CURRICULUM VITAE

Jedd Pratt, PhD
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Nationality: Irish

QUALIFICATIONS:

2018-2022 **PhD** – *Neuromuscular Physiology*; University College Dublin, Ireland and University of Padova, Italy (joint supervision)

2017-2018 **MSc** – *Sport and Exercise Science*; University College Dublin; Ireland

2014-2017 **BSc** - *Health and Performance Science*; University College Dublin; Ireland

2022- **CSCS** - *Certified strength and Conditioning Specialist*, National Strength and Conditioning Association; United States of America

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CURRENT POSITION:

2023-present Senior Research Associate (Postdoctoral - Musculoskeletal Physiology); Manchester Metropolitan University, Manchester, UK
Researching dietary and exercise interventions to promote musculoskeletal and brain health

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PREVIOUS POSITIONS:

2022-2023 Research assistant; University of Padua, Padua, Italy

2017-2022 Clinical research assistant; Genuity Science, Dublin, Ireland

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TEACHING/SUPERVISION EXPERIENCE:

2023-present **Occasional lecturer:** *MSc Sports Nutrition*, *BSc Sport and Exercise Science,* and *BSc Health and Exercise Science*; Manchester Metropolitan University
Dissertation supervisor: *MSc Sports Nutrition* and *MSc Sport and Exercise Science;* Manchester Metropolitan University

2019-2023 **Lecturer, laboratory tutor, and module lead/coordinator**: *BSc Health and Performance Science* and *MSc Sports Physiotherapy;* University College Dublin

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GRANTS, AWARDS and HONOURS:

2025 **Balchem Corporation**: £120,000 - *Methylsulfonylmethane supplementation to support female knee health (Co-I)*

2025 **Winner of Experimental Physiology's Future Leaders Scheme 2026**

2024 **Winner of Early Career Researcher presentation**: *Physiology in Focus 2024,* July 2024, Newcastle, UK

2024 **Outstanding Original Research Paper Award** – *American Aging Association 52nd Annual Meeting*, June 2024, Wisconsin, USA

2018-2022 **PhD Scholarship**: £60,000 - Employment Based Postgraduate Programme, *Irish Research Council*

2025 **Invited external examiner for MSc theses on human nutrition and physiology***: The University of South Australia, Australia* and *Edith Cowan University, Australia*

SELECTION OF PUBLICATIONS (please see ORCID above for full history):
Total number of publications: 20 (started Dec 2019); 16 as 1st author; 17 (85%) in Q1
Total number of citations: >470; h-index: 10; field-weighted citation impact: 3.81

Pratt J, McStravick J, Kennerley AJ, et al. Intra and inter-session reliability and repeatability of 1^{H} magnetic resonance spectroscopy for determining total creatine concentrations in multiple brain regions. *Exp Physiol*. 2025; 110:464-477
Pratt J, Motanova E, Pessanha L, et al. Plasma C-terminal agrin fragment concentrations across adulthood: reference values and associations with skeletal muscle health. *J Cachexia Sarcopenia Muscle*. 2024; 15:1501-1510
Pratt J, Motanova E, Narici M, et al. Plasma brain-derived neurotrophic factor concentrations are elevated in community-dwelling adults with sarcopenia. *Age Ageing*. 2025; 54: afaf024
Pratt J, Acheson J, Lazaratou A, et al. Comparable amino acid & intramuscular signalling responses following consumption of a novel microflora compared to whey protein post-resistance exercise in young adults. *J Nutritional Physiol*. 2025; 1:100001
Pratt J, Narici M, Boreham C, et al. DXA derived body composition trajectories across adulthood: Reference values and associations with body roundness index and body mass index. *Clin Nutr*. 2025; 46:137-146
Pratt J, Pessanha L, Narici M, et al. Handgrip strength asymmetry as a new biomarker for sarcopenia and individual sarcopenia signatures. *Aging Clin Exp Res*. 2023; 35: 2563-2571
Pratt J, Whitton L, Ryan A, et al. Genes encoding agrin (AGRN) and neurotrypsin (PRSS12) are associated with muscle mass, strength and plasma C-terminal agrin fragment concentration. *GeroScience*. 2023; 1-14
Pratt J, De Vito G, Segurado R, et al. Plasma neurofilament light levels associate with muscle mass and strength in middle-aged and older adults: findings from GenoFit. *J Cachexia Sarcopenia Muscle*. 2022; 1811-1820
Pratt J, De Vito G, Narici M, et al. Grip strength performance from 9431 participants of the GenoFit study: normative data and associated factors. *GeroScience*. 2021; 43:2533-46
Pratt J, De Vito G, Narici M, et al. Plasma C-terminal agrin fragment as an early biomarker for sarcopenia: results from the GenoFit study. *J Gerontol A Biol Sci Med Sci*. 2021; 76:2090-6

SELECTION OF NATIONAL AND INTERNATIONAL PRESENTATIONS:
Pratt J, Mundell O, Henthorn L, et al. Acute effects of exercise on total creatine concentrations in multiple human brain regions. *European College of Sports Science*, 2025, Italy
Pratt J, Kennerley A, Sale C. [Invited] Considerations in assessing brain creatine. *Creatine Conference 2025*, 2025, Germany
Pratt J, Kennerley A, Sale C. Intra- and inter-session reliability and repeatability of proton magnetic resonance spectroscopy for quantifying total creatine levels in multiple human brain regions. *Physiology in Focus 2024*, 2024, UK
Pratt J, Dalla Via J, Sale C, et al. Apolipoprotein ε4 is associated with increased long-term risk for fall- and fracture-related hospitalisation: the Perth Longitudinal Study of Ageing Women. *European Calcified Tissue Society,* 2024, France
Pratt J, De Vito G, Pessanha L, et al. Physiological and genomic data support the neural contribution to sarcopenia: findings from GenoFit. *European College of Sports Science*, 2022, Spain