

Prof. Glen Davison: Bio-sketch CV

Personal Information

Professor Glen Davison (PhD) is an experienced research-active lecturer and Chair in Sport & Exercise Sciences, specialising in Nutritional and Exercise Immunology. His main research interests focus on how the human immune system, including the gut, responds to endurance exercise, and the role of nutrition in mediating such responses. Prof. Davison holds Chartered Association of Sport & Exercise Sciences (CASES: formerly BASES) accreditation and Chartered Scientist (CSci) status.

Research

- Over 20 years of research experience in Exercise Physiology, Nutrition and Immunology
- PhD supervision: 15 completions; currently supervisor to 2 PhD Students and 1 MSc by research
- Over 60 publications and 8 book chapters.
- Examined 19 research students (7 as external): 17 PhD; 2 Masters by research.
- Selected recent publications of relevance are appended: Full publication list available via my Google Scholar listing
https://scholar.google.co.uk/citations?hl=en&user=RatStMIAAAAJ&view_op=list_works&sortby=pubdate

Recent research and enterprise income

Past and present funders include:

- Enzymatica AB, Sweden
- Pukka Herbs Ltd, UK
- Volac International Ltd.
- Osmio water Ltd., UK
- The Arthritic Association, UK

Leadership

- Head of School of Sport and Exercise Sciences, 2020 - 2024
- Director of Research, School of Sport & Exercise Sciences, University of Kent, 2018-2020
- Director of Graduate Studies, School of Sport & Exercise Sciences, University of Kent, 2015-18
- Co-ordinator and lead for the SSES Endurance Research Group (ERG), 2012-2018.

Teaching, administration and other responsibilities

- Lecturing, teaching, leading and co-ordinating various modules across a range of areas in Sport and Exercise Sciences, including Exercise Physiology, Exercise & Health, Sport & Exercise Nutrition, Applied Studies, Research Methods and Statistics, Laboratory Techniques and Dissertation supervision, Loughborough, Aberystwyth, Kent, 2002 – present
- Personal Tutoring of undergraduate and postgraduate students, 2002 – present

Other esteem indicators, awards and invitations

- **2020-present** Associate Editor: Medicine and Science in Sports and Exercise
- **2020-present** Full associate editor: Frontiers in Nutrition
- **2019-2021** Expert evaluator: la Caixa Foundation Postdoctoral Junior Leader Fellowships programme (and reappointed for **2024-2026**)
- **2018-present** board member: UK Society of Exercise Immunology
- **2018-present** editorial board member: Physiological Reports
- **2018-present** Guest associate editor: Frontiers in Physiology
- **2006-present** Over 30 invited lectures, invited talks and keynote research talks

Involvement in professional societies

- Fellow of the Higher Education Academy
- Member of the British Association of Sport and Exercise Sciences (BASES)
- Member of the European College of Sport Science (ECSS)
- Member of The Physiological Society
- Member of the International Society of Exercise Immunology (ISEI)
- Member (and board member) of UK Society of Exercise Immunology

Public engagement and media

- Event manager for the Medway-based Pint of Science (public engagement) events (2018-2020)
- Delivered a number of pieces for local and national media and appeared on several broadcasts (e.g. BBC radio Kent, BBC Southeast News, KMTV, national newspapers, sports magazines [e.g. Cycling weekly] and national television on the BBC).

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Selected (relevant) publications

Full lists available via: <https://www.researchgate.net/profile/Glen-Davison>
and: <https://scholar.google.co.uk/citations?user=RatStMIAAAAJ&hl=en&oi=sra>

- G Davison, C Chidley, AW Jones (2025). Rigorous methodological approaches to address knowledge gaps in exercise, nutrition, immunity, and infection risk research. *Physiological reports* 13 (14), e70479
- G Davison, M Schoeman, C Chidley et al. (2025). ColdZyme® reduces viral load and upper respiratory tract infection duration and protects airway epithelia from infection with human rhinoviruses. *The Journal of Physiology* 603(6), 1483–1501
- S Chantler, R Wood-Martin, A Holliday, G Davison, DR Crabtree et al (2024). The Frequency and Severity of Gastrointestinal Symptoms in Rugby Players. *International Journal of Sports Medicine* 45 (04), 323-221
- AW Jones, A Mironas, LAJ Mur, M Beckmann, R Thatcher, G Davison (2023). Vitamin D status modulates innate immune responses and metabolomic profiles following acute prolonged cycling. *European Journal of Nutrition* 62(7), 2977-2990.
- HB Ogden, JL Fallowfield, RB Child, G Davison, SC Fleming, SK Delves, et al. (2022). Acute L-glutamine supplementation does not improve gastrointestinal permeability, injury or microbial translocation in response to exhaustive high intensity exertional-heat stress. *European Journal of Sport Science* 22 (12), 1865-1876
- S Chantler, A Griffiths, P Phibbs, G Roe, C Ramírez-López, G Davison, et al (2022). The effect of rugby training on indirect markers of gut permeability and gut damage in academy level rugby players. *European Journal of Applied Physiology* 122 (12), 2545-2554
- E Perkins, G Davison (2022). Epstein–Barr Virus (EBV) DNA as a Potential Marker of in vivo Immunity in Professional Footballers. *Research Quarterly for Exercise and Sport* 93 (4), 861-868
- MJW Furber, GR Young, GS Holt, S Pyle, G Davison, MG Roberts, et al (2022). Gut microbial stability is associated with greater endurance performance in athletes undertaking dietary periodization. *Msystems* 7 (3), e00129-22
- S Chantler, A Griffiths, J Matu, G Davison, A Holliday, B Jones (2022). A systematic review: Role of dietary supplements on markers of exercise-associated gut damage and permeability. *PloS one* 17 (4), e0266379
- G Davison (2021). The Use of Bovine Colostrum in Sport and Exercise. *Nutrients* 13 (6), 1789
- G Davison, E Perkins, AW Jones, GM Swart, AR Jenkins, H Robinso et al. (2021). ColdZyme® mouth spray reduces duration of upper respiratory tract infection symptoms in endurance athletes under free living conditions. *European Journal of Sport Science* 21 (5), 771-780
- S Chantler, A Griffiths, J Matu, G Davison, B Jones, K Deighton (2021). The effects of exercise on indirect markers of gut damage and permeability: A systematic review & meta-analysis. *Sports Medicine* 51 (1), 113-124 59
- HB Ogden, JL Fallowfield, RB Child, G Davison, SC Fleming, SK Delves, et al. (2020). Influence of aerobic fitness on gastrointestinal barrier integrity and microbial translocation following a fixed-intensity military exertional heat stress test. *European Journal of Applied Physiology* 120, 2325-2337
- JH Hull, G Davison. Dealing with respiratory infection in athletes, in *Complete Guide to Respiratory Care in Athletes*, 132-146, 2020.
- AT Carswell, K Howland, B Martinez-Gonzalez, P Baron, G Davison. (2020). The effect of caffeine on cognitive performance is influenced by CYP1A2 but not ADORA2A genotype, yet neither genotype affects exercise performance in healthy adults. *European Journal of Applied Physiology* 120, 1495-1508
- G Davison, AW Jones, T Marchbank, RJ Playford (2020). Oral bovine colostrum supplementation does not increase circulating insulin-like growth factor-1 concentration in healthy adults: results from short- and long-term administration studies. *European journal of nutrition* 59, 1473-1479
- DS March, AW Jones, R Thatcher, G Davison. (2019). The effect of bovine colostrum supplementation on intestinal injury and circulating intestinal bacterial DNA following exercise in the heat. *European journal of nutrition* 58, 1441-1451
- AW Jones, DS March, R Thatcher, B Diment, NP Walsh, G Davison (2019). The effects of bovine colostrum supplementation on in vivo immunity following prolonged exercise: a randomised controlled trial. *European journal of nutrition* 58, 335-344
- G Davison, T Marchbank, DS March, R Thatcher, RJ Playford (2016). Zinc carnosine works with bovine colostrum in truncating heavy exercise–induced increase in gut permeability in healthy volunteers. *The American journal of clinical nutrition* 104 (2), 526-536