

Dr Rachel Wright BSc MSc PhD

Research Fellow

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About

Rachel Wright is a Postdoctoral Research Fellow working in the Sensory Motor Neuroscience research group. Her work involves motion capture to analyse aspects of human movement and balance control. Her current research is funded by The Stroke Association and investigates auditory cueing in walking and stepping.

Qualifications

Ph.D. (Worcester/ Coventry) M.Sc. (Gloucestershire) B.Sc. (Liverpool)

Biography

I studied Physiology and Human Movement Science where my early research interests were in sport research. My interest shifted towards biomechanics and health populations and I completed a Ph.D. investigating differences between fallers and non-fallers in the older adult population. I joined the University of Birmingham in 2009.

Teaching

Posture and Balance

Research

Research Interests

Gait analysis and rehabilitation, stability during movement, falls prevention, physical activity and health

Other activities

Rachel is a member of the International Society for Posture and Gait Research and the International Society of Biomechanics.

Publications

Wright RL, Masood A, MacCormac ES, Pratt D, Sackley CM & Wing AM (2013), **Metronome cued stepping in place after hemiparetic stroke: Comparison of a one and two tone beat** (<http://www.hindawi.com/isrn/rehabilitation/2013/157410/>), ISRN Rehabilitation, Article ID 157410, 1-5

Wright RL, Peters DM, Robinson PDR, Sitch AJ, Watt TN & Hollands MA (2012), **Differences in axial segment reorientation during standing turns predict multiple falls in older adults** (<http://www.sciencedirect.com/science/article/pii/S0966636212001579>), Gait & Posture, 36(3), 541-545

Martin L, Lambeth-Mansell A, Beretta-Azevedo L, Holmes LA, Wright R & St Clair Gibson A (2012), **Even between-lap pacing despite high within-lap variation during mountain biking** (<http://www.ncbi.nlm.nih.gov/pubmed/22356809>), International Journal of Sports Physiology & Performance, 7(3), 261-270

Wright RL, Robinson PDR & Peters DM (2012), **Lifetime adherence to physical activity recommendations and fall occurrence in community-dwelling older adults: A retrospective cohort study** (<http://rua.ua.es/dspace/handle/10045/21764>), Journal of Human Sport & Exercise, 7(1), 310-320

Giachritsis C, Wright R, and Wing A (2010), The contribution of proprioceptive and cutaneous cues in weight perception: Early evidence for maximum-likelihood integration, Lecture Notes in Computer Science, 6191, 11-16

Wright RL & Peters DM (2008), A heart rate analysis of the cardiovascular demands of elite level competitive polo, International Journal of Performance Analysis in Sport, 8(2), 76-81

Wright RL, Wood D & James DVB (2007), Effect of starting cadence on sprint performance indices in friction-loaded cycle ergometry, International Journal of Sports Physiology & Performance, 2(1), 22-3