

Dr Teresa Thomas PhD, BSc, PGCertLTHE

Senior Lecturer in Biomedical Sciences

Cardiovascular and Respiratory Sciences

Contact details

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About

Teresa Thomas is a senior lecturer in Biomedical Sciences, based in the School of Clinical and Experimental Medicine.

Her past research interests were centred on the control of the cardiovascular and respiratory systems. She has in the past received grants from British Heart Foundation, BBSRC and the Royal Society.

Teresa now concentrates solely on Teaching and Educational activities within the College. Her research interests are now in Pedagogical Research and she has several collaborative projects with other members of the College.

Qualifications

- School of Clinical & Experimental Medicine School prize for Excellence in Teaching and Supporting Student learning 2009
- Fellow of the Higher Education Academy 2007
- PGCert Learning & Teaching in Higher Education 2005
- PhD Physiology 1993
- BSc Biological Sciences 1990

Biography

Teresa Thomas qualified with a BSc (Hons) in Biological Sciences from the University of Birmingham in 1990. She went on to complete a PhD in the then Department of Physiology in 1993. Teresa then moved to the Royal Free Hospital (UCL) in London to join the Autonomic Neuroscience Institute for a postdoctoral position. During that time Teresa also held Visiting Research Fellowships at Monash University, Australia and Georg August University in Göttingen, Germany.

After receiving a British Heart Foundation Intermediate Fellowship Teresa returned to Birmingham to set up a research laboratory. She was awarded a lectureship with the University in 2000 and a senior lectureship in 2008.

Teaching

- MBChB
- BDS
- BMedSc

Teaching across subject areas but with particular expertise in cardiovascular and respiratory physiology, autonomic mechanisms and neuroscience. Module coordinator for Cardiovascular Science (MBChB 2), Cardiovascular & Respiratory Science (BMedSc 1) and Cardiovascular Science: Integrative Mechanisms (BMedSc 3). Delivery includes lectures, small group sessions, seminars, CAL packages and practicals (using Powerlab systems). Responsible for the delivery of Student Selected Activity (SSA) to MBChB. Involved in assessment on all programmes. Welfare tutor for BMedSc students. Plagiarism contact for BMedSc programme.

Research

CURRENT RESEARCH:

Teresa's main research focus is now in Teaching & Scholarship, specifically interested in methods of feedback and feed forward to students and issues surrounding plagiarism.

PREVIOUS RESEARCH:

The main emphasis of Teresa's laboratory research was the control of the cardiovascular and respiratory systems. Her research centred on chemoreceptor mechanisms and the role of purine neurotransmitters and neuromodulators in those control systems. She used a variety of neurophysiological and pharmacological techniques.

Other activities

- External lecturer for Coventry University

- Member of Higher Education Academy Benchmarking Student Feedback Special Interest Group
- Examiner & moderator for PGCert Learning & Teaching in Higher Education (CLAD)
- Member of PGCert Learning & Teaching in Higher Education programme Examination Board (CLAD)
- Mentor to PGCert Learning & Teaching in Higher Education programme candidates
- Academic mentor
- Member of Physiological Society Teaching Special Interest Group
- Member of BMedSc Curriculum Development Committee
- Member of MBChB Biological sciences Module Coordinators Committee
- Member of BMedSc Mitigations Panel

Publications

Gourine, AV, Llaudet, E., Thomas, T., Dale, N. & Spyer, K.M. (2002) Adenosine release in nucleus tractus solitarii does not appear to mediate hypoxia-induced respiratory depression in rats. **Journal of Physiology** **544**, 161-170. T., Dale, N. & Spyer, K.M. (2002) Adenosine release in nucleus tractus solitarii does not appear to mediate hypoxia-induced respiratory depression in rats. 544, 161-170

Dale, N., Gourine, A.V., Llaudet, E., Bulmer, D., Thomas, T. & Spyer K.M. (2002) Rapid adenosine release in the nucleus tractus solitarii during defence response in rats: real-time measurement in vivo. **Journal of Physiology** **544**, 149-160 T. & Spyer K.M. (2002) Rapid adenosine release in the nucleus tractus solitarii during defence response in rats: real-time measurement in vivo. 544, 149-160

Thomas, T., Ralevic, V., Bardini, M., Burnstock, G. & Spyer, K.M. (2001) Evidence for involvement of purinergic signalling in the control of respiration. **Neuroscience** **107**, 481 490

King, B.F., Townsend-Nicholson, A., Wildman, S.S., Thomas, T., Spyer, K.M. & Burnstock, G. (2000) Coexpression of rat P2X2 and P2X6 subunits in *Xenopus* oocytes. **Journal of Neuroscience** 20, 4871-7

Spyer, K.M. & Thomas, T. (2000) Sensing arterial CO₂ levels: a role for medullary P2X receptors. **Journal of the Autonomic Nervous System** 81, 228-35

Spyer, K.M. & Thomas, T. (2000) A role for adenosine in modulating cardio-respiratory responses: a mini-review. **Brain Research Bulletin** 53, 121-4

Thomas, T. & Spyer, K.M. (2000) ATP as a mediator of mammalian central CO₂ chemoreception. **Journal of Physiology (Rapid Report)** 523, 441-447

King, B.F., Townsend-Nicholson, A., Wildman, S.S., Thomas, T., Spyer, K.M. & Burnstock, G. (2000) Coexpression of rat P2X2 and P2X6 subunits in *Xenopus* oocytes. **Journal of Neuroscience** 20, 4871-7

