoid intake and ischemic stroke incidence in the Danish Diet, Cancer, and Health Cohort. <i>American Journal of Clinical Nutrition</i> , 114(1), 348-357. https://doi.org/https://doi.org/10.1093/ajcn/nqab138 .		7.045








2021 Publications *cont.*

	Title	Q1 Journal	Impact Factor
17	Leow, K., Szulc, P., Schousboe, J., Kiel, D., Teixeira-Pinto, A., Shaikh, H., Sawang, M., Sim, M., Bondonno, N., Hodgson, J., Sharma, A., Thompson, P., Prince, R., Craig, J., Lim, W., Wong, G., Lewis, J. (2021). Prognostic value of abdominal aortic calcification: A systematic review and meta-analysis of observational studies. <i>Journal of the American Heart Association</i> , 10(2), Article number e017205. https://doi.org/10.1161/JAHA.120.017205 .		5.501
18	Blekkenhorst, L., Sim, M., Radavelli Bagatini, S., Bondonno, N., Bondonno, C., Devine, A., Schousboe, J., Lim, W., Kiel, D., Woodman, R., Hodgson, J., Prince, R., Lewis, J. (2021). Cruciferous vegetable intake is inversely associated with extensive abdominal aortic calcification in elderly women: a cross-sectional study. <i>The British Journal of Nutrition: an international journal of nutritional science</i> , 125(3), 337-345. https://doi.org/https://doi.org/10.1017/S0007114520002706 .		3.718
19	Jones, G., Trajanoska, K., Santanasto, A., Stringa, N., Kuo, C., Atkins, J., Lewis, J., Duong, T., Hong, S., Biggs, M., Luan, J., Sarnowski, C., Lunetta, K., Tanaka, T., Wojczynski, M., Cvejkus, R., Nethander, M., Ghasemi, S., Yang, J., Zillikens, M., Walter, S., Sicinski, K., Kague, E., Ackert-Bicknell, C., Arking, D., Windham, G., Boerwinkle, E., Grove, M., Graff, M., Spira, D., Demuth, I., Van Der Velde, N., De Groot, L., Psaty, B., Odden, M., Fohner, A., Langenberg, C., Wareham, N., Bandanelli, S., Van Schoor, N., Huisman, M., Tan, Q., Zmuda, J., Mellstrom, D., Karlsson, M., Bennett, D., Buchman, A., De Jager, P., Uitterlinden, A., Volker, U., Kocher, T., Teumer, A., Rodriguez-Manas, L., Garcia, F., Carnicero, J., Herd, P., Bertram, L., Ohlssen, C., Murabito, J., Melzer, D., Kuchel, G., Ferrucci, L., Karasik, D., Rivadeneira, F., Kiel, D., Pilling, L. (2021). Genome-wide meta-analysis of muscle weakness identifies 15 susceptibility loci in older men and women. <i>Nature Communications</i> , 12(December 2021), Article 654. https://doi.org/10.1038/s41467-021-20918-w .		14.919
20	Bellinge, J., Francis, R., Lee, SC., Vickery, A., Macdonald, W., Gan, SK., Chew, G., Phillips, M., Lewis, J., Watts, G., Schultz, C. (2021). The effect of Vitamin-K1 and Colchicine on Vascular Calcification Activity in subjects with Diabetes Mellitus (ViKCoVaC): A doubleblind 2x2 factorial randomized controlled trial. <i>Journal of Nuclear Cardiology</i> , epub ahead of print(April), 12p.. https://doi.org/10.1007/s12350-021-02589-8 .		5.952
21	Khoo, B., Wang, L., Lewis, J., Brown, K., Cheng, X., Prince, R. (2021). Structural factors associated with femoral neck fractures and its prediction in Chinese males. <i>Journal of Clinical Densitometry</i> , 2021(Article in Press), 6p.. https://doi.org/10.1016/j.jocd.2021.01.002 .		2.617
22	Lewis, J., Voortman, T., Ioannidis, J. (2021). Evaluating and strengthening the evidence for nutritional bone research: Ready to break new ground?. <i>Journal of Bone and Mineral Research</i> , 36(2), 219-226. https://doi.org/10.1002/jbmr.4236 .		6.741
23	Bellinge, J., Francis, R., Lee, SC., Phillips, M., Rajwani, A., Lewis, J., Watts, G., Schultz, C. (2021). 18F-Sodium Fluoride Positron Emission Tomography Activity Predicts the Development of New Coronary Artery Calcifications. <i>Arteriosclerosis, Thrombosis and Vascular Biology</i> , 41(1), 534-541. https://doi.org/10.1161/ATVBAHA.120.315364 .		8.311
24	Mundell, NL., Owen, PJ., Dalla Via, J., Macpherson, H., Daly, RM., Fraser, SF. (2021). Does androgen deprivation impact associations between cognition and strength, fitness and function in community-dwelling men with prostate cancer? A cross-sectional study. <i>BMJ Open</i> , 2021(article in press), e058478. https://doi.org/10.1136/bmjopen-2021-058478 .		2.692








2021 Publications *cont.*

	Title	Q1 Journal	Impact Factor
25	Smith, C., Lewis, J., Sim, M., Lim, W., Lim, E., Blekkenhorst, L., Brennan-Speranza, T., Adams, L., Byrnes, E., Duque, G., Levinger, I., Prince, R. (2021). Higher Undercarboxylated to Total Osteocalcin Ratio Is Associated With Reduced Physical Function and Increased 15-Year Falls-Related Hospitalizations: The Perth Longitudinal Study of Aging Women. <i>Journal of Bone and Mineral Research</i> , 36(3), 523-530. https://doi.org/10.1002/jbmr.4208 .		6.741
26	Smith, C., Tacey, A., Mesinovic, J., Scott, D., Lin, X., Brennan-Speranza, T., Lewis, J., Duque, G., Levinger, I. (2021). The effects of acute exercise on bone turnover markers in middle-aged and older adults: A systematic review. <i>Bone</i> , 143(February 2021), Article number 115766. https://doi.org/10.1016/j.bone.2020.115766 .		4.398
27	McCaskie, C., Sim, M., Newton, R., Hart, N. (2021). Lower-limb injury in elite Australian football: a narrative review of kinanthropometric and physical risk factors. <i>Physical Therapy in Sport</i> , 52(November 2021), 69-80. https://doi.org/10.1016/j.ptsp.2021.08.006		2.365
28	Rewa, J., Devine, A., Godrich, S. (2021). Evaluating the impact of a community- based food security project: The value in facilitating collaboration and understanding. <i>Health Promotion Journal of Australia</i> , epub ahead of print(May), 4p.. https://doi.org/10.1002/hpja.502 .		1.954
29	Shafaei Darestani, A., Rees, J., Christophersen, C., Devine, A., Broadhurst, D., Boyce, M. (2021). Extraction and quantitative determination of bile acids in feces. <i>Analytica Chimica Acta</i> , 1150(15 March 2021), Article 338224. https://doi.org/10.1016/j.aca.2021.338224 .		6.558
30	Yan, T., Andrew, L., Marlow, E., Kunaratnam, K., Devine, A., Dunican, I., Christophersen, C. (2021). Dietary Fibre Intervention for Gut Microbiota, Sleep and Mental Health in Adults with Irritable Bowel Syndrome: A Scoping Review. <i>Nutrients</i> , 13(Jun), Article 2159. https://doi.org/10.3390/nu13072159 .		5.43
31	Shafaei Darestani, A., Rees, J., Christophersen, C., Devine, A., Broadhurst, D., Boyce, M. (2021). Data supporting development and validation of liquid chromatography tandem mass spectrometry method for the quantitative determination of bile acids in feces. <i>Data in Brief</i> , 36(107091), 1-5. https://doi.org/10.1016/j.aca.2021.338224 .		1.133
32	Maisey, G., Cattani, M., Devine, A., Lo, J., Dunican, I. (2021). Sleep of shift workers in a remote mining operation: Methodology for a randomized control trial to determine evidence-based interventions. <i>Frontiers in Neuroscience</i> , 14(January 2021), Article number 579668. https://doi.org/10.3389/fnins.2020.579668 .		4.677
33	Swann, O., Breslin, M., Kilpatrick, M., O'Sullivan, T., Mori, T., Beilin, L., Oddy, W. (2021). Dietary fibre intake and its association with inflammatory markers in adolescents. <i>The British Journal of Nutrition: an international journal of nutritional science</i> , 125(3), 329-336. https://doi.org/10.1017/S0007114520001609 .		3.718







2021 Publications *cont.*

	Title	Q1 Journal	Impact Factor
34	Panossian, C., Lyons-Wall, P., Whitehouse, A., Oddy, W., Lo, J., Scott, J., O'Sullivan, T. (2021). Young Adults with High Autistic-Like Traits Displayed Lower Food Variety and Diet Quality in Childhood. <i>Journal of Autism and Developmental Disorders</i> , 51(2), 685-696. https://doi.org/10.1007/s10803-020-04567-4 .		4.291
35	Wan, F., Pan, F., Ayonrinde, O., Adams, L., Mori, T., Beilin, L., O'Sullivan, T., Olynyk, J., Oddy, W. (2021). Validation of fatty liver disease scoring systems for ultrasound diagnosed non-alcoholic fatty liver disease in adolescents. <i>Digestive and Liver Disease</i> , 53(6), 746-752. https://doi.org/10.1016/j.dld.2020.11.037 .		4.088
36	Swann, O., Breslin, M., Kilpatrick, M., O'Sullivan, T., Mori, T., Beilin, L., Lin, A., Oddy, W. (2021). Dietary fibre intake and its associations with depressive symptoms in a prospective adolescent cohort. <i>The British Journal of Nutrition: an international journal of nutritional science</i> , 125(10), 1166-1176. https://doi.org/10.1017/S0007114520003426 .		3.718
37	Xiao, G., Wang, H., Ma, J., Suter, D. (2021). Segmentation by continuous latent semantic analysis for multi-structure model fitting. <i>International Journal of Computer Vision</i> , 129(7), 2034-2056. https://doi.org/10.1007/s11263-021-01468-6 .		7.41
38	Le, H., Chin, T., Eriksson, A., Do, T., Suter, D. (2021). Deterministic Approximate Methods for Maximum Consensus Robust Fitting. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 43(3), 842-857. https://doi.org/10.1109/TPAMI.2019.2939307 .		16.389
39	Ilyas Z, Sharif N, Schousboe JT, Lewis JR, Suter D, Zulqarnain SG. Digital Image Computing: Techniques and Applications (DICTA)		NA
40	Connolly EL, Sim M, Travica N, Marx W, Beasy G, Lynch GS, Bondonno CP, Lewis JR, Hodgson JM, Blekkenhorst LC. Glucosinolates From Cruciferous Vegetables and Their Potential Role in Chronic Disease: Investigating the Preclinical and Clinical Evidence. <i>Frontiers in Pharmacology</i> . 2021;2964. https://dx.doi.org/10.3389/fphar.2021.767975		5.81
41	Palmer, C., Koch, H., Shinde, S., Blekkenhorst, L., Lewis, J., Croft, K., Hodgson, J., Sim, M. (2021). Development of a Vitamin K database for commercially available food in Australia. <i>Frontiers in Nutrition</i> , 8(December 2021), Article number 753059. https://doi.org/10.3389/fnut.2021.753059 .		6.576
42	Zhong L, Adu M, Lewis JR. 3D food printing 3D Food Printing: A Novel Tool for Nutrition and Sustainability Education at Schools. <i>SCIOS</i> . Volume 63, 14 September 2021.		NA
43	Bellinge JW, Francis RJ, Lee SC, Bondonno NP, Sim M, Lewis JR, Watts GF, Schultz CJ. The effect of vitamin K1 on arterial calcification activity in subjects with diabetes mellitus: a post hoc analysis of a double-blind, randomized, placebo-controlled trial. <i>The American Journal of Clinical Nutrition</i> . 2021 Oct 12. https://doi.org/10.1093/ajcn/nqab306		7.045





2021 Publications *cont.*

	Title	Q1 Journal	Impact Factor
44	Palmer CR, Bellinge JW, Dalgaard F, Sim M, Murray K, Connolly E, Blekkenhorst LC, Bondonno CP, Croft KD, Gislason G, Tjønneland A. Association between vitamin K1 intake and mortality in the Danish Diet, Cancer, and Health cohort. <i>European Journal of Epidemiology</i> . 2021 Sep 30:1-0. https://doi.org/10.1007/s10654-021-00806-9		8.082
45	Nicholl, A., Deering, K., Eveleigh, K., Lyons-Wall, P., Lawrence, D., Mori, T., Kratz, M., O'Sullivan, T. (2021). Whole-fat dairy products do not adversely affect adiposity or cardiometabolic risk factors in children in the Milky Way Study: a double-blind randomized controlled pilot study. <i>American Journal of Clinical Nutrition</i> , epub ahead of print (Oct), nqab288. https://doi.org/10.1093/ajcn/nqab288 .		7.045
46	Bernier-Jean, A., Prince, R., Lewis, J., Craig, J., Hodgson, J., Lim, W., Teixeira-Pinto, A., Wong, G. (2021). Dietary plant and animal protein intake and decline in estimated glomerular filtration rate among elderly women: a 10-year longitudinal cohort study. <i>Nephrology Dialysis Transplantation</i> , 36(9), 1640-1647. https://doi.org/10.1093/ndt/gfaa081 .		5.992
47	Zhong, L., Liu, A., Blekkenhorst, L., Bondonno, N., Sim, M., Woodman, R., Croft, K., Lewis, J., Hodgson, J., Bondonno, C. (2021). Development of a food composition database for assessing nitrate and nitrite intake from animal-based foods. <i>Molecular Nutrition and Food Research</i> , 2021(Article in Press), 38. https://doi.org/10.1002/mnfr.202100272 .		5.82
48	Blekkenhorst, L., Ride, K., Wallace, R., Eades, S., McAullay, D., Godrich, S. (2021). Healthy lifestyle initiatives for increasing fruit and vegetable intake among Aboriginal and Torres Strait Islander peoples: a rapid review. <i>Applied Physiology, Nutrition and Metabolism</i> . https://doi.org/https://doi.org/10.1139/apnm-2021-0076 .		2.665
49	Parmenter, B., Croft, K., Cribb, L., Cooke, M., Bondonno, C., Lea, A., McPhee, G., Komanduri, M., Nolidin, K., Savage, K., Pase, M., Hodgson, J., Stough, C., Bondonno, N. (2021). Higher habitual dietary flavonoid intake associates with lower central blood pressure and arterial stiffness in healthy older adults. <i>The British Journal of Nutrition: an international journal of nutritional science</i> , 2021(Article in Press), 11p.. https://doi.org/10.1017/S000711452100324X .		3.718
50	Bellinge, J., Francis, R., Lee, S., Bondonno, N., Sim, M., Lewis, J., Watts, G., Schultz, C. (2021). The effect of vitamin K1 on arterial calcification activity in subjects with diabetes mellitus; A post-hoc analysis of a double-blind randomized placebo-controlled trial. <i>American Journal of Clinical Nutrition</i> , 2021(Article in Press), 8p.. https://doi.org/10.1093/ajcn/nqab306 .		7.045
51	Schousboe, J., Langsetmo, L., Szulc, P., Lewis, J., Taylor, B., Kats, A., Vo, T., Ensrud, K. (2021). Joint Associations of Prevalent Radiographic Vertebral Fracture and Abdominal Aortic Calcification With Incident Hip, Major Osteoporotic, and Clinical Vertebral Fractures. <i>Journal of Bone and Mineral Research</i> , 36(5), 892-900. https://doi.org/10.1002/jbmr.4257 .		6.741

2021 Publications *cont.*

	Title	Q1 Journal	Impact Factor
52	Dalla Via, J., Owen, P., Daly, R., Mundell, N., Livingston, P., Rantalainen, T., Foulkes, S., Millar, J., Murphy, D., Fraser, S. (2021). Musculoskeletal Responses to Exercise Plus Nutrition in Men with Prostate Cancer on Androgen Deprivation: A 12-Month RCT. <i>Medicine and Science in Sports and Exercise</i> , 53(10), 2054-2065. https://doi.org/10.1249/MSS.0000000000002682 .		5.411
53	Daly, R., Dalla Via, J., Fyfe, J., Nikander, R., Kukuljan, S. (2021). Effects of exercise frequency and training volume on bone changes following a multi-component exercise intervention in middle aged and older men: Secondary analysis of an 18-month randomized controlled trial. <i>Bone</i> , 148(July 2021), Article number 115944. https://doi.org/10.1016/j.bone.2021.115944 .		4.398
54	Cardoso, B., Tan, S., Daly, R., Dalla Via, J., Georgousopoulou, E., George, E. (2021). Intake of Nuts and Seeds Is Associated with a Lower Prevalence of Nonalcoholic Fatty Liver Disease in US Adults: Findings from 2005–2018 NHANES. <i>The Journal of Nutrition</i> , 2021(Article in Press), 9p.. https://doi.org/10.1093/jn/nxab253 .		4.798
55	Wehrli, F., Taneri, P., Bano, A., Bally, L., Blekkenhorst, L., Bussler, W., Metzger, B., Minder, B., Glisic, M., Muka, T., Kern, H. (2021). Oat intake and risk of type 2 diabetes, cardiovascular disease and all-cause mortality: A systematic review and meta-analysis. <i>Nutrients</i> , 13(8), Article number 2560. https://doi.org/10.3390/nu13082560 .		5.43
56	Maisey, G., Cattani, M., Devine, A., Lo, J., Fu, SC., Dunican, I. (2021). Digging for data: How sleep is losing out to roster design, sleep disorders, and lifestyle factors. <i>Applied Ergonomics: human factors in technology and society</i> , 99(Feb 2022), Article number 103617. https://doi.org/https://doi.org/10.1016/j.apergo.2021.103617 .		3.661
57	Pinot de Moira, A., Haakma, S., Strandberg-Larsen, K., van Enckevort, E., Kooijman, M., Cadman, T., Cardol, M., Corpeleijn, E., Crozier, S., Duijts, L., Elhakeem, A., Eriksson, J. G., Felix, J. F., Fernández-Barrés, S., Foong, R. E., Forhan, A., Grote, V., Guerlich, K., Heude, B., Huang, R.-C., Järvelin, M.-R., Jørgensen, A. C., Mikkola, T. M., Nader, J. L. T., Pedersen, M., Popovic, M., Rautio, N., Richiardi, L., Ronkainen, J., Roumeliotaki, T., Salika, T., Sebert, S., Vinther, J. L., Voerman, E., Vrijheid, M., Wright, J., Yang, T. C., Zariouh, F., Charles, M.-A., Inskip, H., Jaddoe, V. W. V., Swertz, M. A., Nybo Andersen, A.-M., & for the LifeCycle Project, G. (2021). The EU Child Cohort Network's core data: establishing a set of findable, accessible, interoperable and re-usable (FAIR) variables. <i>European Journal of Epidemiology</i> , 36(5), 565-580. https://doi.org/10.1007/s10654-021-00733-9		8.082
58	Sim, M., Dalla Via, J., Scott, D., Lim, W., Hodgson, J., Zhu, K., Daly, R., Duque, G., Prince, R., Lewis, J. (2021). Creatinine to cystatin C ratio, a biomarker of sarcopenia measures and falls risk in community-dwelling older women. <i>Journal of Gerontology Series A: Biological Sciences and Medical Sciences</i> , 2021(Article in Press), 1-27. https://doi.org/10.1093/gerona/glab369 .		6.053
59	Fraser, SF., Gardner, JR., Dalla Via, J., Daly, RM. (2021). The Effect of Exercise Training on Lean Body Mass in Breast Cancer Patients: A Systematic Review and Meta-analysis. <i>Medicine and Science in Sports and Exercise</i> , 2021(Article in Press), 49p.. https://doi.org/10.1249/MSS.0000000000002792 .		5.411








2021 Publications *cont.*

	Title	Q1 Journal	Impact Factor
60	Min, J. L., Hemani, G., Hannon, E., Dekkers, K. F., Castillo-Fernandez, J., Luijk, R., Carnero-Montoro, E., Lawson, D. J., Burrows, K., Suderman, M., Bretherick, A. D., Richardson, T. G., Klughammer, J., Iotchkova, V., Sharp, G., Al Khleifat, A., Shatunov, A., Iacoangeli, A., McArdle, W. L., Ho, K. M., Kumar, A., Söderhäll, C., Soriano-Tárraga, C., Giralte-Steinhauer, E., Kazmi, N., Mason, D., McRae, A. F., Corcoran, D. L., Sugden, K., Kasela, S., Cardona, A., Day, F. R., Cugliari, G., Viberti, C., Guarrera, S., Lerro, M., Gupta, R., Bollepalli, S., Mandaviya, P., Zeng, Y., Clarke, T.-K., Walker, R. M., Schmoll, V., Czamara, D., Ruiz-Arenas, C., Rezwan, F. I., Marioni, R. E., Lin, T., Awaloff, Y., Germain, M., Aissi, D., Zwamborn, R., van Eijk, K., Dekker, A., van Dongen, J., Hottenga, J.-J., Willemsen, G., Xu, C.-J., Barturen, G., Català-Moll, F., Kerick, M., Wang, C., Melton, P., Elliott, H. R., Shin, J., Bernard, M., Yet, I., Smart, M., Gorrie-Stone, T., Shaw, C., Al Chalabi, A., Ring, S. M., Pershagen, G., Melén, E., Jiménez-Conde, J., Roquer, J., Lawlor, D. A., Wright, J., Martin, N. G., Montgomery, G. W., Moffitt, T. E., Poulton, R., Esko, T., Milani, L., Metspalu, A., Perry, J. R. B., Ong, K. K., Wareham, N. J., Matullo, G., Sacerdote, C., Panico, S., Caspi, A., Arseneault, L., Gagnon, F., Ollikainen, M., Kaprio, J., Felix, J. F., Rivadeneira, F., Tiemeier, H., van Ijzendoorn, M. H., Uitterlinden, A. G., Jaddoe, V. W. V., Haley, C., McIntosh, A. M., Evans, K. L., Murray, A., Räikkönen, K., Lahti, J., Nohr, E. A., Sørensen, T. I. A., Hansen, T., Morgen, C. S., Binder, E. B., Lucae, S., Gonzalez, J. R., Bustamante, M., Sunyer, J., Holloway, J. W., Karmaus, W., Zhang, H., Deary, I. J., Wray, N. R., Starr, J. M., Beekman, M., van Heemst, D., Slagboom, P. E., Morange, P.-E., Trégouët, D.-A., Veldink, J. H., Davies, G. E., de Geus, E. J. C., Boomsma, D. I., Vonk, J. M., Brunekreef, B., Koppelman, G. H., Alarcón-Riquelme, M. E., Huang, R.-C., Pennell, C. E., van Meurs, J., Ikram, M. A., Hughes, A. D., Tillin, T., Chaturvedi, N., Pausova, Z., Paus, T., Spector, T. D., Kumari, M., Schalkwyk, L. C., Visscher, P. M., Davey Smith, G., Bock, C., Gaunt, T. R., Bell, J. T., Heijmans, B. T., Mill, J., Relton, C. L., & Consortium, B. (2021). Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. <i>Nature Genetics</i> , 53(9), 1311-1321. https://doi.org/10.1038/s41588-021-00923-x		38.33
61	Woessner, M., Hiam, D., Smith, C., Lin, X., Zarekookandeh, N., Tacey, A., Parker, L., Landen, S., Jacques, M., Lewis, J., Brennan-Speranza, T., Voisin, S., Duque, G., Eynon, N., Levinger, I. (2021). Osteoglycin across the adult lifespan. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021(Article in press), 14p.. https://doi.org/10.1210/clinem/dgab861 .		5.958
62	Li, D., Li, H., Bauer, C., Hu, Y., Lewis, J., Xu, A., Levinger, I., Wang, Y. (2021). Lipocalin-2 variants and their relationship with cardio-renal risk factors. <i>Frontiers in Endocrinology</i> , 12(6 Dec 2021), Article number 781763. https://doi.org/https://doi.org/10.3389/fendo.2021.781763 .		5.555
63	Butcher, L., O'Sullivan, T., Ryan, M., Lo, J., Nyanjom, J., Wilkins, H., Devine, A. (2021). To dine in or not to dine in: A comparison of food selection and preparation behaviours in those with and without food security. <i>Health Promotion Journal of Australia</i> , 32(S2), 267-282. https://doi.org/10.1002/hpja.427 .		1.954
64	Forde, K., Costello, L., Devine, A., Sambell, R., Wallace, R. (2021). A multifaceted approach increased staff confidence to develop outside of school hours care as a health promoting setting. <i>BMC Public Health</i> , 21(15 December 2021), Article number 2286. https://doi.org/https://doi.org/10.1186/s12889-021-12360-w .		3.177
65	Sambell, R., Andrew, L., Devine, A., Darby, J., Beatty, S., Godrich, S. (2021). Opportunities to identify and develop people skills: What university students need early in their degree journey. <i>Journal of Teaching and Learning for Graduate Employability</i> , 12(2), 348-365.		NA

2021 Publications *cont.*

	Title	Q1 Journal	Impact Factor
66	Tan, D., Gilani, Z., Boutrus, M., Alvares, G., Whitehouse, A., Mian, A., Suter, D., Maybery, M. (2021). Facial asymmetry in parents of children on the autism spectrum. <i>Autism Research: official journal of the International Society for Autism Research</i> , 2021(Article in Press), 11p.. https://doi.org/10.1002/aur.2612 .		5.216
67	Feng, M., Gilani, Z., Wang, Y., Zhang, L., Mian, A. (2021). Relation Graph Network for 3D Object Detection in Point Clouds. <i>IEEE Transactions on Image Processing</i> , 30(2021), 92-107. https://doi.org/10.1109/TIP.2020.3031371 .		10.856
68	Boutrus, M., Gilani, Z., Maybery, M., Alvares, G., Tan, D., Eastwood, P., Mian, A., Whitehouse, A. (2021). Brief Report: Facial Asymmetry and Autistic-Like Traits in the General Population. <i>Journal of Autism and Developmental Disorders</i> , 51(6), 2115-2123. https://doi.org/10.1007/s10803-020-04661-7 .		4.291
69	Murphy, M., Glasgow, P., & Mosler, A. Self-reported measures of training exposure: can we trust them, and how do we select them? <i>Br J Sports Med.</i> 2021; 55(16), 891-892. https://doi.org/10.1136/bjsports-2021-104498		13.8
70	Murphy, M., Gibson, W., Moseley, G. L., & Rio, E. Are you translating research into clinical practice? What to think about when it doesn't seem to be working. <i>Br J Sports Med.</i> 2021; 55(12), 652-653. https://doi.org/10.1136/bjsports-2020-102369		13.8
71	Murphy, M., Rio, E., Chivers, P., Debenham, J., Docking, S., Travers, M., Gibson, W. Do people with unilateral mid-portion Achilles tendinopathy who participate in running-related physical activity exhibit a meaningful conditioned pain modulation (CPM) effect: a pilot study. <i>J Sci Med Sport.</i> 2021; 24(5), 441-447. https://doi.org/10.1016/j.jsams.2020.10.015		4.319
72	Murphy, M., Chivers, P., Mahony, K., & Mosler, A. Risk factors for dominant shoulder pain in elite female Australian cricket players: A prospective study. <i>Transl Sports Med.</i> 2020; 5, 404-414. https://doi.org/10.1002/tsm2.158		NA
73	Murphy, M., Gibson, W., Chivers, P., Docking, S., & Rio, E. Considerations for multi-centre conditioned pain modulation (CPM) research; an investigation of the inter-rater reliability, level of agreement and confounders for the Achilles tendon and Triceps Surae. <i>Br J Pain.</i> 2021; 15(1), 91-101. https://doi.org/10.1177/2049463720912208		1.213
74	Huang, R. C., Melton, P. E., Burton, M. A., Beilin, L. J., Clarke-Harris, R., Cook, E., Godfrey, K. M., Burdige, G. C., Mori, T. A., Anderson, D., Rauschert, S., Craig, J. M., Kobor, M. S., MacIsaac, J. L., Morin, A. M., Oddy, W. H., Pennell, C. E., Holbrook, J. D., & Lillycrop, K. A. (2021). Adiposity associated DNA methylation signatures in adolescents are related to leptin and perinatal factors. <i>Epigenetics</i> , 1-18. https://doi.org/10.1080/15592294.2021.1876297		4.528

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	Title	Q1 Journal	Impact Factor
75	Lafontaine, N., Campbell, P. J., Castillo-Fernandez, J. E., Mullin, S., Lim, E. M., Kendrew, P., Lewer, M., Brown, S. J., Huang, R.-C., Melton, P. E., Mori, T. A., Beilin, L. J., Dudbridge, F., Spector, T. D., Wright, M. J., Martin, N. G., McRae, A. F., Panicker, V., Zhu, G., Walsh, J. P., Bell, J. T., & Wilson, S. G. (2021). Epigenome-Wide Association Study of Thyroid Function Traits Identifies Novel Associations of fT3 With KLF9 and DOT1L. <i>The Journal of Clinical Endocrinology & Metabolism</i> , 106(5), e2191-e2202. https://doi.org/10.1210/clinem/dgaa975		5.958
76	Penova-Veselinovic, B., Melton, P. E., Huang, R. C., Yovich, J. L., Burton, P., Wijs, L. A., & Hart, R. J. (2021). DNA methylation patterns within whole blood of adolescents born from assisted reproductive technology are not different from adolescents born from natural conception. <i>Human Reproduction</i> , 36(7), 2035-2049. https://doi.org/10.1093/humrep/deab078		6.918
77	Wijs, L., Doherty, D., Keelan, J., Burton, P., Yovich, J., Beilin, L., Mori, T., Huang, R. C., Adams, L., Olynyk, J., Ayonrinde, O., & Hart, R. (2021). Markers of cardiometabolic health of adolescents conceived through assisted reproductive technologies (ART) appear reassuring. <i>Human Reproduction</i> , 36, 2-2. https://doi.org/10.1093/humrep/deab125.002		6.918
78	Ronkainen, J., Heiskala, A., Vehmeijer, F. O. L., Lowry, E., Caramaschi, D., Estrada Gutiérrez, G., Heiss, J. A., Hummel, N., Keikkala, E., Kvist, T., Kupsco, A., Melton, P. E., Pesce, G., Soomro, M. H., Vives-Usano, M., Baiz, N., Binder, E., Czamara, D., Guxens, M., Mustaniemi, S., London, S.J., Rauschert, S., Väärasmäki, M., Vrijheid, M., Ziegler, A.G., Annesi-Maesano, I., Bustamante, M., Huang, R.C., Hummel, S., Just, A.C., Kajantie, E., Lahti, J., Lawlor, D., Räikkönen, K., Järvelin, M.R., Felix, J.F., Sebert, S. (2021). Maternal haemoglobin levels in pregnancy and child DNA methylation: a study in the Pregnancy And Childhood Epigenetics Consortium. <i>Epigenetics</i> . https://doi.org/10.1080/15592294.2020.1864171		4.528
79	Bondonno, N., Dalgaard, F., Murray, K., Davey, R., Bondonno, C., Cassidy, A., Lewis, J., Kyro, C., Gislason, G., Scalbert, A., Tjønneland, A., Hodgson, J. (2021). Higher habitual flavonoid intakes are associated with a lower incidence of diabetes. <i>The Journal of Nutrition</i> , 151(11), 3533-3542. https://doi.org/10.1093/jn/nxab269		4.798
80	Carman, R., Andrew, L., Devine, A. (2021). The knowledge, attitudes and beliefs of midwives on the vaccination coverage rates in Perth's Aboriginal children. <i>BMC Public Health</i> , 21(1), Article number 1845. https://doi.org/https://doi.org/10.1186/s12889-021-11907-1		3.177
81	Jansons, P., Dalla Via, J., Daly, RM., Fyfe, JF., Gvozdenko, E., Scott, D. (2021). Delivery of Home-Based Exercise Interventions in Older Adults Facilitated by Amazon Alexa: A 12-week Feasibility Trial. <i>Journal of Nutrition, Health and Aging</i> , 2021(article in press), 7 pages. https://doi.org/10.1007/s12603-021-1717-0		4.075



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