



Dr Fiona Mellor PhD. BSc (Hons)

Medical Imaging

University of Exeter

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H-index = 9 i10-index = 9 (Google Scholar)

Education

- Sept 2009- July 2014 PhD. A biomechanical assessment of passive recumbent inter-vertebral motion in the mid lumbar spine in symptomatic and asymptomatic participants. Bournemouth University available from <https://core.ac.uk/download/pdf/42142418.pdf> [accessed 14.7.22]
- Sep 1995- Jul 1998 University of Hertfordshire
BSc (Hons) Diagnostic Radiography 1st Class

Professional registration

HCPC registered diagnostic radiographer (RA37710)

Employment

- Aug 121 – present Senior Lecturer. University of Exeter Medical School, University of Exeter
- Feb 2021 – present University Hospitals Dorset NHS Trust. Bank radiographer CT and X-ray

Grants and Funding

- 2020: College of Radiographer’s Industry Partnership Scheme (CoRIPs). £9847.03. STOPPAGE: STandardisation Of suPine Pelvic rAdioGraph tEchnique. Principle Investigator
- 2020: AECCUC internal research award. £1500 and matched £1500 Industry partnership funding (total £3000). Can the use of a positive mental health mobile application (app) decrease student’s stress levels during the Covid-19 pandemic? Principle Investigator
- 2016: College of Radiographers Industry Partnership Scheme (CoRIPs).£9000 Implementation and evaluation of a formal research mentorship scheme for radiographers in the UK; a pilot action research study. Chief Investigator
- 2014: Radiological Research Trust project grant. £3000. Feasibility project comparing MRI and in vivo biomechanics in healthy participants. Principle Investigator
- 2012: Santander Travel Award. £3000. Visit to State University of New York Musculoskeletal Science Research Centre. USA. Lecture in spinal biomechanics at King Edward VII Memorial Hospital. Bermuda. Principle Investigator
- 2009 – 2014: National Institute for Health Research. £244.104.00 Clinical Academic Training Doctoral Research Fellowship for nurses, midwives and allied health professionals. Principle Investigator

Publications

22 papers, 23 conference presentations and 4 book chapters. Selection below

Brownhill K, Mellor F, Breen A, Breen A. Passive intervertebral motion characteristics in chronic mid to low back pain: A multivariate analysis. *Med Eng Phys.* 2020;84:115-25.

Breen, A., Hemming, R., Mellor, F., Breen, A. Intrasubject repeatability of in vivo intervertebral motion parameters using quantitative fluoroscopy. *Eur Spine J.* 2019;28(2):450-60.

Breen, A., Mellor, F., Breen, A. Aberrant intervertebral motion in patients with treatment-resistant nonspecific low back pain: a retrospective cohort study and control comparison. *European Spine Journal.* 2018;27(11):2831-9.

Mellor, F., Breen, A., Thomas, P., Thompson, P. Upper and lower cut-off limits for static and dynamic lumbar motion in non-specific chronic low back pain. *Bone and Joint Journal.* 2016;98-B(SUPP 6):35

Mellor, F. E., Thomas, P., Thompson, P. and Breen, A. Proportional lumbar spine inter-vertebral motion patterns: a comparison of patients with chronic, non-specific low back pain and healthy controls. *European Spine Journal* 2014. (10).

Mellor, F.E., Thomas, P., Breen, A. 2014. Moving back: The radiation dose received from lumbar spine quantitative fluoroscopy. *Radiography.* 2014. 20(3)251 – 257.

Mellor, F., E. and Knapp, K., 2020. Research Outcome Measures. In: Ramlaul, A., ed. *Medical Imaging and Radiotherapy Research: Skills and Strategies.* 2nd edition Switzerland. Springer International Publishing

Deitz, A. K., Mellor, F.E., Teyhen, D.S., Panjabi, M.M., Wong, K.W.M., 2010. Kinematics of the Aging Spine: A Review of Past Knowledge and Survey of Recent Developments, with a Focus on Patient-Management. Implications for the Clinical Practitioner. Yue, Guyer, Johnson, Khoo & Hochschuler (eds) In: Yue, J. L., Guyer, R. D., Johnson, P. J., Khoo, L. T., and Hochschuler, S. H., eds. *The Comprehensive Treatment of the Aging Spine: Minimally Invasive and Advanced Techniques.* Elsevier.