CURRICULUM VITAE

Professor Nir Eynon, PhD
NHMRC Investigator Fellow, Group Leader
Australian Regenerative Medicine Institute (ARMI)
Monash University, Victoria, Australia
P: +61-451440796, E: nir.eynon@monash.edu
ORCID ID: http://orcid.org/0000-0003-4046-8276
Website: https://armi.org.au/about/our-people/nir-eynon/

ACADEMIC QUALIFICATION

2007-2010: **PhD** (***high distinction***), Faculty of Health Science, Porto University, Portugal.

CURRENT AND FORMER ACADEMIC APPOINTMENTS

2024-Ongoing **Fellow, European College of Sport Science**
2023-Ongoing Group Leader and Professor, Australian Regenerative Medicine Institute, Monash University, Australia
2023- 2026 Australian Research Council College of Experts Member
2021-2025 NHMRC Investigator Grant Fellow (Emerging Leader #2)
2020-Ongoing **Associate Editor, European Journal of Sport Science**
2018-2021 NHMRC Career Development Fellow (CDF Level #1)
2014- Group Leader, Genetics, Epigenetics and Exercise Lab Victoria University, Australia
2014–2016 ARC Discovery Early Career Research Award (DECRA) Fellow.
2014-2018 Senior Lecturer, Victoria University.
2012-2014 Postdoctoral Fellow, Victoria University, Australia.

AWARDS AND DISTINCTIONS

2024 **Australian Epigenetics Alliance Award** for Excellence in Science
2020 **Young Tall Poppy Award**, Australian Institute of Policy and Science
2018 Victoria University Vice-Chancellor's Peak Award for Excellence in Research
2013 Victoria University Vice Chancellor's Citation for Excellence in Research ECR

GRANT FUNDING (Selected, Overall ~$12 million, mostly lead CI in Australian Category-1)

- 2024-2026: **CIA Eynon N**, PI Voisin S, PI Teschendorff A. Sex-specific epigenetic atlas across lifespan. ARC Discovery Project Grant DP240102155**. $628,000**
- 2023-2025: **CIA Eynon N** . Uncovering sex-specific epigenetic aging molecules in response to exercise. *Hevolution/AFAR New Investigator Awards in Aging Biology and Geroscience Research. $**374,000 USD (580,000 AUS)***
- 2021-2026: **CIA Eynon N**. Uncovering sex specific, epigenetic biomarkers of healthy ageing for targeted exercise interventions. *NHMRC Investigator Grant (EL2) APP1194159* **$1,449,800**
- 2020-2022: **CIA Eynon N,** CIB Voisin S, CIC Lamon S, CID Leving I. Can exercise slow down the epigenetic ageing clock? *ARC Discovery Project Grant DP200101830* **$440,000**
- 2019-2021: **CIA Eynon N**, CIB Craig J, CIC Voisin S. Targeting the genome and the epigenome of the exercising skeletal muscle. *ARC Discovery Project Grant DP190103081* **$302,500**
- 2019: Lamon S, Aisbett B, **Eynon N**, Garnham A. Does endogenous testosterone determine athletic performance in females? *IOC Medical and Scientific Research Fund* **$53,000 USD**
- 2018-2021: **CIA Eynon N.** Discovering and targeting genes regulating skeletal muscle function, metabolism, and adaptations to exercise. *NHMRC Career Development Fellowship (**CDF#1 APP1140644**).* **$431,000**
- 2017-2019: Bishop DJ, **Eynon N**, Voisin S. Discovering 'combat genes' to help prepare the future soldier. *Defence Science Technology Group (DST), Human Performance Research Network (HPRnet)* **$576,000**
- 2014-2017: **CIA Eynon N**. Discovering the Effect of α-actinin-3 Deficiency on Muscle Adaptations to Exercise Training in Humans. *Australian Research Council Discovery Early Career Research Award (ARC DECRA, DE#140100864).* **$413,445**

TOP 5 PUBLICATIONS (Total peer-reviewed publications=125; h-index=59; i10 index=100; > 8200 citations)

Full list of publications: Nir Eynon – Outputs — Monash University

1. Voisin S, Seale K, Jacques…. Sharples AP, & **Nir Eynon*.** Exercise is associated with younger methylome and transcriptome profiles in human muscle. ***Aging Cell*** 2: e13859, 2024. *senior and corresponding author. top 1% most cited (Scopus), FWCI= 24.48, selected AGING CELL LEAD ARTICLE for a special edition.

2. Sarah Voisin… Steve Horvath, and **Nir Eynon***. An epigenetic clock for human skeletal muscle. ***Journal of Cachexia, Sarcopenia and Muscle*** 11: 887-898, 2020. Impact Factor= 12.9; Ranked 1/53 (Geriatrics & Gerontology). *senior and corresponding author. Top cited article in 2020-2021

3. Sarah Voisin…, Steve Horvath, and **Nir Eynon*.** Meta-analysis of genome-wide DNA methylation and integrative OMICs of age in human skeletal muscle. ***Journal of Cachexia, Sarcopenia and Muscle*** 12; 4:1064-1078, 2021. (Impact Factor= 12.9; Ranked 1/53 Geriatrics & Gerontology). *senior and corresponding author.

4. Kirsten Seale, Steve Horvath, Andrew Teschendorff, **Nir Eynon** *, and Sarah Voisin. Making Sense of the Ageing Methylome. ***Nature Reviews Genetics*** (IF=53.2; Ranked 1st in Genetics). *co-senior & corresponding author

5. Shanie Landen, Jacques M…Voisin S*, & Nir Eynon *. Sex differences in muscle protein expression and DNA methylation in response to exercise training. ***Biology of Sex Differences*** 5;14(1):56, 2023. Awarded BEST PAPER 2023. *senior and corresponding author.

ENGAGEMENT & IMPACT

Invited / keynote presentations:

I am a frequently invited/keynote speaker at influential national and international conferences (**> 60 invitations**), Including 2 recent **ECSS symposia (2023 Seville, 2022 Paris).**

Post-doc and student supervision:

I have supervised 10 Postdocs, 12 PhD/Masters students and 15 visiting students.

Leadership:

- I have organised and chaired five national and international symposiums and conferences, including Epigenetics 2021, and the Australian Physiological Society.
- Member of the Excellence in Research Australia (ERA) Division Expert Group at Victoria University.
- Head of Victoria University ECR mentoring program.
- Panel member and chair, HDR scholarship committee.
- Member of the Vice Chancellor award for Research (3 times) selection committee.

Outreach and media activities: Since 2013, I have been communicating my research to both scientist and the **general public.** I have also appeared in several television, newspaper, magazine and radio interviews.

Contributions to peer review:

- **Associate Editor:** BMC Genomics, Plos One (2015-19), European Journal of Sport Science (all Q1)
- **Review for Grant Agencies:**
- ARC (Reviewer)-ARC DP, Future Fellowships, ARC DECRA
- NHMRC GRP Assistant Chair, 2017, GRP Idea Grant Panel member, 2018, 2019, 2020, Investigator Grant (2021)
- Health Research Council of New Zealand (HRC)
- Princess Alexandra Hospital's PA Research Support Scheme, Queensland, Australia
- South African National Research Foundation (NRF)
- The Health Research Board (HRB), Ireland
- **Journal Reviewer (***Approximately 20 per annum)*

Nature Communications, Nature Communications, Cell Metabolism, J cachexia Sarcopenia & Muscle, BMC GENOMICS, Medicine and Science in Sport & Exercise, American Journal of Physiology, The Journal of Physiology, Journal of Applied Physiology, Physiological Genomics, Metabolism, Human Mutation, Sport Medicine, Scandinavian Journal of Medicine & Science in Sport