

Professor Derek M Peters



Professor of Sport, Health & Exercise Science

Institute of Sports & Exercise Science

Contact Details

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Qualifications

National Teaching Fellow (2008)

University of Worcester Senior Teaching Fellow
BASES Accredited Sport & Exercise Scientist (Interdisciplinary Research)
University College Worcester Teaching Fellow
Accredited Teacher in Higher Education
PhD: University of Exeter
BSc Hons. (1st Class): Human Movement Science, University of Liverpool

Teaching & Research

Visiting Professor: Lithuanian Academy of Physical Education, Kaunas, Lithuania
Visiting Professor: Faculty of Health & Sport, University of Agder, Norway

Editor-in-Chief: [Basketball Research](#)

Editor-in-Chief: [Graduate Journal of Sport, Exercise & Physical Education Research](#)

Editorial Advisory Board member: [Journal of Hospitality, Leisure, Sport & Tourism Education](#)

Editorial Advisory Board member: [Worcester Journal of Learning & Teaching](#)

Editorial Advisory Board member: [International Journal of Performance Analysis of Sport](#)

Editorial Advisory Board member: [Journal of Human Sport & Exercise](#)

Research Interests

Interdisciplinary investigation of sport performance
Physical activity & exercise for health
Childhood obesity and adipose tissue distribution

Professional Bodies

Association for the Study of Obesity (ASO)
Association of National Teaching Fellows
British Association of Sport and Exercise Sciences (BASES)
European College of Sport Science (ECSS)
Higher Education Academy (HE Academy)
National Obesity Forum (NOF)
Worcestershire Children's Healthy Weight Steering Group

Publications

Douglas, J.L., Price, M. & **Peters, D.M.** (in press) A systematic review of physiological fitness and biomechanical performance in quarian athletes. *Comparative Exercise Physiology*.

Wright, R.L., Robinson, P.D.R. & **Peters, D.M.** (2012) Lifetime adherence to physical activity recommendations and fall occurrence in communitydwelling older adults: a retrospective cohort study. *Journal of Human Sport & Exercise*, 7 (1): : 310-320.
doi: 10.4100/jhse.2012.71.09

- Upton, P., Taylor, C.E., **Peters, D.M.**, Erol R. & Upton, D. (2012) The effectiveness of local child weight-management programmes: an audit study. *Child: Care, Health & Development*. doi: 10.1111/j.1365-2214.2012.01378.x
- Routen, A.C., Upton, D., Edwards, M.G., & **Peters, D.M.** (2012) Intra-and inter-instrumental reliability of the Actiwatch 4 accelerometer in a mechanical laboratory setting. *Journal of Human Kinetics*, 31: 17-24.
- Routen, A., Edwards, M., Upton, D. & **Peters, D.M.** (2011) The impact of school-day variation in weight and height on National Child Measurement Programme BMI-determined weight category in Year 6 children. *Child: Care, Health & Development*, 37(3): 360-367. doi:10.1111/j. 1365-2214.2010.01204.x
- Høigaard, R., Fuglestad, S., **Peters, D.M.**, de Cuyper, B., De Backer, M. & Boen, F. (2010) Role satisfaction mediates the relation between role ambiguity and social loafing among elite woman handball players. *Journal of Applied Sport Psychology*, 22(4), 408-419.
- Upton, D., Upton, P., Bold, J. & **Peters, D.M.** (2010). Regional Evaluation of Weight Management Programmes for Children and Adults. Report to the Birmingham Women's NHS Foundation Trust.
- Jones, R.J.A., Marshall, S. & **Peters, D.M.** (2010) Can we play a game now? The intrinsic benefits of Teaching Games for Understanding. *European Journal of Physical & Health Education: Social & Humanistic Perspective*, 4, 57-64.
- Peters, D.M.** & Jones, R.J.A. (2010) Perceptions of the physical self of obese children held by future sport, exercise and physical education professionals. *Kinesiology: International Journal of Fundamental and Applied Kinesiology*, 42(1), 36-43.
- Benfield, L.L., **Peters, D.M.**, Fox, K.R., Blake, H., Wenyika, R., & Ness, A.R. (2009). Dual energy X-ray absorptiometry (DXA) estimation of children's abdominal adiposity measured by magnetic resonance imaging (MRI). *International Journal of Body Composition Research*, 7(4), 131–139.
- Caldwell, B. & **Peters, D.M.** (2009). Seasonal variations in the physiological fitness of semi-professional footballers. *Journal of Strength & Conditioning Research*, 23(5), 1370-1377.
- Jones, R.J.A., Polman, R.C.J. & **Peters, D.M.** (2009). Physical self-perceptions of adolescents in years 8, 9 and 10 in independent schools, state comprehensive schools and specialist sport colleges in England. *Physical Education & Sport Pedagogy*, 14(2), 109-124.
- Wright, R.L. & **Peters, D.M.** (2008). A heart rate analysis of the cardiovascular demands of elite level competitive polo. *International Journal of Performance Analysis of Sport*, 8(2), 76-81.
- Høigaard, R., Jones, G.W. & **Peters, D.M.** (2008). Preferred coach leadership behaviour in elite football in relation to success and failure. *International Journal of Sports Science & Coaching*, 3(2), 241-250.
- Peters, D.M.**, Jones, G.W. & Peters, J.D. (2008). Preferred 'learning styles' in students studying sports related programmes in Higher Education in the United Kingdom. *Studies in Higher Education*, 33(2), 155-166.
- Benfield, L., Fox, K.R., **Peters, D.M.**, Blake, H., Rogers, I., Grant, C. & Ness, A. (2008). Magnetic resonance imaging of abdominal adiposity in a large cohort of British children. *International Journal of Obesity*, 32, 91-99.
- Peters, D.M.** & Jarrett, H. (2007). Evaluation of the National Step-O-Meter Programme. Report to Natural England & the Department of Health.
- Peters, D.M.**, Jones, G.W. & Peters, J.D. (2007). Approaches to studying, academic achievement and autonomy in students on sports related programmes in higher education. *Journal of Hospitality, Leisure, Sport & Tourism Education*, 6(2), 16-28.
- Peters, D.M.** & Marshall, J.J. (2006). Evaluation of the South Worcestershire Walking Network. Report to the South Worcestershire Walking Network / Worcestershire PCT.
- Jones, GW, Mackay, KS. & **Peters, D.M.** (2006). Participation motivation in martial artists in the west midlands region of England. *Journal of Sports Science & Medicine*, Combat Sports Special Issue, 28-34.
- Hamar, P., **Peters, D.M.**, van Berlo K., & Hardman, K. (2006) "Physical Education and Sport in Hungarian Schools after the Political Transition of the 1990s". *Kinesiology: International Journal of Fundamental and Applied Kinesiology*, 38(1), 86-93.
- Brambilla, P., Bedogni, G., Moreno, L.A., Goran, M.I., Gutin, B., Fox, K.R., **Peters, D.M.**, Barbeau, P., De Simone, M., and Pietrobelli, A. (2006) Cross-validation of anthropometry against magnetic resonance imaging for the assessment of visceral and subcutaneous adipose tissue in children. *International Journal of Obesity*, 30, 23-30.
- Jarrett, H., **Peters, D.M.** & Robinson, P.D. (2004). 'Evaluation report of the Walking the way to Health Initiative 2003 'Step-o-meter Loan Pack Campaign'. Report submitted to the Countryside Agency and Department of Health.

Jones, G.W., **Peters, D.M.** & Donovan, M. (2004). Critical evaluation of the impact of the 'bonus point' scoring system on the final pool positions in the 2003 Rugby World Cup. *Manuscripts of the World Congress of Performance Analysis of Sport VI*. ISBN:1 901288 00 9.

Peters, D.M., Jarrett, H. & Robinson, P.D. (2003). 'Evaluation report of the Walking the way to Health Initiative 2002 'Step-o-meter Campaign'. Report submitted to the Countryside Agency and Department of Health.

Fox, K.R., **Peters, D.M.**, Sharpe, P. & Bell, M. (2000). Assessment of abdominal fat development in young adolescents using magnetic resonance imaging. *International Journal of Obesity*, 24, 1653-1659.

Peters, D.M. (1994). Body fatness and fat distribution in children and adolescents - cause for concern? *British Journal of Physical Education*, 25 (2), 18-19.

Peters, D.M., Fox, K.R., Armstrong, N., Sharpe, P. & Bell, M. (1994). Assessment of body fat and body fat distribution in 11-year-old children using magnetic resonance imaging, hydrostatic weighing, skinfolds and anthropometry. *American Journal of Human Biology*, 6 (2), 237-243.

Fox, K.R., Page, A., **Peters, D.M.**, Armstrong, N. & Kirby, B. (1994). Dietary restraint and fatness in early adolescent girls and boys. *Journal of Adolescence*, 17, 149-161.

Peters, D.M. & Eston, R.G. (1993). Prediction and measurement of frame size in young adult males. *Journal of Sports Sciences*, 11, 9-15.

Fox, K.R., **Peters, D.M.**, Armstrong, N., Sharpe, P. & Bell, M. (1993). Abdominal fat deposition in 11-year-old children. *International Journal of Obesity*, 17 (1), 11-16.

External Responsibilities

Peer Reviewer for:

[Applied Psychophysiology & Biofeedback](#)

[Child: Care, Health & Development](#)

[Economic & Social Research Council](#)

[European Journal of Sport Science](#)

[Health Education Research](#)

[International Journal of Sports Science & Coaching](#)

[International SportMed Journal](#)

[Journal of Physical Activity & Health](#)

[Journal of Science & Medicine in Sport](#)

[Journal of Sport Science & Medicine](#)

[Journal of Sports Sciences](#)

Taylor & Francis - Routledge

Chair of Organising Committee & Scientific Committee member: World Congress of Performance Analysis of Sport IX, August 2012, University of Worcester, England

Current Postgraduate Research Student Supervision

The effectiveness of pedometer strategies for increasing physical activity in 10-11 year old children - Ashley Routen (PhD)

The human physiological demands of Event riding and the development of rider strength and conditioning programmes - Jenni-Louise Johnson (MPhil/PhD)

Inter-relationships between team cohesion, collective efficacy and social loafing - Gareth Jones (PhD)

A psychological approach to predicting membership retention in the fitness industry - Helen Watts (PhD)

Physical fitness, technical skills, tactical awareness and psychological profiles in elite youth basketball - Sigita Mostaviciute (MPhil)

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