Curriculum Vitae - Daniel John GREEN

Personal details			
Full name	Professor Daniel Green		
Present position	Winthrop Professor		
Organisation/Employer	The University of Western Australia: 35 Stirling Hwy, Perth WA 6009		
Telephone	+61 8 6488 2361	Email	danny.green@uwa.edu.au

Academic Qualifications

1996 – PhD, The University of Western Australia
1990 – BSc(Hons), The University of Western Australia

Current and Previous Professional Appointments and Positions

2009- Winthrop Professor, School of Human Sciences (Sports Science, Exercise and Health), UWA
2015-20 Principal Research Fellow, National Health and Medical Research Council
2006-21 Professor Cardiovascular Physiology, Research Institute for Exercise Sciences, Liverpool JMU, UK
2004-06 Associate Professor, School Human Movement and Exercise Science, UWA
2002-08 Visiting Specialist in Clinical Exercise Physiology, Cardiac Transplant Unit, Royal Perth Hospital
2000-02 Senior Lecturer, School Human Movement and Exercise Science, UWA
1998-00 Visiting Scientist and Post-Doctoral Fellow, Mayo Clinic, Minnesota, USA
1998-02 Visiting Specialist in Exercise Physiology & Rehabilitation, Cardiology Department, Royal Perth Hospital
1997-00 Lecturer, Department of Human Movement, UWA
1994-97 Research Fellow, Department of Cardiology, Royal Perth Hospital
1991-92 British Council Visiting Research Scholarship, Dept Clinical Pharmacology, St George's Hospital, London.
1989-91 Tutor in Gross Anatomy, University of Western Australia

Awards and Honours

Chair, Scientific Board, International Olympic Committee Scientific Conference, Glasgow, 2012.
Chair, ESSA National Congress 2014. I secured ~$60K prize money for ECRs, and to fund travel for ECRs from SE Asia to attend the meeting. This left a legacy that fundamentally changed the conference.
Scientific Committee, European College Sport Sciences (ECSS) (2006–2016), of which I am a Fellow.
Scientific Committee, NHF Australia Physical Activity Committee (2011–2020).
Visiting Professorships: Distinguished International Professor, UBC, 2013, Visiting Professor, Deakin, 2011
Examined PhDs: Brunel, Liverpool John Moores, Radboud, Birmingham, Wits (SA), Monash, UQ, USyd, VU, Otago
Professorial promotion panels - Johns Hopkins, Kings, Birmingham, UBC, Oregon, Brunel, Otago, U Miss, U Colorado
Grant reviews: ~12/yr for ARC, NHMRC, Diabetes Aust, NHF, BHF, MRC, BBSRC, NHMRC, NHF, EU agencies
Journal reviews: *J Appl Physiol*, *EJAP*, *J Am Coll Cardiol*, *J Physiol*, *Circulation*, *MSSE*, *Clin Sci*, *Ex Sports Sci Review*
> 30 conference prizes: including American Heart Association, IOC Pre-Olympic Conference, World Congress of Cardiology, Exercise & Sports Science Australia, European Congress of Sports Sciences, Sports Medicine Australia, Cardiac Society of Australia and New Zealand, Dutch Physiological Society, American College of Sports Medicine.

Publications summary

Career: 389 refereed publications, H index 74 (Scopus), 21,374 cites, 88% in the top quartile, 5 HiCi's (top 1%).
Metrics: To overcome limitations of existing citation metrics, Ioannidis et al. developed a standardised, impartial and comprehensive database of the most cited scientists, by research field (doi 10.17632/btchxktzyw.3). This composite of citations, H-index, co-authorships, and first/last authorships, adjusts for self-citation and problems in other metrics. I am in the top 0.19% of CV scientists globally - evidence of exceptional performance in a highly competitive and broad field (192,000 CV scientists are listed). My 389 papers include Lancet, Circ, JACC, JCI, Physiol Rev. The FWCI of my top 10 papers is 14.2 (cited 1320% more than average). By metric analysis, I was the leading researcher in Australia in Physiology in 2023.

Research Grants and Fellowships - selected

Career: 79 competitive grants, $15.3million
35 Australian Category 1 Grants (CIA on 29 of these) – 11 NHMRC, 3 ARC, 21 NHF, Selected below:
2023 NHF: *Testing feasibility of using heat therapy as a new treatment for advanced Heart Failure,* $74,836
2023 Australia's Economic Accelerator: *Improving diabetes treatment with a point-of-care device,* $445,000
2022-23 Research Excellence Award, WA Future Health Research & Innovation Fund, $160,000
2021-23 NHMRC: *Identifying optimal age to apply physical activity interventions to improve heart health*, $852,804
2020-21 US Department of Defence: *Heat tolerance in humans: Understanding the responder/non-responder phenomenon and its implications for balancing force protection with operational capacity building,* $313,000
2020-21 WA Health Translation Network: *Community based education & exercise training in heart failure*, $249,789
2020 WA Dept Health: *Fast track competency using VR for emergency intubation and central line placement during the COVID-19 epidemic*, $39,395
2019-24 Research England: *i-CARDIO – International Collaboration Assessing novel health models*, $897,441
2019-22 NHMRC: *Exercise as medicine for Heart Failure: a novel intervention to improve outcomes*, $665,585

2019 NHF: *Does physical activity early in life have lasting effect on heart size, function & health?* $75,000
2018-21 NHMRC 1139974: *Can reducing sitting time influence sustained glycaemic control in middle-aged and older office workers with type 2 diabetes?* $1,367,212
2017-21 NHMRC 1126494: *Developmental origins of adult CVD: Vascular health in the Raine cohort*, $1,087,427
2017-19 Industry Linkage Nestle-UWA: *Effect of coffee polyphenol and coffee polyphenol hydrolysed extracts on vascular health outcomes*, $1,245,738
2016-18 ARC DP160104175: *Visualising vascular adaptation at the microscale in humans*, $481,200
2015-21 NHMRC 1080914: Principal Research Fellowship *(+1 year extension awarded),* $739,980
2014-16 NHMRC 1062338: *Does breaking up sitting time with activity improve cognitive function?* $569,000
2013-15 NHMRC 1045204: *Optimising health of the ageing brain*, $683,000
2013-15 ARC DP130103793: *Defining the direct effects of exercise on arterial adaptation in humans*, $339,000
2010-12 ARC DP1094124: *Impact of shear stress on vascular adaptation in humans*, $225,000
2010-11 NHF: *Optimising exercise and functional capacity in HF: A focus on skeletal muscle mechanics*, $129,000
2009-10 NHF: *Can exercise improve metabolic and vascular function in young high risk subjects with type 2 Diabetes*, $129,000
2006-07 NHF: *Optimising exercise prescription in chronic heart failure*, $120,000
2004-05 NHF: *Reversing vascular dysfunction in adolescents with obesity and type 2 diabetes*, $100,000
2002-04 NHMRC: *Vascular effects of exercise training & lipid-lowering therapy in hypercholesterolaemia*, $240,000
2002-04 NHMRC: *Improving functional capacity in chronic lung disease with respiratory muscle training*, $340,000.
1998-00 Ares-Serono Switzerland: *A parallel group, placebo-controlled, dose-ranging study of Serostim (recombinant HGH) for the treatment of patients with severe cardiac failure*, AU$1,000,000

Teaching and Mentoring

- 21 Postdocs (15 at UWA, 6 in Liverpool).
- 46 PhD students (13 current). UWA: 7 received Dean's listing.
- 20 Research Masters, including MSurg, M Prof Eng, MCEP, M Clin Sci.
- 34 Honours, two-thirds awarded first class.
- 7 mentees are now Profs, 13 Snr/Lecturers, 5 in esteemed postdocs (Harvard, Copenhagen, Dallas, Oxford, Deakin).
- **Editorial**: Physiol Soc, Exper Physiol; Clin Sci; MSSE
- **Reviewer**: NHMRC, ARC, NHF, BHF, MRC, BBSRC
- **Examined PhDs**: Birmingham, Copenhagen, Brunel, Monash, UQ, Usyd
- **Established** the Exercise and Sports Science Australia Cardiovascular Group, and Chaired the national conference, securing $60K for ECR prizes

Professional Service and Activities

POLICY/PRACTICE

- My research is cited in guidelines: American Heart Assoc (PMID19506108), Am Diabetes Assoc (16732040), and American College of Sports Medicine (21084931). All guide global health policy.
- Papers cited in 22 health policy documents of 15 countries in the last 10yr (SciVal): ACSM(US), NICE(UK), Publications Office (EU), Brazilian Cardiol Soc, NZ Ministry of Health, ANSES (France), Finland, Sweden
- The vascular software platforms I invented prompted invited guidelines for the Am Physiological Society and Eur Cardiology Society, both HiCi's
- I pioneered a new allied health profession (Accredited Exercise Physiologists AEPs) and established exercise physiology in tertiary hospitals. My leadership roles centred on research-informed-practice, accreditation standards, Chairing scientific and conference committees, and brokering international partnerships.
  There are now >7000 AEPs working under Medicare and the standards I developed are used in 29 Unis
- In the UK, I pioneered Clinical Exercise Physiology as an allied health profession, established a national register of practitioners, developed proficiency standards, and established a curriculum framework

PROFESSIONAL

- Chaired the Scientific Committee of the IOC Pre-Olympic Conference, Glasgow, the largest global sport science meeting, held every 4 years. A capstone honour
- Scientific committee, Eur Coll Sports Science
- Distinguished International Scholar UBC, Visiting Prof Deakin
- Professorial promotion panels - Johns Hopkins, Kings, Birmingham, University of British Columbia, University of Oregon, Brunel University, University of Otago, U Mississipi, U Colorado
- Established and Chaired a National CV Ex Sci Research Network

COMMUNITY/CONSUMER/INDUSTRY ENGAGEMENT

- I developed and patented software for arterial function imaging software (125 licences; used in 12 countries)
- Established the International Summer School for Ultrasound in CV Science and Medicine. I have now conducted 18 workshops worldwide (UK 8, Australia 5, Canada 4, Brazil 1), upskilling laboratory leaders from 12 countries
- Industry collaborations with Nestle, Ares-Serono, defence Force and others – see research grant listing.