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Qualifications

M.A., D.Phil. (Oxford) , FHEA

Research

- Human Physiology
- Control of Breathing
- Breath Holding
- Respiratory Sinus Arrhythmia
- Thermoregulation
- Exercise Physiology
- Hypocapnia and Brain Function
- Mechanical Ventilation & Mechanical Hyperventilation

His major research interest is in the control of breathing. His research has covered the control of breathing movements in utero and the initiation of breathing at birth. In adults his research has included the fundamental properties of neurones in the respiratory network, the effects of raising body temperature on the control of breathing, the breakpoint of breath-holding and the contribution of the central respiratory rhythm to respiratory sinus arrhythmia. This research is published in international journals of physiology and applied physiology as well as in international clinical journals and as a series of chapters in books.

Other activities

He acts as a referee for journals in physiology, sports science and psychology and a reader for publishers. He is a member of the Physiological Society and the American Physiological Society and is a Fellow of the Higher Education Academy.

Publications

* Contact Dr M.J.Parkes (**M.J.Parkes@Bham.ac.uk) and request a reprint. Remember to specify the particular publication required. (mailto:M.J.Parkes@Bham.ac.uk)**) and request a reprint. Remember to specify the particular publication required.

Julien, C., Parkes, M. J., et al.,, (2009). Comments on Point:Counterpoint: Respiratory sinus arrhythmia is due to a central mechanism vs. respiratory sinus arrhythmia is due to the baroreflex mechanism. Journal of Applied Physiology 106, 1745-1749.

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