

Robert James Froud

WORK ADDRESS

Centre for Health Sciences
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HOME ADDRESS (BLINDED)

EDUCATION

<i>PhD, Health Services Research</i>	Barts and The London School of Medicine and Dentistry Queen Mary (QM) University of London (UoL)	2010
<i>MSc, Medical Statistics</i>	London School of Hygiene and Tropical Medicine, UoL	<i>Expected</i> 2011
<i>Grad. Cert., Astronomy</i>	James Cook University	<i>Distinction</i> 2005
<i>BSc (Hons), Osteopathy</i>	European School of Osteopathy (ESO) University of Wales	2003
<i>DO, Osteopathy</i>	European School of Osteopathy (ESO)	2003

EMPLOYMENT - ACADEMIC

Research fellow clinical trials	Centre for Health Sciences QMUoL	2009 to Present
Research fellow	ESO University of Wales	2005 to 2009
Lecturer in research methods, statistics and clinical pathology	International College of Oriental Medicine. University of Brighton	2005 to 2006
Lecture in clinical pathology	ESO University of Wales	2003 to 2006
Lecturer in statistics	British School of Osteopathy University of Bedfordshire	Starting May 2011

EMPLOYMENT - CLINICAL

Principal osteopath	Bodycare Osteopathy Kent (private practice)	2003 to 2010
Associate osteopath	Wateringbury Osteopaths Kent (private practice)	2004 to 2006
Associate osteopath	Nigel Bassett Osteopathy E. Sussex (NHS and private practice)	2003 to 2004

CURRENTLY HELD GRANTS

Froud R, Eldridge S, Pincus T, Patel S, Seale C, Underwood M.	Exploring back pain Patients' perceptions of Important Change (EPIC) Arthritis Research UK, REF: 19480 Start: May 2011, End: April 2014	£122,773.00
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PEER-REVIEWED PUBLICATIONS

Froud R, Eldridge S, Kovacs F, Breen A, Bolton J, Dunn K, Fritz J, Keller A, Kent P, Lauridsen H, Ostelo R, Pincus T, van Tulder M, Vogel S, Underwood M. Reporting Outcomes of back pain trials: A modified Delphi study. (Blinded). Submitted, 2011

Froud R, Underwood M, Carnes D, Eldridge S, Clinicians' perceptions of reporting methods for back pain trials: a qualitative study. (Blinded). Submitted 2011

Froud R, Eldridge S, Diaz Ordaz K, Marinho V, Donner, A. Quality of cluster randomised controlled trials in oral health: a systematic review of reports published between 2005 and 2009. Community Dentistry and Oral Epidemiology, In Press 2011

Pincus T, Miles C, **Froud R**, Underwood M, Carnes D, Taylor SJ. Methodological criteria for the assessment of moderators in systematic reviews of Randomised Controlled Trials: a consensus study. BMC Med Res Methodol. 2011 Jan 31;11(1):14.

Carnes D, Mars TS, Mullinger B, **Froud R**, Underwood M. Adverse events and manual therapy: a systematic review. Man Ther. 2010 Aug;15(4):355-63

Froud R, Eldridge S, Lall R, Underwood M. Estimating Number Needed to Treat from continuous outcomes in randomised controlled trials: Methodological challenges and worked example using data from the UK Back Pain Exercise and Manipulation (BEAM) trial. BMC Med Res Meth 2009; 9:35

Rajendran D, Fossum C, Collins P, Mullinger B, **Froud, R** Monitoring self-reported adverse events: a prospective, pilot study in a UK osteopathic teaching clinic Int J Ost Med, 2009, 12(2):49-55

NON PEER-REVIEWED PUBLICATIONS

Croft P, **Froud R**, Lewis A. Dropouts and subgroups – statistics can help but not cure. Pain, 2010 Dec;151(3):563-4

Froud R, and Underwood M. Devaluing the currency. BMJ Rapid Response to Exercise therapy after corticosteroid injection for moderate to severe shoulder pain: large pragmatic randomised trial. Crawshaw et al BMJ 340:doi:10.1136/bmj.c3037 (Published 12 July 2010)

Froud R, Eldridge S, Lall R, and Underwood M. Using the number needed to treat to report outcomes. a reanalysis of the UK Back Pain Exercise and Manipulation Trial. *Journal of Bone and Joint Surgery - British Volume*, 2010, Vol 92-B, Issue SUPP I, 233

Froud R, Underwood M. Usual care in low back pain trials, *Brit J Gen Pract*, 2009, 559 (59): 209-210

Froud R, Eldridge S, and Underwood M, Outcome measures and power in non-specific low back pain trials. *Journal of Bone and Joint Surgery - British Volume*, 2009, Vol 91-B, Issue SUPPII, 284

Froud R, Underwood M, Eldridge, S, Reporting methods in back pain trials. Part I: Outcome measures. In: Kovacs F, editor. *Palma International Forum IX. Primary Care Research on Low Back Pain*; 2007: Palma de Mallorca: Kovacs foundation; 2007. p152

Froud R, Underwood M, Eldridge S, Reporting methods in back pain trials. Part II: The power of low back pain trials. In: Kovacs, F editor. *Palma International Forum IX. Primary Care Research on Low Back Pain*; 2007: Palma de Mallorca: Kovacs foundation; 2007. p153

Froud R The COP – A practitioner’s perspective. *The Osteopath*, 2007, 10(9):21

Froud R RE: The outer limits of osteopathy. *Osteopathy Today*, 2007, 1(5):18

PUBLISHED SOFTWARE

Froud R, Number Needed to Treat Calculator., Andstat. Android application, Android Market. Package name: info.robertfroud.andstat.nntcalc. October 2010

Froud R, Odds Ratio Calculator., Andstat. Android application, Android Market. Package name: info.robertfroud.andstat.orcalc, September 2010

Froud R, Relative Risk Calculator., Andstat. Android application, Android Market. Package name: info.robertfroud.andstat.rrcalc. September 2010

Froud R, Samclus - sample size calculator for randomised controlled trials., Andstat. Android application, Android Market. Package name: info.robertfroud.andstat.samclus, September 2010

Froud R, ROCMIC: Stata module to estimate minimally important change (MIC) thresholds for continuous clinical outcome measures using ROC curves. Boston College RePEc SSC Archive, s457052, 2009

Froud R, BCII: Stata module to estimate the number needed to treat (NNT) and confidence intervals for patients improving, or ‘benefiting’ (either improvements gained or deteriorations prevented), in a randomised controlled trial. Boston College RePEc SSC Archive, s457053, 2009

INVITED TALKS AND KEYNOTE LECTURES

ESO Research Event. *Researching Osteopathy – is there anything we can do?* November 2010

General Osteopathic Council (GOsC) conference, Manchester. *A conservative or liberal practice framework?* June 2009

GOsC conference, Stansted. *A conservative or liberal practice framework?* June 2009

GOsC conference, Glasgow. *A conservative or liberal practice framework?* March 2009

GOsC conference, Birmingham. *A conservative or liberal practice framework?* March 2009

National Council for Osteopathic Research (NCOR), Advancing Osteopathy. Queen Elizabeth Conference centre. *Should osteopathy get back to its roots?* January 2008

CONFERENCE PRESENTATIONS

Society for the Advancement of Primary Care (SAPC), Madingly Hall, Cambridge. Froud R, Eldridge S, Underwood M. The back pain reporting outcomes consensus (BaROC). January 2011

Barts and the London School of Medicine and Dentistry seminar series. Froud R, Eldridge S, Diaz-Ordaz K, Marinho V, Donner A. The Quality of cluster randomised trials in oral health. November 2010

Society of back pain research conference (SBPR) annual meeting. Froud R, Eldridge S, Underwood M. Face validity of reporting back pain trial outcomes. Chepstow, November 2009

LBP Forum X, Harvard School of Public Health. Patel S, Underwood M, Froud R, Friede T, Evans D, Lamb S. A systematic review of randomised control trials of clinical prediction rules for low back pain. June 2009

LBP Forum X, Harvard School of Public Health. Froud R, Eldridge S, Underwood M. Face validity of Back pain Outcome reporting methods (FABO). June 2009

LBP Forum X, Harvard School of Public Health. Froud R, Eldridge S, Underwood M. Minimally important change on the Roland Morris Disability Questionnaire. June 2009

LBP Forum X, Harvard School of Public Health. Froud R, Eldridge S, Lall R, Underwood, M. Estimating number needed to treat (NNT) from continuous outcomes in randomised controlled trials: methodological challenges and a worked example using data from the UK Back Pain Exercise and Manipulation (BEAM) trial. June 2009

SBPR, Keele University. Froud R, Eldridge S, Lall R, Underwood M. Calculating NNT using continuous outcome measures. A reanalysis of the UK BEAM trial. November 2008

SBPR, Keele University. Froud R, Eldridge S, Underwood, M. Minimally important change on the Roland Morris Disability Questionnaire. November, 2008

7th International Conference on Advances in Osteopathic Research (ICAOR), Florida. Froud R, Rajenderan D, Mullinger B, Collins P, Fossum C. How do patients feel post treatment? Pilot study of self-reported adverse events at a UK osteopathic teaching clinic. September 2008

SAPC, Madingly Hall, Cambridge. Froud R, Eldridge S, Underwood, M. Interpreting outcomes in back pain trials: UK BEAM – Was it meaningful? January 2008

LBP Forum IX, Palma de Mallorca. Froud R, Eldridge S, Underwood, M. Reporting methods in back pain trials. Part I: Outcome measures. October 2007

LBP Forum IX, Palma de Mallorca. Froud R, Eldridge S, Underwood, M. Reporting methods in back pain trials. Part II: The power of low back pain trials. October 2007

AWARDS

New Researcher Award for plenary presentation presentation ‘How do patients feel post treatment? Pilot study of self-reported adverse events at a UK osteopathic teaching clinic’ Froud R, Rajenderan D, Mullinger B, Collins P, Fossum C. 7th international conference on advances in osteopathic

research. Florida, September 2008

AAAS membership and a year subscription to *Science*. Nominated by the Dean of Barts and the London School of Medicine and Dentistry for the American Association for the Advancement of Science (AAAS), Excellence in Science programme. June 2008

2nd Place Poster prize. NCOR: Advancing Osteopathy. Queen Elizabeth Conference centre. Rajenderan D, Mullinger B, Collins P, Froud R, Fossum C. Adverse Events in osteopathy January

MEMBERSHIPS AND FELLOWSHIPS

Fellow of the Royal Statistical Society **Since 2009**

Member of the Society of Back Pain Research (SBPR) **Since 2008**

POST-GRADUATE COURSES AND RELEVANT TRAINING

Design and conduct of cluster randomised trials **December 2009 to September 2010**
Barts and the London, QMUoL

Joint modelling of longitudinal and survival data in clinical research (Joiner) **May 2009**
Medical Research Council

An introduction to medical statistics using Stata **September 2008**
Royal Statistical Society

Masterclass in the design and conduct of randomised trials **July 2007**
University of York

An introduction to Stata **December 2007**
Royal Statistical Society

Qualitative research interviewing **October 2007**
University of Surrey

Good clinical practice and research governance **July 2007**
Barts and the London, QMUoL

Clinimetrics: assessing measurement properties of health measurement instruments (C202) **May 2007**
VU university

Presenting research to an audience **April 2007**
Barts and the London, QMUoL

Becoming a PBL facilitator **March 2007**
Barts and the London, QMUoL

Introduction to Problem Based Learning (PBL)	Barts and the London, QMUoL	March 2007
Making a poster presentation	Barts and the London, QMUoL	March 2007
Objective Structured Clinical Examination (OSCE) training	Barts and the London, QMUoL	February 2007
Objective Structured Clinical Examination (OSCE) training	Barts and the London, QMUoL	February 2007
Advanced Research Methods, MSc module	Barts and the London, QMUoL	January 2007 to April 2007
Epidemiology and Statistics, MSc module	Barts and the London, QMUoL	September 2006 to April 2007
Research Methods, MSc module	Barts and the London, QMUoL	September 2006 to December 2007

COMPUTER SKILLS

Advanced knowledge of Android, Linux, and Windows computer operating systems.

Experience of programming using Basic, C++, HTML, Java, \LaTeX , MySQL, Mata, Pascal, PHP, R, Stata (C-like), Visual Basic 6, and Visual Basic .net

ADDITIONAL RELEVANT EXPERIENCE AND SKILLS

Peer-reviewer for BMJ, Manual therapy, and Osteopathic Medicine and Primary Care

National Council for Osteopathic Research (NCOR) research hub coordinator (Kent) in 2008

Institute of Health Sciences Student Staff Committee (SSC) representative from 2007 to 2009

PBL facilitator (for first and second year MBBS students), since 2008

Supervising and marking for BSc (Hons), BmedSci and MSc. Since 2003, 2007, and 2011 respectively

Objective Structured Clinical Examination (OSCE) examiner (part 3b) for final year MBBS students since 2007

Languages: English and French

International teaching experience (in medical screening) for colleges in Gothenburg, Oslo, Paris, and Toulouse

Extra-curricular: Amateur radio (licensed since 2005), skiing, music, and running