

## Publications

- ☺ Physical activity, sedentary behaviour and the risk of overweight and obesity in school aged children. Keane E, Li X, Harrington JM, Fitzgerald AP, Perry IJ, Kearney PM. **Pediatric Exercise Science** 2017 p1-27  
<http://journals.humankinetics.com/doi/abs/10.1123/pes.2016-0234>
- ☺ Longitudinal associations between changes in screen-time and mental health outcomes in adolescents. Babic MJ, Smith JJ, Morgan PJ, Eather N, Plotnikoff RC, Lubans DR. **Mental Health and Physical Activity** 2017 vol 12 pp124-131  
<http://linkinghub.elsevier.com/retrieve/pii/S1755296616300862?showall=true>
- ☺ A feasibility study into the measurement of physical activity levels of adults with intellectual disabilities using accelerometers and the International Physical Activity Questionnaire. Dairo YM, Collett J, Dawes H. **British Journal of Learning Disabilities** 2017;45:129-137  
<http://onlinelibrary.wiley.com/wol1/doi/10.1111/bld.12188/full>
- ☺ Bipolar disorder, a rhythmopathy induced by dopamine system dysregulation. Mantere O, Storch KF, Buyukkurt A, Courchesne C. **Bipolar Disorders** May 2017 Abstract Vol 19, Issue S1 p38-39 <http://onlinelibrary.wiley.com/doi/10.1111/bdi.2112477/full>
- ☺ Agreement and reliability of fasted and oral glucose tolerance test-derived indices of insulin sensitivity and beta cell function in boys. Cockcroft EJ, Williams CA, Jackman SR, Armstrong N, Barker AR. **Int J Sports Med.** 2017 <https://www.thieme-connect.de/DOI/DOI?10.1055/s-0043-104932>
- ☺ Assessment of physical activity of hospitalised older adults: A systematic review. Lim SER, Ibrahim K, Sayer AA, Roberts HC. **J of Nutrition, Health and Aging.** 2017 pp1-10  
<https://link.springer.com/article/10.1007/s12603-017-0931-2>
- ☺ Validity of consumer-based physical activity monitors for estimating energy expenditure in youth. Blythe A, Crouter SE, LaMunion SR. **University of Tennessee** Honors Thesis project May 2017  
[http://trace.tennessee.edu/cgi/viewcontent.cgi?article=3146&context=utk\\_chanhonoproj](http://trace.tennessee.edu/cgi/viewcontent.cgi?article=3146&context=utk_chanhonoproj)
- ☺ The impact of an m-Health financial incentives program on the physical activity and diet of Australian truck drivers. Gilson ND, Pavey TG, Wright ORL, Vandelanotte C, Duncan MJ, Gomersall S, Trost SG, Brown WJ. **BMC Public Health** 2017 17:467  
<https://bmcpubhealth.biomedcentral.com/articles/10.1186/s12889-017-4380-y>
- ☺ Feasibility, acceptability and efficacy of a web-based computer-tailored physical activity intervention for pregnant women-the Fit4Two randomised controlled trial. M Hayman, P Reaburn, M Browne, C Vandelanotte, S Alley, CE Short. **BMC Pregnancy and Childbirth.** March 2017

- ☺ A single bout of high-intensity interval exercise and work-matched moderate-intensity exercise has minimal effect on glucose tolerance and insulin sensitivity in 7-to 10 year old boys. EJ Cockcroft, CA Williams, SR Jackman, S Bassi, N Armstrong, AR Barker. **J of Sport Sci.** Feb 2017 <http://www.tandfonline.com/doi/abs/10.1080/02640414.2017.1287934>
- ☺ Physical activity throughout adolescence and HbA1c in early adulthood: birth cohort study PM Nakamura, GI Mielke, BL Horta, MC Assunção, H Gonçalves, AMB Menezes, FC Barros, U Ekelund, S Brage, FC Wehrmeister, IO Oliveira, PC Hallal. **J of Phys Act and Health.** Jan 2017 (AoPrint). <http://journals.humankinetics.com/doi/abs/10.1123/jpah.2016-0245>
- ☺ Measuring sedentary behaviors in patients with idiopathic pulmonary fibrosis using wrist-worn accelerometers. C Atkins, M Baxter, A Jones, A Wilson - **The Clinical Respiratory Journal**, 2017 <http://onlinelibrary.wiley.com/doi/10.1111/crj.12589/full>
- ☺ Physical activity levels objectively measured among older adults: a population-based study in a Southern city of Brazil VV Ramires, FC Wehrmeister, AW Böhm, L Galliano, U Ekelund, S Brage, ICM da Silva- **International Journal of Behavioral Nutrition and Physical Activity** Feb 2017 <https://ijbnpa.biomedcentral.com/articles/10.1186/s12966-017-0465-3>
- ☺ Levels and sociodemographic correlates of accelerometer-based physical activity in Irish children: a cross-sectional study. X Li, PM Kearney, E Keane, JM Harrington, AP Fitzgerald - **Journal of Epidemiology and Community Health**, Jan 2017 <http://jech.bmj.com/content/early/2017/01/27/jech-2016-207691>
- ☺ Experiences of remote mood and activity monitoring in bipolar disorder: A qualitative study KEA Saunders, AC Bilderbeck, P Panchal, LZ Atkinson, JR Geddes, GM Goodwin - **European Psychiatry**, March 2017 [http://www.europsy-journal.com/article/S0924-9338\(16\)30171-7/pdf](http://www.europsy-journal.com/article/S0924-9338(16)30171-7/pdf)
- ☺ Mixing Online Panel Data Collection with Innovative Methods. A Scherpenzeel - 2017 **Methodische Probleme von Mixed-Mode-Ansätzen in der Umfrageforschung** Part of the series Schriftenreihe der ASI - Arbeitsgemeinschaft Sozialwissenschaftlicher Institute pp 27-49. Book Chapter (Munich Centre for Economics of Ageing) [http://link.springer.com/chapter/10.1007/978-3-658-15834-7\\_2](http://link.springer.com/chapter/10.1007/978-3-658-15834-7_2)
- ☺ Large Scale Population Assessment of Physical Activity Using Wrist Worn Accelerometers: The UK Biobank Study. A Doherty, D Jackson, N Hammerla, T Plötz, P Olivier, MH Granat, T White, VT van Hees, MI Trenell, CG Owen, SJ Preece, R Gillions, S Sheard, T Peakman, S Brage, NJ Wareham **PLOS ONE**, Feb 2017 <http://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0169649&type=printable>
- ☺ Sleep, alertness and alertness management among commercial airline pilots on short-haul and long-haul flights M Sallinen, M Sihvola, S Puttonen, K Ketola, A Tuori, M Härmä, G Kecklund, T Åkerstedt- **Accident Analysis & Prevention**, Volume 98, January 2017, Pages 320–9 <http://www.sciencedirect.com/science/article/pii/S0001457516303888>

- ☺ Applications of provenance in performance prediction and data storage optimization. S Woodman, H Hiden, P Watson - **Future Generation Computer Systems**, Jan 2017 <http://www.sciencedirect.com/science/article/pii/S0167739X17300213>
- ☺ Comparison of linear and non-linear models for predicting energy expenditure from raw accelerometer data. AHK Montoye, M Begum, Z Henning, KA Pfeiffer - **Physiological Measurement**, Jan 2017 <http://iopscience.iop.org/article/10.1088/1361-6579/38/2/343/meta>
- ☺ Physical Activity throughout Adolescence and Cognitive Performance at 18 Years of Age. I Esteban-Cornejo, PC Hallal, GI Mielke, AM Menezes, H Gonçalves, F Wehrmeister, U Ekelund, AJ Rombaldi- **MSSE**, 2015 <http://europepmc.org/articles/pmc4563921>
- ☺ Learning approach for classification of GENEActiv accelerometer data for unique activity identification. A Dutta, O Ma, MP Buman, DW Bliss. 2016 **IEEE International Conference Wearable and Implantable Body Sensor Networks** <http://ieeexplore.ieee.org/abstract/document/7516288/>
- ☺ Validation of the Phillips et al. GENEActiv accelerometer wrist cut-points in children aged 5–8 years old. MJ Duncan, S Wilson, J Tallis, E Eyre. **Eur J of Pediatrics**. Dec 2016 vol 175 <https://link.springer.com/article/10.1007/s00431-016-2795-6>
- ☺ Wrist accelerometer cut-points for classifying sedentary behavior in children. CMT van Loo, AD Okely, MJ Batterham, T Hinkley, U Ekelund, B Søren and JJ Reilly, SG Trost, RA Jones, X Janssen, DP Cliff, **MSSE** 2016
- ☺ Multi-sensor actigraphic long-lasting monitoring in healthy subjects. A Fugazza. 2016 **THESIS** Milano <https://www.politesi.polimi.it/handle/10589/122782>
- ☺ Intermittent walking, but not standing, improves postprandial insulin and glucose relative to sustained sitting: A randomised cross-over study in inactive middle-aged men. RM Pulsford, J Blackwell, M Hillsdon, K Kos. Aug 2016. **J of Sci and Med in Sport** <http://www.sciencedirect.com/science/article/pii/S1440244016301554>
- ☺ A double-blind randomized controlled trial to assess the effect of bright light therapy on depression in patients with Parkinson's disease. S Rutten, C Vriend, JH Smit, HW Berendse, AW Hoogendoorn, OA van den Heuvel and YD van der Werf **BMC Psychiatry** Oct 2016 <https://bmcp psychiatry.biomedcentral.com/articles/10.1186/s12888-016-1050-z>
- ☺ Objectively-measured physical activity in children is influenced by social indicators rather than biological lifecourse factors: Evidence from a Brazilian cohort. AG Knuth, ICM Silva, VT van Hees, K Cordeira, A Matijasevich, A Barros, I Satosb, U Ekelund, PC Hallal. **Preventative Medicine** vol 97 April 2017 <http://www.sciencedirect.com/science/article/pii/S0091743516304546>

- ☉ Balanced: a randomised trial examining the efficacy of two self-monitoring methods for an app-based multi-behaviour intervention to improve physical activity. MJ Duncan, C Vandelanotte, SG Trost, AL Rebar, N Rogers, NW Burton, B Murawski, A Rayward, S Fenton and WJ. Brown. **BMC Public Health** 2016  
<https://bmcpublihealth.biomedcentral.com/articles/10.1186/s12889-016-3256-x>
  
- ☉ Objectively measured physical activity of extreme early and late maturing girls. LB Sherar, SP Cumming, DH Bodicoat, RT Edwards, CL Edwardson, T Gorely, DM Harrington, K Harrington, K Khunti, T Plekhanova, AV Rowlands, T Yates, MJ Davies. **Pediatric Exercise Science**. 2016 Supplement, Vol. 28, p26-26. 1/2p.  
<http://web.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=08998493&AN=120431774&h=230LAF%2fhGQvPjmRsa3x7e5m7d5hWnUUHkl%2f812sK1Rk%2bneviVsfjJKjEhBTG%2bhaWd0tvKVfEiY03gB7Pob0X%2bA%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d08998493%26AN%3d120431774>
  
- ☉ P-50 The impact of stretching and massage therapy on pain and function of females suffering carpal tunnel syndrome. S Salehi, M Bohlouli, FM Shahpar, MP Esfahani, FA LAhiji, H Aslani - ABSTRACT 2016 - **bjbm.bmj.com** [http://bjbm.bmj.com/content/50/Suppl\\_1/A59.2](http://bjbm.bmj.com/content/50/Suppl_1/A59.2)
  
- ☉ Acute effects on cognitive performance following bouts of standing and light-intensity physical activity in a simulated workplace environment. SL Mullane, MP Buman, ZS Zeigler, NC Crespo, GA Gaesser. **J Sci and Med in Sport** 2016 [http://www.jsams.org/article/S1440-2440\(16\)30215-8/abstract](http://www.jsams.org/article/S1440-2440(16)30215-8/abstract)
  
- ☉ Poor parental sleep and the reported sleep quality of their children. H Rönnlund, M Elovainio, I Virtanen, J Matomäki. H Lapinleimu. **Pediatrics**, 2016  
[http://pediatrics.aappublications.org/content/early/2016/03/22/peds.2015-3425?utm\\_source=TrendMD&utm\\_medium=TrendMD&utm\\_campaign=Pediatrics\\_TrendMD\\_0](http://pediatrics.aappublications.org/content/early/2016/03/22/peds.2015-3425?utm_source=TrendMD&utm_medium=TrendMD&utm_campaign=Pediatrics_TrendMD_0)
  
- ☉ Comparing patterns of sedentary behaviour and physical activity accumulation between Sedentary, Ambulator, and Active Couch Potato older adults. D Ryan, CI Morse, GK Stebbings, GK Stewart, GL Pearson. **Physiology** 2016 (The proceedings of the Phys Soc) POSTER  
<http://www.physoc.org/proceedings/abstract/Proc%20Physiol%20Soc%2037PCB171>
  
- ☉ Simultaneous validation of five activity monitors for use in adult populations. C Powell, BP Carson, KP Dowd, AE Donnelly. **Scandinavian J of Med & Sci in Sports**. Nov 2016  
<http://onlinelibrary.wiley.com/doi/10.1111/sms.12813/full>
  
- ☉ Intensity Thresholds on Raw Acceleration Data: Euclidean Norm Minus One (ENMO) and Mean Amplitude Deviation (MAD) Approaches. K Bakrania, T Yates, AV Rowlands, DW Eslinger, S Bunnewell, H Sanders, M Davies, K Knunti, CL Edwardson. **PLoS one**, 2016  
<http://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0164045&type=printable>

- ☺ Evaluation of raw acceleration sedentary thresholds in children and adults. M Hildebrand, BH Hansen, VT van Hees, U Ekelund. **Scandinavian Journal of Medicine & Sci in Sports** Nov 2016 <http://onlinelibrary.wiley.com/doi/10.1111/sms.12795/full>
- ☺ Changes in physical activity after bariatric surgery: using objective and self-reported measures. S Afshar, K Seymour, SB Kelly, S Woodcock, VT van Hees, JC Mathers. **Surgery for Obesity and Related Diseases**. Sept 2016  
<http://www.sciencedirect.com/science/article/pii/S1550728916306980>
- ☺ Active School Lesson Breaks Increase Daily Vigorous Physical Activity, But Not Daily Moderate to Vigorous Physical Activity in Elementary School Boys. AN Wilson, T Olds, K Lushington, S Parvazian, J Dollman. **Pediatric Exercise Science**. 2016  
<http://journals.humankinetics.com/doi/pdf/10.1123/pes.2016-0057>
- ☺ Comparing Gaussian Mixture Model and Hidden Markov Model to Classify Unique Physical Activities from Accelerometer Sensor Data. A Dutta, O Ma, M Toledo, MP Buman, DW Bliss. **Machine Learning and Applications**. 2016  
<http://ieeexplore.ieee.org/abstract/document/7838166/>
- ☺ 'Walk This Way'—a pilot of a health coaching intervention to reduce sedentary behaviour and increase low intensity exercise in people with serious mental illness: a study protocol for a randomised controlled trial. J Williams, B Stubbs, F Gaughran, T Craig - **Trials**, 2016  
<https://trialsjournal.biomedcentral.com/articles/10.1186/s13063-016-1660-2>
- ☺ Periodicity intensity for indicating behaviour shifts from lifelog data. F Hu, A Smeaton - The IEEE International Conference on **Bioinformatics and Biomedicine 2016** International Workshop on Biomedical and Health Informatics, 15-18 Dec. 2016,  
<http://doras.dcu.ie/21469/>
- ☺ Comparing different sleep diaries with activity tracker data. J Klein **Master Thesis**, Utrecht 2016 <https://dspace.library.uu.nl/handle/1874/341681>
- ☺ Pineal volume and evening melatonin in young people with affective disorders. JS Carpenter, AC Abelmann, SN Hatton, R Robillard, DF Hermens, MR Bennett, J Lagopoulos, IB Hickie. **Brain Imaging and Behavior**. Nov 2016  
<https://link.springer.com/article/10.1007/s11682-016-9650-2>
- ☺ Wrist-worn accelerometer measures of movement by people with Parkinson's attending dance classes at the University of Hertfordshire. R Hadley, P Lovatt, L Annett – **Parkinson's UK Conference** Nov 2016 Poster  
[http://researchprofiles.herts.ac.uk/portal/files/10653767/Rebecca\\_Hadley\\_Parkinson\\_s\\_UK\\_conference\\_Nov\\_2016.pdf](http://researchprofiles.herts.ac.uk/portal/files/10653767/Rebecca_Hadley_Parkinson_s_UK_conference_Nov_2016.pdf)
- ☺ Wrist-independent energy expenditure prediction models from raw accelerometer data. AHK Montoye, JM Pivarnik, LM Mudd, S Biswas, KA Pfeiffer – **Physiological Measurement** Sept 2016 <http://iopscience.iop.org/article/10.1088/0967-3334/37/10/1770/meta>

- ☺ The effect of percutaneous coronary intervention on habitual physical activity in older patients SJ Charman, VT van Hees, L Quinn, JR Dunford, B Bawamia, M Veerasamy, MI Trenell, DG Jakovljevic, V Kunadian. **BMC Cardiovascular Disorders**. Dec 2016  
<https://bmccardiovascdisord.biomedcentral.com/articles/10.1186/s12872-016-0428-7>
- ☺ Community-based Rehabilitation Training after stroke: protocol of a pilot randomised controlled trial (ReTrain). SG Dean, L Poltawski, A Forster, RS Taylor, A Spencer, M James, R Allison, S Stevens, M Norris, AI Shepherd, R Calitri. **BMJ open**, 2016  
<http://bmjopen.bmj.com/content/bmjopen/6/10/e012375.full.pdf>
- ☺ Estimation of Physical Activity Energy Expenditure during Free-Living from Wrist Accelerometry in UK Adults. T White, K Westgate, NJ Wareham, S Brage. **PloS one**, 2016  
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0167472>
- ☺ Wearable Monitoring for the Detection of Nocturnal Agitation in Dementia. AC Marcén, J Carro, V Monasterio – 2016 **PEC 2016 - International Conference on Pervasive and Embedded Computing** <http://denis.usj.es/wp-content/plugins/papercite/pdf/marcen2016.pdf>
- ☺ Accelerometer-based determination of gait variability in older adults with knee osteoarthritis. CA Clermont, JM Barden. **Gait & Posture**, 2016  
<http://www.sciencedirect.com/science/article/pii/S0966636216305008>
- ☺ Sleep and its effect on food related self-control. IEM van Hooijdonk – 2016 **Master Thesis** Utrecht <https://dspace.library.uu.nl/handle/1874/341680>
- ☺ Accelerometer-Based Step Regularity Is Lower in Older Adults with Bilateral Knee Osteoarthritis. JM Barden, CA Clermont, D Kobsar, O Beauchat. **Frontiers in Human Neuroscience**. Dec 2016 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5143349/>
- ☺ I keep a close watch on this heart of mine: increased interoception in insomnia. Y Wei, JR Ramautar, MA Colombo, D Stoffers, G Gómez-Herrero, W P van der Meijden, B H W Te Lindert, Y D van der Werf, EJW Van Someren **Sleep** Dec 2016 39 (12) 2113-2124  
<https://academic.oup.com/sleep/article-abstract/39/12/2113/2706343/I-Keep-a-Close-Watch-on-This-Heart-of-Mine?redirectedFrom=fulltext>
- ☺ Towards automated symptoms assessment in mental health. M Osipov 2016 PhD submission. **University of Oxford** <http://www.robots.ox.ac.uk/~davidc/pubs/thesisMO.pdf>
- ☺ Exploring the relationship between patterns of physical activity, sedentary behaviour and cardiometabolic health in middle-aged Irish adults. C Dillon. PhD thesis 2016 **University College Cork**  
<https://cora.ucc.ie/bitstream/handle/10468/3310/Christina%20Dillon%20PhD%20Thesis%202016.pdf?sequence=1&isAllowed=y>
- ☺ Raw accelerometer data analysis with GGIR R-package: Does accelerometer brand matter? Rowlands AV, Yates T, Davies M, Khunti K, Edwardson CL. **MSSE**. (2016) April epub ahead of print.

- ☺ Moving forward with backward compatibility: translating wrist accelerometer data. Rowlands AV, Cliff DP, Fairclough SJ, Boddy LM, Olds TS, Parfitt G, Noonan RJ, Downs SJ, Knowles ZR, Beets MW. **MSSE** (2016) June
  
- ☺ Scaling-up an efficacious school-based physical activity intervention: Study protocol for the 'Internet-based Professional Learning to help teachers support Activity in Youth (iPLAY) cluster randomized controlled trial and scale-up implementation evaluation. Lonsdale C, Sanders T, Cohen Parker P, Noetel M, Hartwig T, Vasoncellos D, Kirwan M, Morgan P, Salmon J, Moodie M, McKay H, Bennie A, Plotnikoff R, Cinelli RL, Greene D, Peralta LR, Cliff DP, Kolt GS, Gore JM, Gao L, Lubans, DR. **BMC Public Health** (2016) 16:873  
<http://bmcpublihealth.biomedcentral.com/articles/10.1186/s12889-016-3243-2>
  
- ☺ Cultural adaptation of a children's weight management programme for Bangladeshi and Pakistani families in the UK: a cluster-randomised feasibility study protocol. Pallan M, Griffin T, Lancashire E, Hurley K, Blissett J, Frew E, Gill P, Griffith L, Hemming K, Jolly K, McGee E, Mulhern C, Parry J, Thompson JL, Adab P. **Pilot and Feasibility Studies** 2016. 2(48)  
[http://download.springer.com/static/pdf/495/art%253A10.1186%252Fs40814-016-0089-4.pdf?originUrl=http%3A%2F%2Fpilotfeasibilitystudies.biomedcentral.com%2Farticle%2F10.1186%2Fs40814-016-0089-4&token2=exp=1474985867~acl=%2Fstatic%2Fpdf%2F495%2Fart%25253A10.1186%252Fs40814-016-0089-4.pdf\\*~hmac=3abe844b6f50b724c5e741f50898d2cdfb9e589dd13198088709ab1777e61ed9](http://download.springer.com/static/pdf/495/art%253A10.1186%252Fs40814-016-0089-4.pdf?originUrl=http%3A%2F%2Fpilotfeasibilitystudies.biomedcentral.com%2Farticle%2F10.1186%2Fs40814-016-0089-4&token2=exp=1474985867~acl=%2Fstatic%2Fpdf%2F495%2Fart%25253A10.1186%252Fs40814-016-0089-4.pdf*~hmac=3abe844b6f50b724c5e741f50898d2cdfb9e589dd13198088709ab1777e61ed9)
  
- ☺ Balanced: a randomized trial examining the efficacy of two self-monitoring methods for an app-based multi-behaviour intervention to improve physical activity, sitting and sleep in adults. Duncan MJ, Vandelanotte C, Trost SG, Rebar AL, Rogers N, Burton NW, Murawski B, Rayward A, Fenton S, Brown W. **BMC Public Health** 2016 16:670  
<http://bmcpublihealth.biomedcentral.com/articles/10.1186/s12889-016-3256-x>
  
- ☺ Intervention to reduce recreational screen-time in adolescents: Outcomes and mediators from the 'switch-off 4 healthy minds (S4HM) cluster randomized controlled trial. Babic MJ, Smith JJ, Morgan PJ, Lonsdale C, Plotnikoff RC, Eather N, Skinner G, Baker AL, Pollock E, Lubans DR. **Preventive Medicine** 2016. Jul 26;91:50-57  
[http://linkinghub.elsevier.com/retrieve/pii/S0091-7435\(16\)30190-6](http://linkinghub.elsevier.com/retrieve/pii/S0091-7435(16)30190-6)
  
- ☺ Comparison of activity type classification accuracy from accelerometers worn on the hip, wrists, and thigh in young, apparently healthy adults. Montoye AHK, Pivarnik JM, Mudd LM, Biswas S, Pfeiffer KA. **Measurement in Physical Education and Exercise Science**. 2016. Vol 20 pp173-183  
<http://www.tandfonline.com/doi/full/10.1080/1091367X.2016.1192038?scroll=top&needAccess=true>
  
- ☺ A school-based intervention incorporating smartphone technology to improve health-related fitness among adolescents: rationale and study protocol for the NEAT and ATLAS 2.0 cluster randomized controlled trial and dissemination study. Lubans DR, Smith JJ, Peralta LR, Plotnikoff RC, Okely AD, Salmon J, Eather N, Dewar DL, Kennedy S, Lonsdale C, Hilland TA, Estabrooks, Finn TL, Pollock E, Morgan PJ. **BMJ Open** 2016 6:e010448  
<http://bmjopen.bmj.com/content/6/6/e010448.full>

- ☺ Number of Days required to estimate habitual activity using wrist-worn GENEActiv Accelerometer: A cross-sectional study. Dillon CB, Fitzgerald AP, Kearney PM, Perry IJ, Rennie KL, Kozarski R, Phillips CM. **PLoSone** May 2016  
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0109913>
- ☺ Field evaluation of a random forest activity classifier for wrist-worn accelerometer data. Pavey TG, Gilson ND, Gomersall SR, Clark B, Trost SG. **J of Sci and Med in Sport**. 2016 ahead of print. [http://www.jsams.org/article/S1440-2440\(16\)30108-6/fulltext](http://www.jsams.org/article/S1440-2440(16)30108-6/fulltext)
- ☺ Accelerometer wear-site detection: When one site does not suit all, all of the time. Rowlands AV, Olds TS, Bakrania K, Stanley RM, Parfitt G, Eston RG, Yates T, Fraysse F. **J Sci and Med in Sport** 2016 [http://www.jsams.org/article/S1440-2440\(16\)30062-7/pdf](http://www.jsams.org/article/S1440-2440(16)30062-7/pdf)
- ☺ A novel inexpensive use of smartphone technology for ecological momentary assessment in middle-aged women. Ehlers DK, HUberly J, Buman M, Hooker S, Tod M, de Vreede GJ. **J Phys Act Health** 2016 Mar;13(3):262-8 <http://journals.humankinetics.com/jpah-back-issues/jpah-volume-13-issue-3-march/a-novel-inexpensive-use-of-smartphone-technology-for-ecological-momentary-assessment-in-middle-aged-women>
- ☺ Validity and reliability of sleep time questionnaires in children and adolescents: A systematic review and meta-analysis. Nascimento-Ferraira MV, Collese TS, de Moraes ACF, Rendo-Urteaga T, Moreno LA, Carvalho HB. **Sleep Medicine Reviews**. 2016  
<http://www.sciencedirect.com/science/article/pii/S1087079215001574>
- ☺ The influence of a home-based exercise intervention on human health indices in individuals with chronic spinal cord injury (HOMEX-SCI): study protocol for a randomized controlled trial. Nightingale TE, Walhin JP, Turner JE, Thompson D, Bilzon JLJ. **Trials** 17:284  
[http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4898470/pdf/13063\\_2016\\_Article\\_1396.pdf](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4898470/pdf/13063_2016_Article_1396.pdf)
- ☺ Fuel for Fun: a cluster – randomized controlled study of cooking skills, eating behaviours and physical activity of 4<sup>th</sup> graders and their families. Cunningham-Sabo L, Lohse B, Smith S, Browning R, Strutz, Nigg C, Balgopal, Kelly K, Ruder E. **BMC Public Health** 2016; 16:444  
<http://www.ncbi.nlm.nih.gov/pubmed/27230565>
- ☺ A protocol to encourage accelerometer wear in children and young people. McCann DA, Knowles ZR, Fairclough SJ, Graves LEF. **Qualitative Res in Sport, Ex and Health**. 2016 vol 8, issue 4 <http://www.tandfonline.com/doi/pdf/10.1080/2159676X.2016.1160949>
- ☺ A systematic review and meta-analysis of workplace intervention strategies to reduce sedentary time in white-collar workers. Chu AHY, Ng SHX, Tan CS, Win AM, Koh D, Müller-Riemenschneider F. **Obesity Reviews** 2016 17(5)467-481  
<http://onlinelibrary.wiley.com/doi/10.1111/obr.12388/abstract>
- ☺ Validation and comparison of Accelerometers worn on the hip, thigh and wrists for measuring physical activity and sedentary behaviour. Montoye AHK, Pivarnik JM, Mudd LM, Biswas S, Pfeiffer KA. **AIMS Public Health** 2016 3(2)298-312  
<http://www.aimspress.com/fileOther/PDF/aimsph/publichealth-03-00298.pdf>



- ☺ Assessing daily physical activity in older adults: unraveling the complexity of monitors, measures and methods. Schrack JA, Cooper R, Koster A, Shiroma EJ, Murabito JM, Rejeski WJ, Ferrucci L, Harris TB. **J Gerontol A Biol Sci Med Sci**. 2016 71(8):1039 -48  
<http://biomedgerontology.oxfordjournals.org/content/71/8/1039.long>
- ☺ Sleep to the beat: A nap favours consolidation of timing. Verweij IM, Onuki Y, Van Someren EWJ. **Behav Neurosci** 2016 Jun;130-(3):298-304.  
<http://psycnet.apa.org/journals/bne/130/3/298/>
- ☺ Switchbox Leiden: study design and data collection. Jansen SW, Akintola AA, Oei NY, Pijl H, Roelfsema F, Westendorp RG, van der Grond J, van Heemst D. 2016 Chapter 2 of Thesis p24-30. **University of Leiden**  
[https://openaccess.leidenuniv.nl/bitstream/handle/1887/37577/Jansen\\_Thesis\\_Final\\_thesis\\_10\\_1\\_16.pdf?sequence=4#page=24](https://openaccess.leidenuniv.nl/bitstream/handle/1887/37577/Jansen_Thesis_Final_thesis_10_1_16.pdf?sequence=4#page=24)
- ☺ Selection and Validation of biosensors for a novel healthcare environment. Schettler JR. Masters Thesis, **University of Oklahoma**. 2016 <https://shareok.org/handle/11244/34635>
- ☺ Revisiting self-regulatory techniques to promote physical activity in older adults: Null findings from a randomized controlled trial. Warner LM, Wolff JK, Ziegelmann JP, Schwarzer R, Wurm S. **Psychology and Health** 2016.  
<http://www.tandfonline.com/doi/abs/10.1080/08870446.2016.1185523>
- ☺ The reliability of a single protocol to determine endothelial, microvascular and autonomic functions in adolescents. Bond B, Williams CA, Barker AR. **Clin Physiol Funct Imaging**. 2016 Epub ahead of print. <http://www.ncbi.nlm.nih.gov/pubmed/27004991>
- ☺ An internet-based physical activity intervention to improve quality of life of inactive older adults: a randomized controlled trial. Broekhuizen K, de Gelder J, Wijsman CA, Wijsman LW, Westendorp RGJ, Verhagen E, Slagboom PE, de Craen AJ, van Mechelen W, van Heemst D, van der Ouderaa F, Mooijaart ne. **J Med Internet Res** 2016 18(4):e74  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4917725/>
- ☺ The potential benefits of Zumba Gold® in people with mild-moderate Parkinson's: feasibility and effects of dance styles and number of sessions. Delextrat A, Bateman J, Esser P, Targen N, Dawes H. **Complementary Therapies in Medicine** 2016 27:68-73  
<http://www.sciencedirect.com/science/article/pii/S0965229916300620>
- ☺ Atividade física, tempo de tela a utilização de medicamentos em adolescentes: coorte de nascimentos de Pelotas, Rio Grande do Sul, Brasil, 1993. Bergmann GG, Bertolde AD, Mielke GI et al. 2016. **Cadernos de Saude Publica**  
[http://www.scielo.org/scielo.php?script=sci\\_abstract&pid=S0102-311X2016000400708&lng=p&tlng=p](http://www.scielo.org/scielo.php?script=sci_abstract&pid=S0102-311X2016000400708&lng=p&tlng=p)
- ☺ Impaired perception of biological motion in Parkinson's Disease. Jaywant A, Shiffarar M, Roy S, Cronin-Golomb A. **Neuropsychology**. 2016 epub ahead of print  
<https://www.researchgate.net/home>

- ☉ Physical activity, screen time, and use of medicines among adolescents: the 1993 Pelotas (Brazil) birth cohort study. Bergmann GG, Bertoldi AD, Mielke GI, Camargo AL, Matijasevich A, Hallal PC. **Cad Saude Publica** 2016;32(4):e00011715  
<http://www.scielo.br/pdf/csp/v32n4/1678-4464-csp-32-04-e00011715.pdf> (article in Portuguese)
- ☉ Quantifying poststroke apathy with actimeters. Goldfine AM, Dehdad B, Kennedy JM, Sabot B, Semper C, Putrino D. **J of Neuropsychiatry and Clinical Neurosciences** 2016 (ahead of print) <http://neuro.psychiatryonline.org/doi/pdf/10.1176/appi.neuropsych.15090235>
- ☉ Impact of Goal Priority and goal conflict on the Intention-health behaviour relationship: Tests on physical activity and other health behaviours. Connor M, Abraham C, Prestwich A, Hutter R, Hallam J, Sykes-Muskett B, Morris B, Hurling R. **Health Psychology** 2016  
<http://eprints.whiterose.ac.uk/93789/>
- ☉ High intensity interval exercise is an effective alternative to moderate intensity exercise for improving glucose tolerance and insulin sensitivity in adolescent boys. Cockcroft EJ, Williams CA, Tomlinson OW, Vlachopoulos D, Jackman AR, Armstrong N, Barker AR. **J of Sci and Med in Sport**. 2015 18:720-724  
<http://www.sciencedirect.com/science/article/pii/S144024401400201>
- ☉ Metabolic effects of a 13 weeks lifestyle intervention in older adults The Growing Old Together Study. Van de Rest O, Schutte BAM, Deelen J, Stassen SAM, van den Akker EB, van Heemst D, Dibbets-Schneider P, van Dipten-van der Veen RA, Kelderman M, Hankemeier T, Mooijaart SP, van der Grond J, Houwing-Duistermaat JJ, Beekman M, Feskens EJM, Slagboom PE. **Ageing Jan** 2016 Vol 8 No 1  
<http://www.impactaging.com/papers/v8/n1/pdf/100877.pdf>
- ☉ Behavioural periodicity detection from 24h wrist accelerometry and associations with cardiometabolic risk and health-related quality of life. Buman MP, Hu F, Newman E, Smeaton AF, Epstein DR. **BioMed Research International**. Volume 2016  
<http://www.hindawi.com/journals/bmri/2016/4856506/abs/>
- ☉ Utilization and harmonization of adult accelerometry data: review and expert consensus. Wijndaele K, Westgate K, Stephens SK, Blair SN, Bull FC, Chastin SF, Dunstan DW, Ekelund U, Esliger DW, Freedson PS, Granat MH, Matthews CE, Owen N, Rowlands AV, Sherar LB, Tremblay MS, Trioano RP, Brage S, Brage S, Healy GN. **MSSE** 47(10):2129-39 Oct 2015  
<http://journals.lww.com/acsm-msse/pages/results.aspx?txtkeywords=utilization+and+harmonization+of+adult+accelerometry+data>
- ☉ The Diabetes Remission Clinical Trial (DiRECT): protocol for a cluster randomized trial. Leslie WS, Ford I, Sattar N, Hollingsworth KG, Adamson A, Snihotta FF, McCombie L, Brosnahan N, Ross H, Mathers JC, Peters C, Thom G, Barnes A, Kean S, McIlvenna Y, Rodrigues A, Rehackova L, Zhyzhneuskaya S, Taylor R, Lean MEJ **BMC Family Practice** 2016, 17:20  
[http://download.springer.com/static/pdf/49/art%253A10.1186%252Fs12875-016-0406-2.pdf?originUrl=http%3A%2F%2Fbmcfampract.biomedcentral.com%2Farticle%2F10.1186%2Fs12875-016-0406-2&token2=exp=1456845857~acl=%2Fstatic%2Fpdf%2F49%2Fart%25253A10.1186%25252Fs12875-016-0406-2.pdf\\*~hmac=1a506881b32d076d4f3e80f8b5effc5f6df5e8aa89bb59541c433042ddc66e67](http://download.springer.com/static/pdf/49/art%253A10.1186%252Fs12875-016-0406-2.pdf?originUrl=http%3A%2F%2Fbmcfampract.biomedcentral.com%2Farticle%2F10.1186%2Fs12875-016-0406-2&token2=exp=1456845857~acl=%2Fstatic%2Fpdf%2F49%2Fart%25253A10.1186%25252Fs12875-016-0406-2.pdf*~hmac=1a506881b32d076d4f3e80f8b5effc5f6df5e8aa89bb59541c433042ddc66e67)

- ☉ Project Energise: Using participatory approaches and real time prompts to reduce occupational sitting and increase physical activity in office workers. Gilson ND, Ng N, Pavey TG, Ryde GC, Straker L, Brown WJ. **J of Sci and Med in Sport**.  
[http://www.jsams.org/article/S1440-2440\(16\)00035-9/abstract?cc=y=](http://www.jsams.org/article/S1440-2440(16)00035-9/abstract?cc=y=)
- ☉ Accuracy of posture allocation algorithms for thigh- and waist-worn accelerometers. Edwardson CL, Rowlands AV, Bunnewell S, Sanders J, Esliger DW, Gorey T, O'Connell S, Daviies M, Khunti K, Yates T. **MSSE** Epub ahead of print. Jan 2016.  
[http://journals.lww.com/acsm-msse/Abstract/publishahead/Accuracy\\_of\\_Posture\\_Allocation\\_Algorithms\\_for.97618.aspx](http://journals.lww.com/acsm-msse/Abstract/publishahead/Accuracy_of_Posture_Allocation_Algorithms_for.97618.aspx)
- ☉ Clinical effectiveness and cost-effectiveness of the Rehabilitation Enablement in Chronic Heart Failure (REACH-HF) facilitated self-care rehabilitation intervention in heart failure patients and caregivers: rationale and protocol for a multicenter randomized controlled trial. Taylor RS, Hayward C, Eyre V, Austin J, Davies R, Doherty P, Jolly K, Wingham J, Van Lingen R, Abraham C, Green C, Warren FC, Britten N, Greaves CJ, Singh S, Buckingham S, Paul K, Dalal. **BMJ Open** February 2016 <http://bmjopen.bmj.com/content/5/12/e009994>
- ☉ Assessing the effectiveness of High Intensity Interval Training (HIIT) for smoking cessation in women: HIIT to quit study protocol. Pavey TG, Gartner CE, Coombes JS, Brown WJ. **BMC Public Health** (2015) 15:1309 [http://download.springer.com/static/pdf/159/art%253A10.1186%252Fs12889-015-2631-3.pdf?originUrl=http%3A%2F%2Fbmcpublihealth.biomedcentral.com%2Farticle%2F10.1186%2Fs12889-015-2631-3&token2=exp=1458056131~acl=%2Fstatic%2Fpdf%2F159%2Fart%25253A10.1186%25252Fs12889-015-2631-3.pdf\\*~hmac=3be2b28aa8173af1cf59617bee67d94c665e7563b1e0f6964ed7a371b706b4ed](http://download.springer.com/static/pdf/159/art%253A10.1186%252Fs12889-015-2631-3.pdf?originUrl=http%3A%2F%2Fbmcpublihealth.biomedcentral.com%2Farticle%2F10.1186%2Fs12889-015-2631-3&token2=exp=1458056131~acl=%2Fstatic%2Fpdf%2F159%2Fart%25253A10.1186%25252Fs12889-015-2631-3.pdf*~hmac=3be2b28aa8173af1cf59617bee67d94c665e7563b1e0f6964ed7a371b706b4ed)
- ☉ Developing a method to test the validity of 24 hour time use diaries using wearable cameras: A feasibility pilot. Kelly P, ThomasE, Doherty A, Foster CE. **PLOS One** 10(12): E0142198 Dec 2015 <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0142198>
- ☉ Health resorts as gateways for regional, standardized, sports club based exercise programmes to increase the weekly time of moderate- to vigorous-intensity physical activity: study protocol. Lackinger C, Strehn A, Domer TE, Niebauer J, Titze S. **BMC Public Health** (2015) 15:1265 [http://download.springer.com/static/pdf/719/art%253A10.1186%252Fs12889-015-2581-9.pdf?originUrl=http%3A%2F%2Fbmcpublihealth.biomedcentral.com%2Farticle%2F10.1186%2Fs12889-015-2581-9&token2=exp=1454941045~acl=%2Fstatic%2Fpdf%2F719%2Fart%25253A10.1186%25252Fs12889-015-2581-9.pdf\\*~hmac=8f0ccf875fbc69e211575cafbce864d0ff11151aa7f42d3dffebdd8f39ab6666](http://download.springer.com/static/pdf/719/art%253A10.1186%252Fs12889-015-2581-9.pdf?originUrl=http%3A%2F%2Fbmcpublihealth.biomedcentral.com%2Farticle%2F10.1186%2Fs12889-015-2581-9&token2=exp=1454941045~acl=%2Fstatic%2Fpdf%2F719%2Fart%25253A10.1186%25252Fs12889-015-2581-9.pdf*~hmac=8f0ccf875fbc69e211575cafbce864d0ff11151aa7f42d3dffebdd8f39ab6666)
- ☉ Metabolically Healthy Obesity. Associations with physical activity, sedentary behaviour and metabolic decline. PhD Thesis. 2015 **Department of Epidemiology and Public Health, University College London** <http://discovery.ucl.ac.uk/1472874/1/PhD%20-%20J.A.%20Bell.pdf>
- ☉ Investigating Temporal and Melodic Aspects of Musical Imagery. Jakubowski KJ. Thesis PhD. Department of Psychology, **Goldsmiths, University of London**.  
[http://research.gold.ac.uk/15076/1/PSY\\_thesis\\_JakubowskiK\\_2015.pdf](http://research.gold.ac.uk/15076/1/PSY_thesis_JakubowskiK_2015.pdf)

- ☺ Sedentary Sphere: wrist-worn accelerometer-brand independent posture classification. Rowlands AV, Tates T, Olds TS, Davies M, Khunti K, Edwardson CL. 2015 Nov **MSSE** Epub ahead of print [http://journals.lww.com/acsm-msse/Abstract/publishahead/Sedentary\\_Sphere\\_Wrist\\_Worn\\_Accelerometer\\_Brand.97657.aspx](http://journals.lww.com/acsm-msse/Abstract/publishahead/Sedentary_Sphere_Wrist_Worn_Accelerometer_Brand.97657.aspx)
- ☺ Is the International Physical Activity Questionnaire Long Form (IPAQ) a reliable measure of free-living sedentary behaviour and physical activity in older persons? Comparisons with accelerometer measures. Ryan D, Wullems JA, Stebbings G, Morse CI, Stewart CE, Onambele-Pearson G. International Scientific Symposium in collaboration with the European Group for Research into Elderly and Physical Activity. **'The three dimensional effect of physical activity in old age – physical, mental and emotion'**. 2015, pp27  
[https://www.researchgate.net/profile/Lovro\\_Stefan/publication/283855141\\_PHYSICAL\\_PHYSIOLOGICAL\\_AND\\_PSYCHOLOGICAL\\_FITNESS\\_OF\\_FREE\\_LIVING\\_ACTIVE\\_AND\\_NON-ACTIVE\\_OLDER\\_FEMALE\\_ADULTS/links/5648bad908ae451880ae9ac3.pdf](https://www.researchgate.net/profile/Lovro_Stefan/publication/283855141_PHYSICAL_PHYSIOLOGICAL_AND_PSYCHOLOGICAL_FITNESS_OF_FREE_LIVING_ACTIVE_AND_NON-ACTIVE_OLDER_FEMALE_ADULTS/links/5648bad908ae451880ae9ac3.pdf)
- ☺ International Society of Behavioural Nutrition and Physical Activity. Edinburgh 2015  
[https://www.isbnpa.org/files/annual\\_meetings/2015/06/10/16/attachments/557869344c5e6.pdf](https://www.isbnpa.org/files/annual_meetings/2015/06/10/16/attachments/557869344c5e6.pdf)
  - Acute Relationships between daily self-efficacy, physical activity and self-worth in middle aged women. Ehlers *et al* (oral presentation) p189
  - Physical activity monitoring compliance strategies in children: A formative study McCann *et al* (oral presentation) p 240
  - Project Energise: describing the patterns of objectively measured desk sitting, sedentary behaviour and physical activity of Australian office workers. Ng *et al* (poster) p284
  - Exploring children's compliance to wearing wrist and hip mounted accelerometers Noonan *et al* (poster) p401
  - Exploring the impact of wear time upon physical activity estimates in children. Phillips *et al* (posters) p434
  - Children's physical activity patterns derived from wrist and hip-worn raw accelerometer data. Fairclough *et al* (posters) p505
  - Combining behavioural activation and physical activity (BAcPac): acceptability, feasibility and preliminary outcomes in a pragmatic pilot RCT with patients with depression in IAPT services. Taylor *et al* (poster) p516
  - Objectively measured physical activity and the risk of childhood obesity in school children. Keane *et al* (poster) p521
  - Cross-sectional analysis of weekly levels and patterns of objectively measured physical behaviour with cardiometabolic health in middle-aged adults. Dillon *et al* (poster) p523
  - Healthy obesity and objective physical activity. Bell *et al*. (poster) p631

- © 24 hours of sleep, sedentary behavior and physical activity with nine wearable devices. Rosenberger ME, Buman MP, Haskell WL, McConnell MV, Carstensen LL. **MSSE** 2015 (EPub, ahead of print) <http://journals.lww.com/acsm-msse/pages/results.aspx?txtkeywords=rosenberger>
- © A comparison of subjective and objective measures of physical activity from the Newcastle 85+ study Innerd P, Catt M, Collerton J, Davis K, Trenell M, Kirkwood TBL, Jagger C. **Age and Ageing**. May 2015  
<http://ageing.oxfordjournals.org/content/early/2015/05/26/ageing.afv062.full.pdf+html>
- © A Novel, Open access method to assess sleep duration using a wrist-worn accelerometer. Van Hees VT, Sabia S, Anderson KN, Denton SJ, Oliver J, Catt M, Abell JG, Kivimäki M, Trennell MI, Singh-Manoux A. **PLOSone** Nov 2015 DOI:10.1371  
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0142533>
- © PP74 (poster) Cross-sectional analysis of weekly levels and patterns of objectively measured physical behaviour with cardiometabolic health in middle-aged adults. Dillon CD, Dahly DD, Donnelly AD, Phillips CP. September 2015 **J of Epidemiology and Community Health** 69 (suppl 1) 0 [http://jech.bmj.com/content/69/Suppl\\_1/A84.2.abstract?sid=78dbd66c-a82a-4664-81ed-f8aea0eab88c](http://jech.bmj.com/content/69/Suppl_1/A84.2.abstract?sid=78dbd66c-a82a-4664-81ed-f8aea0eab88c)
- © PP75 (poster) Daily cumulative patterns of objectively measured physical activity and sedentary behaviour by cardiometabolic health status in middle-aged adults; a cross-sectional analysis. Dillon CD, Dahly DD, Donnelly AD, Phillips CP. September 2015 **J of Epidemiology and Community Health** 69 (suppl1)  
[http://jech.bmj.com/content/69/Suppl\\_1/A84.3.full.pdf+html?sid=68e8c510-9092-40b5-b2f5-e0592d924855](http://jech.bmj.com/content/69/Suppl_1/A84.3.full.pdf+html?sid=68e8c510-9092-40b5-b2f5-e0592d924855)
- © An investigation into the effects of different types of exercise on the maintenance of approach motivation levels. Lowenstein JAS, Wright K, Taylor A, Moberly NJ. 2015 **Mental Health and Physical Activity** 9 (2015) 24-34  
[https://www.researchgate.net/profile/Joe\\_Lowenstein/publication/282319946\\_An\\_Investigation\\_into\\_the\\_Effects\\_of\\_Different\\_Types\\_of\\_Exercise\\_on\\_the\\_Maintenance\\_of\\_Approach\\_Motivation\\_Levels/links/56124d8f08ae6b29b49e5cb7.pdf](https://www.researchgate.net/profile/Joe_Lowenstein/publication/282319946_An_Investigation_into_the_Effects_of_Different_Types_of_Exercise_on_the_Maintenance_of_Approach_Motivation_Levels/links/56124d8f08ae6b29b49e5cb7.pdf)
- © A validation study of the web-based physical activity questionnaire active-Q against the GENE accelerometer. Bonn SE, Bergman P, Lagerros YT, Sjölander A, Bälter K. **JIMR Res Protoc**. 2015 Jul-Sep; 4(3):e86 <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4527001/>
- © Acceptability and efficacy of a low intensity family-based weight loss intervention. Benzo RM. 2015. Masters Thesis. **The University of Iowa**.  
<http://ir.uiowa.edu/cgi/viewcontent.cgi?article=5883&context=etd>
- © Light therapy for better mood and insulin sensitivity in patients with major depression and types 2 diabetes: a randomized, double-blind, parallel-arm trial. Brouwer A, van Raalte DH, Diamant M, Rutters F, van Someren EJW, Snoek FJ, Beekman ATF, Bremmer MA. **BMC Psychiatry** 2015, 15:169 <http://www.biomedcentral.com/content/pdf/s12888-015-0543-5.pdf>

- ☉ Cohort profile: Growing up in Wales: The Environments for Healthy Living study. Morgan KL, Khanom A, Hill RA, Lyons RA, Brophy ST. **Int J of Epid**, 2015, 1-10  
<https://ije.oxfordjournals.org/content/early/2015/10/01/ije.dyv178.full.pdf+html>
- ☉ Issues and challenges in sedentary behaviour measurement. Kang M, Rowe DA. **Measurement in Physical Education and Exercise Science**, 19: 105-115 2015  
<http://www.tandfonline.com/doi/pdf/10.1080/1091367X.2015.1055566>
- ☉ Using Periodicity intensity to detect Long term behaviour change. Hu F, Smeaton AF, Newman E, Buman MP. **UBICOMP/ISWC@15 Adjunct**. Sept 2015, Osaka  
[http://delivery.acm.org/10.1145/2810000/2800962/p1069-hu.pdf?ip=92.27.135.59&id=2800962&acc=OPEN&key=4D4702B0C3E38B35%2E4D4702B0C3E38B35%2E4D4702B0C3E38B35%2E6D218144511F3437&CFID=719398549&CFTOKEN=45164677&\\_acm\\_=1444141442\\_11e1fce77612e4cdb8d7a50081b17b5d](http://delivery.acm.org/10.1145/2810000/2800962/p1069-hu.pdf?ip=92.27.135.59&id=2800962&acc=OPEN&key=4D4702B0C3E38B35%2E4D4702B0C3E38B35%2E4D4702B0C3E38B35%2E6D218144511F3437&CFID=719398549&CFTOKEN=45164677&_acm_=1444141442_11e1fce77612e4cdb8d7a50081b17b5d)
- ☉ Combining behavioural activation with physical activity promotion for adults with depression: findings of a parallel-group pilot randomized controlled trial (BacPac) Pentecost C, Farrand P, Greaves CJ, Taylor RS, Warren FC, Hillsdon M, Green C, Welsman JR, Rayson K, Evans PH, Taylor AH. **Trials** 2015 16:367  
<http://www.trialsjournal.com/content/pdf/s13063-015-0881-0.pdf>
- ☉ Criterion validity and calibration of the GENEActiv accelerometer in adults. Dillon C, Powell C, Dowd D, Carson B, Donnelly A. **Conference paper ICAMPAM** June 2015  
[https://www.researchgate.net/profile/Christina\\_Dillon/publication/278106265\\_Criterion\\_validity\\_and\\_calibration\\_of\\_the\\_GENEActiv\\_accelerometer\\_in\\_adults/links/55bb49dc08aec0e5f43edde5.pdf](https://www.researchgate.net/profile/Christina_Dillon/publication/278106265_Criterion_validity_and_calibration_of_the_GENEActiv_accelerometer_in_adults/links/55bb49dc08aec0e5f43edde5.pdf)
- ☉ Wear compliance and activity in children wearing wrist and hip-mounted accelerometers. Fairclough SJ, Noonan R, Rowlands AV, van Hees V, Knowles Z, Boddy LM. **MSSE** 2015 Pub ahead of print [http://journals.lww.com/acsm-msse/Abstract/publishahead/Wear\\_Compliance\\_and\\_Activity\\_in\\_Children\\_Wearing.97696.a.spx](http://journals.lww.com/acsm-msse/Abstract/publishahead/Wear_Compliance_and_Activity_in_Children_Wearing.97696.a.spx)
- ☉ Sedentary behavior among elite professional footballers: health and performance implications. Weiler R, Aggio D, Hamer M, Taylor T, Kumar B. **BMJ Open Sport Exerc Med** 2015 <http://bmjopensem.bmj.com/content/1/1/e000023.full.pdf+html>
- ☉ The effect of knee osteoarthritis on the variability and fractal dynamics of human gait. Clermont CA, 2015. Thesis. University of Regina 2015  
<http://ourspace.uregina.ca:8080/handle/10294/5839>
- ☉ Connecting a National Community of Mothers: Online yoga therapy to reduce PTS symptoms after stillbirth. Huberty J, Mitchell J, Matthews J. 2015 Presentation  
[http://c.ymcdn.com/sites/www.iayt.org/resource/resmgr/docs\\_sytar2015\\_handouts/cic1d\\_mitchell-et-al\\_pts-stil.pdf](http://c.ymcdn.com/sites/www.iayt.org/resource/resmgr/docs_sytar2015_handouts/cic1d_mitchell-et-al_pts-stil.pdf)

- ☺ PP78 Age disparities in the use of cardiovascular medicines: a retrospective cohort analysis of newly treated type 2 diabetes patients. Grimes RT, Bennett K, Henman MC. **J of Epidemiology and Community Health** 2015 69: suppl 1 A85-A86  
[http://jech.bmj.com/content/69/Suppl\\_1/A85.2.full.pdf+html](http://jech.bmj.com/content/69/Suppl_1/A85.2.full.pdf+html)
- ☺ Real-time personalized monitoring to estimate occupational heat stress in ambient assisted working. Pancardo P, Acosta FD, Hernández-Nolasco JA, Wister MA, López-de-Ipiña D. **Sensors** 2015 15,16956-16980 <http://www.mdpi.com/1424-8220/15/7/16956/htm>
- ☺ The role of co-design in wearables adoption. Nevay S, Lim CSC. University of Dundee. BESIDE Research [https://www.beside.ac.uk/sites/default/files/NEVAYLIM\\_EHFUoD15.pdf](https://www.beside.ac.uk/sites/default/files/NEVAYLIM_EHFUoD15.pdf)
- ☺ Total worker health intervention increases activity of sedentary workers. Carr L,J, Leonhard C, Tucker S, Fethke N, Benzo R, Gerr F. **Am J of Preventive Medicine** 2015  
[http://www.ajpmonline.org/article/S0749-3797\(15\)00332-3/pdf](http://www.ajpmonline.org/article/S0749-3797(15)00332-3/pdf)
- ☺ Feasibility of three wearable sensors for 24h monitoring in middle-aged women. Huberty J, Ehlers DK, Kurka J, Ainsworth, Buman M. **BMC Womens Health** (2015)15:55  
<http://www.biomedcentral.com/content/pdf/s12905-015-0212-3.pdf>
- ☺ Objectively measured physical activity and sedentary-time are associated with arterial stiffness in Brazilian young adults. Horta BL, Schaan BD, Bielemann RM, Vianna CÁ, Gigante DP, Barris FC, Ekelund U, Hallal PC. **Atherosclerosis** September 2015  
[http://www.atherosclerosis-journal.com/article/S0021-9150\(15\)30117-9/pdf](http://www.atherosclerosis-journal.com/article/S0021-9150(15)30117-9/pdf)
- ☺ Project Energise: Using participatory approaches and real time prompts to reduce occupational sitting and increase physical activity in office workers. Gilson ND, Ng N, Pavey TG, Ryde GC, Straker L, Brown WJ. Proc 19<sup>th</sup> **Triennial Congress of the EIA**, Melbourne 9-14 August 2015
- ☺ Periodicity-based swimming performance feature extraction and parameter estimation. Zhao Y, Gerhard D, Barden J. **Sports Engineering** July 2015.  
<http://link.springer.com/article/10.1007/s12283-015-0178-2>
- ☺ The speed of our mental soundtracks: Tracking the tempo of involuntary musical imagery in everyday life. Jakubowski K, Farrugia N, Halpern AR, Sankarpandi SK, Stewart L June 2015 **Memory and Cognition** <http://link.springer.com/article/10.3758%2Fs13421-015-0531-5>
- ☺ NMR based biomarkers to study age-related changes in the human quadriceps. Azzabou N, Hogrel JY, Carlier PG. **Experimental Gerontology**. June 2015  
<http://www.sciencedirect.com/science/article/pii/S0531556515300012>
- ☺ Behavioural periodicity detection from 24h waveform wrist accelerometry. Buman MP, Hu F, Newman E, Smeaton AF, Epstein DR June 2015 **ICAMPAM** poster  
[http://doras.dcu.ie/20643/1/ICAMPAM\\_2014\\_Poster\\_-\\_ASU\\_DCU.pdf](http://doras.dcu.ie/20643/1/ICAMPAM_2014_Poster_-_ASU_DCU.pdf)

- ☉ Comparison of raw accelerometry outputs from commercial devices; importance of body position and gait velocity. Norris M, Dowd KP, Kenny IC, Donnelly AE. Researchgate.net **ICAMPAM 2015** (poster)  
[http://www.researchgate.net/profile/Ian\\_Kenny/publication/277664575\\_Norris\\_et\\_al\\_\(2015\)\\_ICAMPAM\\_COMPARISON\\_OF\\_RAW\\_ACCELEROMETRY\\_OUTPUT\\_FROM\\_COMMERCIAL\\_DEVICES\\_poster/links/556f405308aec226830a64a7.pdf](http://www.researchgate.net/profile/Ian_Kenny/publication/277664575_Norris_et_al_(2015)_ICAMPAM_COMPARISON_OF_RAW_ACCELEROMETRY_OUTPUT_FROM_COMMERCIAL_DEVICES_poster/links/556f405308aec226830a64a7.pdf)
- ☉ The understanding and interpretation of innovative technology-enabled multidimensional physical activity feedback in patients at risk of future chronic disease Western MJ, Peacock OJ, Stathi A, Thompson D **PloS One** May 2015  
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0126156>
- ☉ STEPWISE: STructured lifestyle Education for People With SchizophrEnia. Holt R. April 2015 Research Protocol, University of Southampton, University of Leicester, University of Sheffield. [http://www.nets.nihr.ac.uk/\\_data/assets/pdf\\_file/0019/115561/PRO-12-28-05.pdf](http://www.nets.nihr.ac.uk/_data/assets/pdf_file/0019/115561/PRO-12-28-05.pdf)
- ☉ Mental toughness as a moderator of the intention-behaviour gap in the rehabilitation of knee pain. Gucciardi DF, Parrish AM, Okely AD. 2015 **J of Sci and Med in sport**  
[http://www.jsams.org/article/S1440-2440\(15\)00135-8/pdf](http://www.jsams.org/article/S1440-2440(15)00135-8/pdf)
- ☉ Hand hygiene duration and technique recognition using wrist-worn sensors. Galluzzi V, Herman T, Polgreen P, **IPSN 2015 (Proceedings of the 14<sup>th</sup> International Conference on Information Processing in Sensor Networks)** <http://dl.acm.org/citation.cfm?id=2737106>
- ☉ Classification of accelerometer wear and non-wear events in seconds for monitoring free-living physical activity. Zhou SM, Hill RA, Morgan K, Stratton G, Gravenor MB, Bijlsma G, Brophy S. **BMJ** April 2015 <http://bmjopen.bmj.com/content/5/5/e007447.full.pdf+html>
- ☉ Healthy obesity and objective physical activity. Bell JA, Hamer M, van Hees VT, Singh-Manoux, A, Kivimäki, Sabia S. **Am Soc for Nut** 2015  
<http://ajcn.nutrition.org/content/early/2015/07/08/ajcn.115.110924.abstract>
- ☉ Influence of accelerometer type and placement on physical activity energy expenditure prediction in manual wheelchair users. Nightingale TE, Walhin JP, Thompson D, Bilzon JJJ. **PloS one** 2015 <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4425541/>
- ☉ A cluster randomized controlled trial to investigate the effectiveness and cost effectiveness of the 'Girls Active' intervention: a study protocol. Edwardson CL, Harrington DM, Yates T, Bodicoat DH, Khunti K, Gorely T, Sherar LB, Edwards RT, Wright C, Harrington K, Davies MJ. **BMC Public Health** 2015 15:526. <http://www.biomedcentral.com/1471-2458/15/526/>
- ☉ Effect of a program of short bouts of exercise on bone health in adolescents involved in different sports: the PRO-BONE study. Vlachopoulos D, Barker AR, Williams CA, Knapp KM, Metcalf BS, Gracia-Marco L. **BMC Public Health**. (2015) 15:361  
<http://www.biomedcentral.com/content/pdf/s12889-015-1633-5.pdf>



- © The validity of the GENEActiv wrist-worn accelerometer for measuring adult sedentary time in free living. Pavey TG, Gomersall SR, Clark BK, Brown WJ. **J of Sci and Med in Sport**. April 2015 [http://www.jsams.org/article/S1440-2440\(15\)00089-4/abstract](http://www.jsams.org/article/S1440-2440(15)00089-4/abstract)
- © Exercise intensity and the protection from postprandial vascular dysfunction in adolescents. Bond B, Gates PE, Jackman S, Corless L, Williams CA, Barker AR. **Am J of Phys – Heart and Circulatory Phys**. March 2015.  
<http://ajpheart.physiology.org/content/early/2015/03/25/ajpheart.00074.2015>
- © Physical activity and adiposity markers at older ages: Accelerometer versus Questionnaire data. Sabia S, Cogranne P, van Hees VT, Bell JA, Elbaz A, Kivimaki M, Singh-Manoux A. **JAMDA**, 2015 e1-e7 <http://www.sciencedirect.com/science/article/pii/S1525861015000936>
- © Rationale and study protocol for ‘Switch-off 4 Healthy Minds’ (S4HM): A cluster randomized controlled trial to reduce recreational screen time in adolescents. Babic MJ, Morgan PJ, Plotnikoff RC, Lonsdale C, Eather N, Skinner G, Baker AL, Pollock E, Lubans DR. **Contemporary Clin Trials**. 40 (2015) 150-158  
<http://www.sciencedirect.com/science/article/pii/S1551714414001864>
- © Cohort Profile update: The 1982 Pelotas (Brazil) birth cohort study. Horta BL, Gigante DP, Goncalves H, dos Santos Motta JV, de Mola CL, Oliveira IO, Barros FC, Victoria CG. **Int J of Epid**, 2015, 1-6  
<http://ije.oxfordjournals.org/content/early/2015/03/01/ije.dyv017.full.pdf+html>
- © Validation of two accelerometers to determine mechanical loading of physical activities in children. Meyer U, Ernst D, Schott S, Riera C, Hettendorf J, Romkes J, Granacher U, Gopfert B, Kriemler S. **J Sports Sci**. 2015. Jan 26:1-8  
[http://www.tandfonline.com/doi/abs/10.1080/02640414.2015.1004638?url\\_ver=Z39.88-2003&rfr\\_id=ori%3Arid%3Acrossref.org&rfr\\_dat=cr\\_pub%3Dpubmed&#.VP2BpHmzXml](http://www.tandfonline.com/doi/abs/10.1080/02640414.2015.1004638?url_ver=Z39.88-2003&rfr_id=ori%3Arid%3Acrossref.org&rfr_dat=cr_pub%3Dpubmed&#.VP2BpHmzXml)
- © Patient self-management in primary care patients with mild COPD – protocol of a randomized controlled trial of telephone health coaching. Sidhu MS, Daley A, Jordan R, Coventry PA, Heneghan C, Jowett S, Singh S, Marsh J, Adab P, Varghese J, Nunan D, Blakemore A, Stevens J, Dowson L, Fitzmaurice D, Jolly K. **BMC Pulmonary Medicine**, 2015 15:16  
<http://www.biomedcentral.com/1471-2466/15/16>
- © Package GGIR. van Hees VT, Fang Z, Zhao JH, Sabia S **CRAN** Feb 2015 <http://cran.r-project.org/web/packages/GGIR/index.html>
- © Energy expenditure prediction using raw accelerometer data in simulated free-living. Montoye AHK, Mudd LM, Biswas S, Pfeiffer A. **MSSE** 2015 Epub ahead of print  
[http://journals.lww.com/acsm-msse/Abstract/publishahead/Energy\\_Expenditure\\_Prediction\\_Using\\_Raw.97844.aspx](http://journals.lww.com/acsm-msse/Abstract/publishahead/Energy_Expenditure_Prediction_Using_Raw.97844.aspx)
- © Physical activity levels in three Brazilian birth cohorts as assessed with raw triaxial wrist accelerometry. Da Silva ICM, van Hees VT, Ramires VV, Knuth AG, Bielemann RM, Ekelund U, Brage S, Hallal PC. **Int J of Epid**, 2014 1959-1968  
<http://ije.oxfordjournals.org/content/43/6/1959.full.pdf+html>

- ☺ Rural Environments and Community Health (REACH): a randomized controlled trial protocol for an online walking intervention in rural adults. Mitchell BL, Lewis NR, Smith AE, Rowlands AV, Parfitt G, Dollman J. **BMC Public Health**, 2014, 14:969  
<http://www.biomedcentral.com/1471-2458/14/969>
- ☺ OP66 Multilevel influences on overweight and obesity in 8-11 year old Irish children: findings from the Cork Children's Lifestyle Study (CCLaS). (Abstract) **J Epidemiol Community Health** 2014;68:A34 [http://jech.bmj.com/content/68/Suppl\\_1/A34.1.abstract](http://jech.bmj.com/content/68/Suppl_1/A34.1.abstract)
- ☺ Non-consent to a wrist-worn accelerometer in older adults: The role of socio-demographic, behavioural and health factors. Hassani M, Kivimaki M, Elbaz A, Shipley M, Singh-Manoux A, Sabia S. **PLOS one** vol 9, Issue 10, e110816  
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0110816>
- ☺ The Dynamics of Ageing. Evidence from the English Longitudinal Study of Ageing 2002-2012 (Wave 6). Editors Banks J, Nazroo J, Steptoe A. **Institute for Fiscal Studies**. October 2014  
<http://www.elsa-project.ac.uk/publicationDetails/id/7411>
- ☺ Sedentary behavior and physical activity among older patients following percutaneous coronary intervention presented with stable angina versus acute coronary syndrome. (Abstract) Denton SJ, van Hees VT, Bawamia B, Veerasamy M, Quinn L, Dunford JR, Trenell MI, Jakovljevic DG, Kunadian V. **Circulation** 2014; 130:A13125  
[http://circ.ahajournals.org/content/130/Suppl\\_2/A13125.abstract?sid=c1a96bdd-ba1b-4f04-aba7-1de356653527](http://circ.ahajournals.org/content/130/Suppl_2/A13125.abstract?sid=c1a96bdd-ba1b-4f04-aba7-1de356653527)[http://circ.ahajournals.org/content/130/Suppl\\_2.toc](http://circ.ahajournals.org/content/130/Suppl_2.toc)
- ☺ Limits of the correlation of wrist-worn accelerometry with oxygen uptake (Abstract) Sirichana W, Sail K, Taylor M, Wang X, Barjaktarvic I, Kleerup EC, Cooper CB. **Am J Respir Crit Care Med** 2014, 189 A6271 [http://www.atsjournals.org/doi/abs/10.1164/ajrccm-conference.2014.189.1\\_MeetingAbstracts.A6271](http://www.atsjournals.org/doi/abs/10.1164/ajrccm-conference.2014.189.1_MeetingAbstracts.A6271)
- ☺ Acute affective responses to prescribed and self-selected exercise sessions in adolescent girls: an observational study. Hamlyn-Williams CC, Freeman P, Parfitt G. **BMC Sports Sci, Med and rehab**. 2014 6:35 <http://www.biomedcentral.com/content/pdf/2052-1847-6-35.pdf>
- ☺ The validity of the GENEActiv wrist-worn accelerometer for measuring sedentary behaviour in free living. Pavey T, Gomersall S, Clark B, Waryouni F, Brown W. **J Sci and Med in Sport** Dec 2014 18 suppl 1 e34 [http://www.jsams.org/article/S1440-2440\(14\)00429-0/abstract](http://www.jsams.org/article/S1440-2440(14)00429-0/abstract)
- ☺ Glucose metabolism in healthy ageing. Wijsman CA. PhD thesis. 2014 Leiden University. Netherlands
- ☺ Dose-response Effects of a Web-based physical activity program on body composition and metabolic health in inactive adults: Additional analyses of a randomized controlled trial. Vroege DP, Wijsman CA, Broekhuizen, de Craen AJM, van Heemst D, van der Ouderaa FJG, van Mechelen W, Slagboom PE, Catt M, Westendorp RGJ, Verhagen EALM, Mooijaart. **J Med Internet Res** Dec 2014; 16(12):e265  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4275504/?report=printable>

- ☺ Wearable tech lets boss track your work, rest and play. **New Scientist** Oct 2014. Aviva Rutkin  
<http://www.newscientist.com/article/mg22429913.000-wearable-tech-lets-boss-track-your-work-rest-and-play.html?full=true#.VLZqyXmzXmI>
- ☺ Diet, physical activity, lifestyle behaviours, and prevalence of childhood obesity in Irish children: the Cork Children's Lifestyle Study Protocol. Keane E, Kearney PM, Perry IJ, Browne GM, Harrington JM. **JMIR Res Protoc** 2014 3(3) e44  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4147704/?report=printable>
- ☺ Effects of Moderate-to-Vigorous Intensity physical activity on overnight and next-day hypoglycemia in active adolescents with Type 1 Diabetes. Metcalf KM, Singhvi A, Tsalikan, Tansey MJ, Zimmerman MB, Esliger DW, Janz KF. **Diabetes Care** May 2014; 37 1272-78  
<http://care.diabetesjournals.org/content/37/5/1272.full.pdf+html?sid=046acd6b-781a-4f74-9483-64f458aa1e42>
- ☺ Auto-calibration of accelerometer data for free-living physical activity assessment using local gravity and temperature: an evaluation on four continents. van Hees VT, Fang Z, Langford J, Assah F, Mohammed A, da Silva ICM, Trenell MI, White T, Wareham NJ, Brage S. **J App Physiol** August 2014  
<http://jap.physiology.org/content/early/2014/07/31/jappphysiol.00421.2014>
- ☺ Comparison of measured acceleration output from accelerometry-based activity monitors. Rowlands AV, Fraysse F, Catt M, Stiles VH, Stanley RM, Eston RG, Olds TS. **MSSE** 2014  
Published ahead of print
- ☺ Validation of accelerometers for measurement of physical activity energy expenditure in South Asians and Europeans. Afaq S, Tan ST, Afzal U, Loh M, Dimarco A, Kooner J, Chambers J. **Heart** 2014 Jun;100 Suppl 3:A66-7
- ☺ Comparability of Measured Acceleration from Accelerometry-Based Activity Monitors. Rowlands AV, Fraysse F, Catt M, Stiles VH, Stanley RM, Eston RG, Olds TS. **MSSE** May 2014 (Epub ahead of print) [http://journals.lww.com/acsm-msse/Abstract/publishahead/Comparability\\_of\\_Measured\\_Acceleration\\_from.98033.aspx](http://journals.lww.com/acsm-msse/Abstract/publishahead/Comparability_of_Measured_Acceleration_from.98033.aspx)
- ☺ Effects of breathing on hip roll asymmetry in competitive front crawl swimming. Barber MV, Barden JM. **Proceedings of BMS** 2014.
- ☺ Children's Physical Activity Assessed with Wrist- and Hip-Worn Accelerometers. Rowlands AV, Rennie K, Kozarski R, Stanley RM, Eston RG, Parfitt GC, Olds TS. **MSSE**. Apr 28 2014. (Epub ahead of print) [http://journals.lww.com/acsm-msse/Abstract/publishahead/Children\\_s\\_Physical\\_Activity\\_Assessed\\_With\\_Wrist\\_.98061.aspx](http://journals.lww.com/acsm-msse/Abstract/publishahead/Children_s_Physical_Activity_Assessed_With_Wrist_.98061.aspx)
- ☺ The Human Cloud at Work; A Study into the Impact of Wearable Technologies in the Workplace. 2014. Rackspace  
<http://www.rackspace.co.uk/sites/default/files/Human%20Cloud%20at%20Work.pdf>

- ☺ Introducing the sedentary sphere: analysis, identification and visualization of sedentary behaviours. Rowlands AV, Fraysse F, Cai J, Eston RG, Olds TS. **Exercise and Sport Science Australia**, Adelaide, Australia. April 2014
- ☺ Physical Activity and Excess Weight in Pregnancy Have Independent and Unique Effects on Delivery and Perinatal Outcomes. Morgan KL, Rahman MA, Hill RA, Zhou SM, Bijlsma G, Khanom A, Lyons RA, Brophy S. **PLoS one** April 10, 2014  
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0094532>
- ☺ Establishing and Evaluating Wrist Cutpoints for the GENEActiv Accelerometer in Youth. Schaefer CA, Nigg CR, Hill JO, Brink LA, Browning RC. **MSSE** April 2014; 46(4) 826-33  
[http://journals.lww.com/acsm-msse/Fulltext/2014/04000/Establishing\\_and\\_Evaluating\\_Wrist\\_Cutpoints\\_for.24.aspx](http://journals.lww.com/acsm-msse/Fulltext/2014/04000/Establishing_and_Evaluating_Wrist_Cutpoints_for.24.aspx)
- ☺ Association Between Questionnaire- and Accelerometer- Assessed Physical Activity: The Role of Sociodemographic Factors. Sabia S, van Hees VT, Martin J, Shipley MI, Hagger-Johnson G, Elbaz A, Kivimaki M, Singh-Manoux A. **Am J of Epidemiology** Feb 2014  
<http://aje.oxfordjournals.org/content/early/2014/02/04/aje.kwt330.full.pdf+html>
- ☺ A Smartphone Intervention for Adolescent Obesity: Study Protocol for a Randomised Controlled Non-inferiority Trial. O' Malley G, Clarke M, Burls A, Murphy S, Murphy N, Perry IJ. **Trials** 2014 15:43 <http://www.biomedcentral.com/content/pdf/1745-6215-15-43.pdf>
- ☺ Age-group comparability of raw accelerometers output from wrist- and hip-worn monitors. Hildebrand M, Van Hees VT, Hansen BH, Ekelund U **MSSE** Jan 2014 Published ahead of print  
[http://journals.lww.com/acsm-msse/Abstract/publishahead/Age\\_Group\\_Comparability\\_of\\_Raw\\_Accelerometer.98144.aspx](http://journals.lww.com/acsm-msse/Abstract/publishahead/Age_Group_Comparability_of_Raw_Accelerometer.98144.aspx)
- ☺ Cross-validation of Waist-Worn GENEActiv Accelerometer Cut-Points. Welch WA, Bassett DR, Freedson PS, John D, Steeves JA, Conger SA, Ceaser TG, Howe CA, Sasaki JE **MSSE** Jan 2014 Published Ahead of print [http://journals.lww.com/acsm-msse/Abstract/publishahead/Cross\\_validation\\_of\\_Waist\\_Worn\\_GENEActiv\\_Accelerometer.98167.aspx](http://journals.lww.com/acsm-msse/Abstract/publishahead/Cross_validation_of_Waist_Worn_GENEActiv_Accelerometer.98167.aspx)
- ☺ Taking up physical activity in later life and healthy ageing: the English Longitudinal Study of Ageing Hamer M, Lavoie KL, Bacon SL **Br J Sports Med** 2014 48:239-243  
<http://bjsm.bmj.com/content/48/3/239.full.pdf+html>
- ☺ A Guide to Assessing Physical Activity using Accelerometry in Cancer Patients. Broderick JM, Ryan J, O'Donnell DM, Hussey J. **Support Cancer Care**. Jan 2014  
[http://www.mascc.org/assets/Pain\\_Center/2014\\_January/jan\\_2014-1.pdf](http://www.mascc.org/assets/Pain_Center/2014_January/jan_2014-1.pdf)
- ☺ Separating movement and gravity components in an acceleration signal and implications for the assessment of human daily physical activity. Van Hees VT, Gorzelniak L, León ECD, Eder M, Pias M, Taherian S, Ekelund U, Renström F, Franks PW, Horsch A, Brage S. **PLoS One** April 2013 <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0061691>

- © Exercise feelings are associated with adolescent's physical activity behavior. Parfitt G, Hamlyn-Williams CC, Freeman P. Conference paper **J of Sci and Med in Sport**. 2013 <https://www.researchgate.net/publication/259258982> [Exercise feelings are associated with adolescent's physical activity behaviour](https://www.researchgate.net/publication/259258982)
- © Assessing Sedentary Behavior with the GENEActiv: Introducing the Sedentary Sphere. Rowlands AV, Olds TS, Hillsdon M, Pulsford R, Hurst TL, Eston RG, Gomersall SJ, Johnston K, Langford J. **Med Sci Sports Exerc** Nov. 2013; Published Ahead of Print [http://journals.lww.com/acsm-msse/Abstract/publishahead/Assessing\\_Sedentary\\_Behavior\\_with\\_the\\_GENEActiv\\_.98196.aspx](http://journals.lww.com/acsm-msse/Abstract/publishahead/Assessing_Sedentary_Behavior_with_the_GENEActiv_.98196.aspx)
- © Effects of a web-based intervention on physical activity and metabolism in older adults: Randomized Controlled Trial Wijsman CA, Westendorp RGJ, Verhagen EALM, Catt M, Slagboom E, de Craen AJM, Broekhuizen K, van Mechelen W, van Heemst D, van der Ouderaa F, Mooijaart SP. **J med internet research** 2013 (Nov 06);15(1):e233 [www.jmir.org/2013/11/e233/](http://www.jmir.org/2013/11/e233/)
- © Comparison of Raw Acceleration from the GENEActiv and Actigraph GT3X+ Activity Monitors. John D, Sasaki J, Staudenmayer J, Mavilia M, Freedson PS. **Sensors** 2013, 13, 14754-63 <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3871080/>
- © Deprivation-related and use-dependent plasticity go hand in hand Makin TR, Cramer AO, Scholz J, Hahamy A, Henderson Slater D, Tracey I, Johansen-Berg H. **eLife** 2013;2:e01273 <http://elife.elifesciences.org/content/2/e01273>
- © The Healthy Lifestyles Programme (HeLP), a novel school-based intervention to prevent obesity in school children: study protocol for a randomized controlled trial. Wyatt KM, Lloyd JJ, Abraham C, Creanor S, Dean S, Densham E, Dauge W, Green C, Hillsdon M, Pearson V, Taylor RS, Tomlinson R, Logan S. **Trials** 2013, 14:95 <http://www.biomedcentral.com/content/pdf/1745-6215-14-95.pdf>
- © School-day physical activity in elementary school children: When and how much? Rauh EM. Thesis. Colorado State University. Oct 2013. 83 pages. <http://gradworks.umi.com/15/44/1544836.html>
- © Collecting a comprehensive evidence base to monitor fracture rehabilitation: A case study Callary SA, Thewlis D, Rowlands AV, Findlay DM, Solomon LB. **World Journal of Orthopedics** 2013 Oct 18;4(4):259-266 <http://www.wjnet.com/2218-5836/full/v4/i4/259.htm>
- © Guide to the Assessment of Physical Activity: Clinical and Research Applications. A scientific statement from the American Heart Association. Strath SJ, Kaminsky LA, Ainsworth BE, Ekelund U, Freedson PS, Gary RN, Richardson CR, Smith DT, Swartz AM, **Circulation** Oct 2013 <http://circ.ahajournals.org/content/early/2013/10/14/01.cir.0000435708.67487.da.citation>

- ☉ Use of Accelerometry to classify activity beneficial to bone in premenopausal women. Stiles VH, Griew PJ, Rowlands AV. *Med Sci Sports Exerc* 2013 Dec;45(12):2353-61 [http://journals.lww.com/acsm-msse/Abstract/publishahead/Use\\_of\\_accelerometry\\_to\\_classify\\_activity.98336.aspx](http://journals.lww.com/acsm-msse/Abstract/publishahead/Use_of_accelerometry_to_classify_activity.98336.aspx)
- ☉ Calibration of the GENE Accelerometer for Assessment of Physical Activity Intensity in Children. Phillips LR, Parfitt G, Rowlands AV. *J Sci Med Sport* 2013; Mar;16(2):124-8 [http://www.jsams.org/article/S1440-2440\(12\)00112-0/abstract](http://www.jsams.org/article/S1440-2440(12)00112-0/abstract)
- ☉ Methodological Description of Accelerometry for Measuring Physical Activity in the 1993 and 2004 Pelotas (Brazil) Birth Cohorts (abstract in English, main article in Portuguese). Knuth AG, Assunção MC, Gonçalves H, Menezes AM, Santos IS, Barros AJ, Matijasevich A, Ramires VV, Silva IC, Hallal PC. *Cad Saude Publica*, 2013; Mar;29(3):557-65 [http://www.scielo.org/scielo.php?script=sci\\_arttext&pid=S0102-311X2013000700013&lng=en&nrm=iso&tlng=en](http://www.scielo.org/scielo.php?script=sci_arttext&pid=S0102-311X2013000700013&lng=en&nrm=iso&tlng=en)
- ☉ Separating movement and gravity components in an acceleration signal and implications for the assessment of human daily physical activity. Van Hees, Gorzelniak L, León ECD, Eder M, Pias M, Taherian S, Ekelund U, Renström F, Franks PW, Horsch A, Brage S. **PLOSone** 2013; 8, issue e61691 <http://www.plosone.org/article/fetchObject.action?uri=info:doi/10.1371/journal.pone.0061691&representation=PDF>
- ☉ Impact of Study Design on Development and Evaluation of an Activity-type Classifier. van Hees VT, Golubic R, Ekelund U, Brage S. *J Appl Physiol* 2013; 114:1042-1051 <http://jap.physiology.org/content/114/8/1042.long>
- ☉ Effects of moderate to vigorous-intensity physical activity on nocturnal and next day hypoglycemia in adolescents with Type 1 Diabetes Kristen Marie Metcalf submitted for Master of Science. University of Iowa, Department Integrative Physiology. 2013 <http://ir.uiowa.edu/cgi/viewcontent.cgi?article=4709&context=etd> <http://ir.uiowa.edu/etd/2580/>
- ☉ Daily Physical Activity in COPD: Quantification by Tri\_Axial Accelerometry. Sirichana W, Moore-Gillon CE, Patel MH, Taylor M, Storer TW, Cooper CB. **Am J Respir Crit Care Med** 187:2013:A1361 [http://www.atsjournals.org/doi/abs/10.1164/ajrccm-conference.2013.187.1\\_MeetingAbstracts.A1361](http://www.atsjournals.org/doi/abs/10.1164/ajrccm-conference.2013.187.1_MeetingAbstracts.A1361)
- ☉ Classification Accuracy of the Wrist-Worn GENE Accelerometer. Welch WA, Bassett DR, Thompson DL, Freedson PS, Staudenmayer JW, John D, Steeves JA, Conger SA, Ceaser T, Howe CA, Sasaki JE, Fitzhugh EC. *Med Sci Sports Exerc* 44(4):742-748, April 2013 [http://journals.lww.com/acsm-msse/Abstract/publishahead/Classification\\_Accuracy\\_of\\_the\\_Wrist\\_Worn\\_GENE.98366.aspx](http://journals.lww.com/acsm-msse/Abstract/publishahead/Classification_Accuracy_of_the_Wrist_Worn_GENE.98366.aspx)
- ☉ Sleep Estimates Using Microelectrical mechanical Systems (MEMS. te Lindert BHW and Van Someren ELW. *Sleep* 2013;36(5):781-789 <http://journalsleep.org/ViewAbstract.aspx?pid=28938>

- ☉ Cohort Profile: The Cork and Kerry Diabetes and Heart Disease Study. Kearney PM, Harrington JM, McCarthy VJC, Fitzgerald AP, Perry I. *Int. J. Epidemiol.* 2012;1-10  
<http://ije.oxfordjournals.org/content/early/2012/09/14/ije.dys131.long>
- ☉ Use of Accelerometry to predict energy expenditure in military tasks  
Fleur Horner, Thesis submitted for Doctor of Philosophy, University of Bath. Department for Health. November 2012  
[http://opus.bath.ac.uk/32444/1/UnivBath\\_PhD\\_2012\\_FE\\_Horner.pdf](http://opus.bath.ac.uk/32444/1/UnivBath_PhD_2012_FE_Horner.pdf)
- ☉ Monitoring walking and cycling of middle-aged to older community dwellers using wireless wearable accelerometers. Zhang Y, Beenakker KGM, Butala PM, Lin CC, Little TDC, Maier AB, Stijntjes M, Vartanian, Wagenaar RC. MCL technical report 2012 **Proc 34<sup>th</sup> Annual Intl Conf IEEE Eng in Med and Biol Soc**
- ☉ Activity Classification using the GENE: Optimum Sampling Frequency and Number of Axes. Zhang S, Murray P, Zillmer R, Eston RG, Catt M, Rowlands AV. *Med Sci Sports Exerc.* 2012; Nov;44(11):2228-34 [http://journals.lww.com/acsm-msse/Abstract/2012/11000/Activity\\_Classification\\_Using\\_the\\_GENE\\_Optimum.24.aspx](http://journals.lww.com/acsm-msse/Abstract/2012/11000/Activity_Classification_Using_the_GENE_Optimum.24.aspx)
- ☉ Spectral Analysis of Accelerometric Data to identify human movement patterns  
Patrick Wohlfahrt, submitted for Bachelor thesis, Martin-Luther University of Halle-Wittenberg, Department of Physics. 8<sup>th</sup> August 2012 [http://www.physik.uni-halle.de/Fachgruppen/kantel/Bachelorarbeit\\_Wohlfahrt.pdf](http://www.physik.uni-halle.de/Fachgruppen/kantel/Bachelorarbeit_Wohlfahrt.pdf)
- ☉ Physical Activity Classification using the GENE Wrist-Worn Accelerometer. Zhang S, Rowlands AV, Murray P, Hurst, TL. *Med Sci Sport Exerc.* 2012; Apr;44(4):742-8  
[http://journals.lww.com/acsm-msse/Abstract/2012/04000/Physical\\_Activity\\_Classification\\_Using\\_the\\_GENE.22.aspx](http://journals.lww.com/acsm-msse/Abstract/2012/04000/Physical_Activity_Classification_Using_the_GENE.22.aspx)
- ☉ Accelerometer Counts and Raw Acceleration Output in Relation to Mechanical Loading. Rowlands AV, and Stiles VH. (2012). *J Biomech.* 2012; Feb 2;45(3):448-454  
[http://www.jbiomech.com/article/S0021-9290\(11\)00769-X/abstract](http://www.jbiomech.com/article/S0021-9290(11)00769-X/abstract)
- ☉ Estimation of Daily Energy Expenditure in Pregnant and Non-Pregnant Women Using a Wrist-Worn Tri-Axial Accelerometer. van Hees VT, Renström F, Wright A, Gradmark A, Catt M, Chen KY, LÖf M, Bluck L, Pomeroy J, Wareham NJ, Ekelund U, Brage S, Franks PW. *PLoS ONE.* 2011; 6(7):e22922  
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0022922>
- ☉ Validation of the GENE Accelerometer. Esliger DW, Rowlands AV, Hurst TL, Catt M, Murray P, and Eston RG. *Med Sci Sport Exerc.* 2011; Jun;43(6):1085-93  
[http://journals.lww.com/acsm-msse/Abstract/2011/06000/Validation\\_of\\_the\\_GENE\\_Accelerometer.22.aspx](http://journals.lww.com/acsm-msse/Abstract/2011/06000/Validation_of_the_GENE_Accelerometer.22.aspx)