

Pascale KIPPELEN

Senior Lecturer in Applied Sport & Exercise Science

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ACADEMIC QUALIFICATIONS

PhD in Exercise & Respiratory Physiology, Montpellier University, France	2002
▪ Thesis title: <i>'Respiratory dysfunctions in athletes'</i>	
MSc in Sport & Exercise Sciences (Human Performance), Montpellier University, France	1999
BSc (Hons.) in Sport & Exercise Sciences (Human Performance), Strasbourg University, France	1998

PREVIOUS APPOINTMENTS

Reader in Exercise & Respiratory Physiology, Brunel University London	2020-2024
Senior Lecturer in Exercise & Respiratory Physiology, Brunel University London	2011-2020
Lecturer in Exercise & Respiratory Physiology, Brunel University London	2008-2011
Lecturer in Exercise Physiology, University of Aberdeen	2005-2008
Junior Lecturer in Exercise Physiology, Grenoble University, France	2004-2005
Hospital Scientist , Dept. Respiratory Medicine, Royal Prince Alfred Hospital, Sydney, Australia	2003-2004
Junior Lecturer in Exercise Physiology, Montpellier University, France	2002-2003

LEADERSHIP ROLES

Co-Director of the Centre for Physical Activity in Health and Disease , Brunel University	2022-2024
Deputy Divisional Lead , Division of Sport, Health and Exercise Sciences, Brunel University	2018-2022
Co-Director of Undergraduate Studies in Sport, Health and Exercise Sciences, Brunel University	2016-2020
Lead Supervisor of Doctoral Researchers: Dr H Marshall (2017-2020) Dr AJ Simpson (2007-2010) Dr C Bolger (2007-2010)	

EXTERNAL IMPACT & ESTEEM FACTORS

Fellow of the European College of Sport Science	2023-
Invited member of the European College of Sport Science Reviewing Panel	2021-
Invited member of the Committee in Sports & Allergy of the World Allergy Organization	2018-2020
Invited member of UK Anti-Doping Respiratory Steering Panel	2018-2020
Member of the Editorial Board of the <i>Br J Sports Med</i>	2011-2014
Associate Scientist to 'Invisible Dust' , a project funded by The Wellcome Trust	2011
▪ winner of the City of London 2012 Sustainability Award	
Invited member of the IOC – Medical Commission Independent Asthma Panel	2004-2010
Peer-reviewer of high impact indexed journals (incl. <i>Eur Respir J</i> , <i>Thorax</i> , <i>J Appl Physiol.</i>) and prestigious funding bodies (incl. Asthma+Lung UK, Leverhulme Trust, L'Oréal-UNESCO Women in Science)	

RECENT RESEARCH FUNDINGS

UK-RCIF, Research Capital Investment Fund for a pulmonary function / stress testing system	2023
£55,000 Lead Applicant	
Institute of Health, Medicine and Environments Seedcorn Funding , Brunel University London	2022
<i>'Integrative analysis of the effects of environmental heat on the respiratory health of older women: a feasibility study'</i> £5,850 Principal Investigator	
European Academy of Allergy & Clinical Immunology Expert Task Force <i>'The diagnosis and management of allergic and respiratory disease in sport'</i> £7,600 Co-applicant	2019
European Hydration Institute Graduate Research Grant <i>'Impact of exercise-induced dehydration on small airway function in the healthy active human'</i> £3,500 Supervisor	2015
Union of European Football Associations Research Grant <i>'Effects of creatine on the respiratory health of youth football players'</i> £15,500 Principal Investigator	2014

PROFESSIONAL AFFILIATIONS

British Thoracic Society	2017-
Physiological Society	2015-
▪ Society representative at Brunel University London	2017-2024
European College of Sport Science	2008-
American College of Sports Medicine	2007-2017
European Respiratory Society	2006-

RECENT CONFERENCE PRESENTATIONS

ECSS Annual Congress ‘ <i>Catching your breath – the air we breathe, the food we eat, and respiratory health</i> ’	2022
ECSS Annual Congress ‘ <i>Impact of dehydration and hyperthermia on pulmonary function and ventilatory responses to exercise</i> ’	2021
European Athletics High Performance Webinar Series ‘ <i>Asthma in athletes: what can we do?</i> ’	2021
ECSS Annual Congress ‘ <i>The lung during exercise: often overlooked, often misunderstood</i> ’	2019

INVITED BOOK CHAPTERS

Sue-Chu M & P Kippelen . Effects of Cold and Heat on the Lung, In Cotes JE <i>et al.</i> (7 th Ed.) <i>Cotes’ Lung Function</i>	2020
Kippelen P & Simpson A. Epidemiology and Pathophysiology of Exercise Induced Bronchoconstriction, In Dickinson J & Hull J (Eds.) <i>Total Airway Management for Athletes</i>	2020

Indexed peer-reviewed publications: n=41; **h-index:** 20; **citations:** 1,656 (source: Scopus, 03/09/24)

RECENT PUBLICATIONS

- Anderson, S.D., **Kippelen, P.** A proposal to account for the stimulus, the mechanism, and the mediators released in exercise-induced bronchoconstriction. *Frontiers in Allergy*. 2023; 4:1004170.
- Dickinson J, Gowers W, Sturridge S, Williams N, **Kippelen P**, Simpson A, Jackson A, Hull JH, Price OJ. Fractional exhaled nitric oxide in the assessment of exercise-induced bronchoconstriction: a multicentre retrospective analysis of UK-based athletes. *Scan J Med Sci Sports*. 2023; 33(7):1221-1230.
- González-Alonso G, Calbet JAL, Mora-Rodríguez R, **Kippelen P.** Pulmonary ventilation and gas exchange during prolonged exercise in humans: influence of dehydration, hyperthermia and sympathoadrenal activity. *Exp Physiol*. 2023; 108(2):188-206.
- Price OJ, Walsted ES, Bonini M, Brannan JD, Bougault V, Carlsen K-H, Couto M, **Kippelen P**, Moreira A, Pite H, Rukhadze M., Hull JH. Diagnosis and management of allergy and respiratory disorders in sport: An EAACI task force position paper. *Allergy: Eur J Allergy Clin Immunol*. 2022; 77(10): 2909-2923.
- Travers G, **Kippelen P**, Trangmar SJ, González-Alonso J. Physiological Function during Exercise and Environmental Stress in Humans—An Integrative View of Body Systems and Homeostasis. *Cells*. 2022, 11(3): 383.
- Marshall H, Gibson OR, Romer LM, Illidi C, Hull JH, **Kippelen P.** Systemic but not local rehydration restores dehydration-induced changes in pulmonary function in healthy adults. *J Appl Physiol (1985)*. 2021; 130(3):517-527.
- Brannan JD, **Kippelen P.** Bronchial Provocation Testing for the Identification of Exercise-Induced Bronchoconstriction. *J Allergy Clin Immunol Pract*. 2020; 8(7):2156-2164.
- Simpson AJ, Horne S, Sharp P, Sharps R, **Kippelen P.** Effect of Creatine Supplementation on the Airways of Youth Elite Soccer Players. *Med Sci Sports Exerc*. 2019; 51(8):1582-1590.
- Kippelen P**, Anderson SD, Hallstrand TS. Mechanisms and Biomarkers of Exercise-Induced Bronchoconstriction. *Immunol Allergy Clin North Am*. 2018; 38(2):165-182.
- Simpson AJ, Romer LM, **Kippelen P.** Exercise-induced dehydration alters pulmonary function but does not modify airway responsiveness to dry air in athletes with mild asthma. *J Appl Physiol (1985)*. 2017; 122(5):1329-1335.