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Professor Doug Carroll

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About

Professor Carroll has an international reputation in Behaviour Medicine. His research group contributed substantially to the success of the School in the last RAE exercise. The School was joint top in their subject area in the UK.

Qualifications

BSc (University of Edinburgh)
PhD (Australian National University)

Biography

Following a BSc in Psychology at the University of Edinburgh, Professor Carroll completed his PhD at the Australian National University in Canberra. He was then a research fellow, lecturer and senior lecturer in the School of Psychology at the University of Birmingham. In 1990, he left to become Professor of Psychology and Head of the Department of Psychology at Glasgow Caledonian University, returning in 1995 to Birmingham to become Professor of Applied Psychology in the School of Sport and Exercise Sciences. He was Head of the School from 1998 to 2008.

Teaching

Professor Carroll contributes widely to both undergraduate and postgraduate teaching.

Postgraduate supervision

Professor Carroll has supervised over twenty PhD students to successful completion. In the last eight years, three of them have been awarded the University's Ratcliffe Prize as best postgraduate in Science.

Research

- Health Psychology
- Cardiovascular Psychophysiology
- Psychoneuroimmunology
- Exercise Psychology
- Behavioural Medicine

His major research interest are in Behavioural Medicine , Cardiovascular Psychophysiology, and Psychneuroimmunolgy. He has authored or edited five books, including Health Psychology: Stress, Behaviour and Disease and has published some 300 journal articles and book chapters. From 2000-6, Professor Carroll was the Editor of the British Journal of Health Psychology and also serves on the editorial board of Psychophysiology. He is a Fellow of the British Psychological Society and the Society of Behavioural Medicine (U.S.A.).

Publications

1. Carroll, D., Phillips, A.C. and Der, G. (2008). Body mass index, abdominal adiposity, obesity, and cardiovascular reactions to psychological stress in a large community sample. Psychosomatic Medicine, 70, 653-660.

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4. Burns, V.E., Edwards, K.M., Ring, C., Drayson, M. and Carroll, D. (2008). Complement cascade activation after an acute psychological stress task. Psychosomatic Medicine, 70, 387-396.

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6. Edwards, K.M., Burns, V.E., Adkins, A.E., Carroll, D., Drayson, M. and Ring, C. (2008). Meningococcal A vaccination response is enhanced by acute stress in men. Psychosomatic Medicine, 70, 147-151.

7. Gallagher, S., Phillips, A.C., Evans, P., Der, G., Hunt, K. and Carroll, D. (2008). Caregiving is associated with low secretion rates of immunoglobulin A in saliva. Brain, Behavior, and Immunity, 22, 565-572.

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Social Support is positively associated with the immunoglobulin M response to vaccination with pneumococcal polysaccarides. Biological Psychology, 78, 211-215.

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12. Phillips, A.C., Gallagher, S., Carroll, D. and Drayson, M. (2008). Preliminary evidence that morning vaccination is associated with an enhanced antibody response in men. Psychophysiology, 45, 663-666.

13. Phillips, A.C., Der, G., and Carroll, D. (2008). Stressful life events exposure is associated with 17-year mortality, but is health-related events that prove predictive. British Journal of Health Psychology, 13, 653-660.

14. Phillips, A.C., Der, G., and Carroll, D. (2009). Self-reported health and cardiovascular reactions to psychological stress in a large community sample: Cross-sectional and prospective associations. Psychophysiology, 46, 1020 - 1027.

15. Phillips, A.C., Gallagher, S., and Carroll, D. (2009) Social support, social intimacy, and cardiovascular reactions to acute psychological stress. Annals of Behavioral Medicine, 37, 38 – 45.

16. Sandoo, A., Toms, T., Veldhuijzen van Zanten, Carroll, D., and Kitas, G. (2009). Short-term effects of rituximab on flow-mediated dilatation may be mediated by intravenous glucocorticoids. Arthritis Care and Research, 61, 854-855.

17. Phillips, A.C., Gallagher, G., Hunt, K., Der, G., and Carroll, D. (2009). Symptoms of depression in non-routine caregivers: The role of caregiver strain and burden. British Journal of Clinical Psychology, 48, 335 - 346.

18. John, H., Treharne, G.J., Hale, E.D., Panoulas, V., Carroll, D., Kitas, G.D. (2009). Development and validation of a heart disease knowledge questionnaire for people with rheumatoid arthritis. Patient Education and Counselling, 77, 136-143.

19. Phillips, A.C., Batty, G.D., Gale, C.G., Deary, I.J., Osborn, D., MacIntyre, K., and Carroll, D. (2009). Generalised anxiety disorder, major depressive disorder, and their comorbidity as predictors of all-cause and cardiovascular mortality: the Vietnam Experience Study. Psychosomatic Medicine, 71, 395-403.

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23. Carroll, D., Phillips, A.C. and Balanos, G.N. (2009). Metabolically exaggerated cardiac reactions to acute psychological stress revisited. Psychophysiology, 46, 270 - 275.

24. Veldhuijzen van Zanten, J., Ring, C., Carroll, D., McIntyre, D., Brown, M.D., (2009). Hemoconcentration during a prolonged stress task: Associations with hemodynamic reactivity and microvascular permeability. Biological Psychology, 82, 260-266.

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32. Gallagher, S., Phillips, A.C., and Carroll, D (2010). Parental stress is associated with sleep quality in parents caring for children with developmental disabilities. Journal of Pediatric Psychology, 35, 727 - 737.

33. Khanfer, R, Phillips, A.C., Carroll, D. and Lord, J.M (2010). Altered human neutrophil function in response to acute psychological stress. Psychosomatic Medicine, 72, 636 - 640.

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35. Gale, C., R., Kivimaki, M., Lawlor, D.A., Carroll, D., Phillips, A.C., and Batty, G.D. (2010). Fasting glucose, diagnosis of type 2 diabetes and depression: the Vietnam Experience study. Biological Psychiatry, 67, 189-192.

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53. Heaney, J.L.J., Ginty, A. T., Carroll, D., and Phillips, A.C. (2011). Preliminary evidence that exercise dependence is associated with blunted cardiac and cortisol reactions to acute psychological stress. International Journal of Psychophysiology, 79, 323 – 329.

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Psychoneuroendocrinology

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69. Heaney, J.L.J., Phillips, A.C. & Carroll, D. (in press). Dehydroepiandrosterone, dehydroepiandrosterone sulphate and cortisol reactions to acute exercise in older adults in relation to exercise training status and sex. Age.

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