



Dr Ruth M. Hadfield BSc DPhil (Oxon) GCBiostat

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PROFILE

Over ten years research experience in an academic medical research environment. Expertise in the areas of Epidemiology, Obstetrics & Gynaecology, Genetics, Haematology & Neurology. Awarded a research based D.Phil. from the University of Oxford in 2000. Awarded a NHMRC post-doctoral training research fellowship in 2007. Established a freelance writing practice, Mediwrite, in January 2013.

KEY SKILLS

- Outstanding written communication skills with experience in journal publication (track record of 30 peer-reviewed articles published), acting as peer reviewer for international journals, preparation of reports, writing abstracts for conferences and poster presentations, and writing successful ethics and grant applications
- Experienced in advanced literature searching, systematic reviews of literature and report writing, including advisory reports to State and Federal government
- Excellent oral communication skills having presented research findings at international conferences and chaired academic meetings
- Scientific background with a wide skill-set including manipulation and management of large data sets, epidemiological methods and biostatistics
- Experienced in client liaison and medical science liaison at a senior level, with Professors, CEOs and Clinicians, and coordinating national and multi-national research studies
- Advanced computing skills – MS Office, EndNote referencing software, Statistical programs including intermediate SAS, Data Bases and Web Publishing Software
- Excellent inter-personal skills and the ability to work well both independently and as a team player

EDUCATION

2005 - 2007	University of Sydney, Australia Graduate Certificate in Biostatistics (GCBiostat – BCA program)
1996 - 1999	University of Oxford Completed a research based D.Phil. in Clinical Medicine investigating endometriosis. Thesis title: <i>'Studies on the genetic and environmental basis of endometriosis'</i> . Research included epidemiological studies, statistical genetics and laboratory based genetic studies.
1989 - 1991	University of Auckland, New Zealand Bachelor of Science degree



EMPLOYMENT HISTORY

2013 – present	<p>Freelance Medical Writer - Mediwrite Australia Established a successful freelance medical writing & research practice in January 2013. Wide range of projects and clients including Australian Federal government, Biotech industry, pharmaceutical industry and the not-for-profit sector (please see www.mediwrite.com.au for an extensive list). Specialist in systematic reviews, literature reviews and communicating the latest research to clinicians, pharmacists and health practitioners. Executive committee, newsletter editor and conference committee 2014 member for the Australasian Medical Writers' Association.</p>
2011 – 2012	<p>Multiple Sclerosis Research Australia NSW MS Network Research & Clinical Trials Facilitator. Writing of over 100 web articles for people with MS. Writing reports for State and Federal Government. Preparing grant applications. Acting project manager of MS Brain Bank. Progress in MS Research Conference Committee.</p>
2007 – 2010	<p>Department of Obstetrics & Gynaecology, Kolling Institute of Medical Research, University of Sydney Awarded NHMRC training research fellowship in 2007. Employed as a post-doctoral research fellow in Perinatal Research & Population Health.</p>
1995 - 2000	<p>Nuffield Department of Obstetrics & Gynaecology, University of Oxford Employed as Postgraduate Research Scientist investigating the genetic basis of endometriosis.</p>
1992 - 1994	<p>East Anglian Blood Transfusion Service University of Cambridge, Division of Transfusion Medicine Employed as Associate Clinical Scientist investigating the incidence of neonatal alloimmune thrombocytopenia.</p>

PEER REVIEW

Reviewer for peer reviewed journals, including:

- Medical Journal of Australia
- Human Reproduction (Oxford University Press)
- Biomed Central Pregnancy & Childbirth
- Hypertension in Pregnancy (Elsevier)



ORAL CONFERENCE PRESENTATIONS

Tips for writing a successful grant application (2011)

Oral presentation at the Progress in MS Research Conference, Melbourne.

Utilising linked health data to verify findings from small sample-size clinical studies: the example of endometriosis and pregnancy hypertension (2009) Hadfield R.M., Lain S.J., Raynes-Greenow C.H., Morris J.M. and Roberts C.L.

Oral presentation at the Exploiting Existing Data for Health Research International Conference (hosted by the Scottish Health Informatics Programme), University of St Andrews, Scotland, UK.

Validation of reporting of maternal medical conditions in hospital discharge data (2007). Hadfield, R.M., Lain, S., Cameron, C., Bell, J. and Roberts, C.L.

Oral presentation at the Health Services & Policy Research Conference, Auckland, New Zealand.

Magnetic resonance imaging to assess familial risk in relatives of women with endometriosis (1998) Hadfield, R., Westbrook, C., Weeks, D.E., Barlow, D., Golding, S. and Kennedy, S.

Oral presentation at the World Endometriosis Congress, Quebec City, Canada.

GSTM1 and GSTT1 and their relationship to endometriosis (1998) Hadfield, R., Manek, S., Nakago, S., Mardon, H., Barlow, D. and Kennedy, S.

Oral presentation at the World Endometriosis Congress, Quebec City, Canada.

Endometriosis in Rhesus Macaques (1996) Hadfield, R., Scheffler, J., Yudkin, P., Uno, H., Weeks, D., Coe, C., Barlow, D., Kemnitz, J. and Kennedy, S.

Oral presentation at the International Primatology Society/ASP conference, Wisconsin, USA.

PEER REVIEWED PUBLICATIONS

Raynes-Greenow, Camille H., Hadfield, Ruth M., Cistulli, P., Bowen, J., Allen, H., Roberts, C. Sleep apnea in early childhood associated with preterm birth but not small for gestational age: a population-based record linkage study. *Sleep*. Accepted for publication and published online July 2012. www.journalsleep.org/AcceptedPapers/SP-303-12.pdf

Lain, Samantha J., Hadfield, Ruth M., Raynes-Greenow, Camille H., Ford, Jane B., Mealing, Nicole M., Algert, Charles S., Roberts, Christine L. Quality of Data in Perinatal Population Health Databases: A Systematic Review *Medical Care*. 50(4):e7-e20, April 2012.

Vivian-Taylor, J., Sheng, J., Hadfield, R.M., Morris, J.M., Bowen, J., Roberts C. Trends in obstetric practices and meconium aspiration syndrome: a population-based study *BJOG: An International Journal of Obstetrics & Gynaecology* 2011, 118, 13: 1601–1607, December 2011. Article first published online: 6 SEP 2011

Jacobs, M., Nassar, N., Roberts, C., Hadfield, R., Morris, J., Ashton, A. Levels of soluble fms-like tyrosine kinase one in first trimester and outcomes of pregnancy: a systematic review. *Reproductive Biology and Endocrinology*. 2011; 9:77.

Lain, Samantha J., Ford, Jane B., Hadfield, Ruth M. and Roberts, Christine L. A prevalence survey of every-day activities in pregnancy. *BMC Pregnancy and Childbirth* 2010, 10:41

Hadfield, Ruth M., Lain, Samantha J., Simpson, Judy M., Ford, Jane B., Raynes-Greenow, Camille H., Morris, Jonathan M. and Roberts, Christine L. Are Babies Getting Bigger? An Analysis of Birth Weight Trends in New South Wales, 1990-2005. *Obstetrical & Gynecological Survey*. EDITORIAL COMMENT 64(7):445-447, July 2009.



Hadfield RM, Lain SJ, Simpson JM, Ford JB, Raynes-Greenow CH, Morris JM, Roberts CL.
Are Babies Getting Bigger? An analysis of birthweight trends in NSW 1990 – 2005.
MJA 2009, 190, 312-315.

Lain SJ, Ford JB, Raynes-Greenow CH, Hadfield RM, Simpson JM, Morris JM, Roberts CL.
The impact of the Baby Bonus payment: who is having 'one for the country'?
MJA 2009, 190, 238-241.

Hadfield RM, Lain SJ, Raynes-Greenow CH, Morris JM, Roberts CL.
Is there an association between endometriosis and the risk of preeclampsia? A population based study.
Human Reproduction 2009 Vol.24, No.9 pp. 2348–2352. [Published online ahead of print; May 14 2009].

Algert C.S., Bowen J.R., Hadfield R.M., Olive E.C., Morris J.M., Roberts C.L.
Birth at hospitals with co-located paediatric units for infants with diagnosable and correctable congenital malformations.
Aust. NZ J. Obs. Gyn. **2008**, 48, 272-278.

Lain S, Roberts C, Hadfield R, Bell J, Morris J M.
How accurate is the reporting of obstetric haemorrhage in hospital discharge data? A validation study.
Aust. NZ J. Obs. Gyn. **2008**, Volume 48 Issue 5, Pages 481 - 484.

Lain S, Ford JB, Hadfield RM, Blyth F, Giles WB, Roberts CL.
Trends in epidural analgesia use in Australia.
Int. J. Gynaecol. Obstet. **2008** Volume 102, Issue 3, Pages 253-258.

Roberts CL, Bell JC, Ford, JB, Hadfield RM, Algert CS, Morris, JM.
The accuracy of reporting of the hypertensive disorders of pregnancy in population health data.
Hypertens in Preg. **2008**, 27(3):285-297.

Hadfield RM, Lain SJ, Cameron SA, Bell JC, Morris JM and Roberts CL.
The prevalence of maternal medical conditions during pregnancy and a validation of their reporting in hospital discharge data.
Aust. NZ J. Obs. Gyn. **2008** 48: 78-82.

Roberts C, Lain, S and Hadfield, R.
Quality of Population Health Data Reporting by Mode of Delivery.
Birth **2007** 34(3): 274-5.

Zondervan KT, Weeks DE, Colman R, Cardon LR, Hadfield R, Schleffler J, Trainor AG, Coe CL, Kemnitz JW, Kennedy SH.
Familial aggregation of endometriosis in a large pedigree of rhesus macaques.
Hum Reprod. **2004** Feb;19(2):448-55.

Treloar S, Hadfield R, Montgomery G, Lambert A, Wicks J, Barlow DH, O'Connor DT, Kennedy S; International Endogene Study Group.
The International Endogene Study: a collection of families for genetic research in endometriosis.
Fertil Steril. **2002** Oct;78(4):679-85.

Nakago S, Hadfield RM, Zondervan KT, Mardon H, Manek S, Weeks DE, Barlow D, Kennedy S.
Association between endometriosis and N-acetyl transferase 2 polymorphisms in a UK population.
Mol Hum Reprod. **2001** Nov;7(11):1079-83.

Hadfield RM, Manek S, Weeks DE, Mardon HJ, Barlow DH, Kennedy SH; OXEGENE Collaborative Group.
Linkage and association studies of the relationship between endometriosis and genes encoding the detoxification enzymes GSTM1, GSTT1 and CYP1A1.
Mol Hum Reprod. **2001** Nov;7(11):1073-8.

Hadfield RM, Pullen JG, Davies KF, Wolfensohn SE, Kemnitz JW, Weeks DE, Bennett ST, Kennedy SH.
Toward developing a genome-wide microsatellite marker set for linkage analysis in the rhesus macaque (*Macaca mulatta*): identification of 76 polymorphic markers.
Am J Primatol. **2001** Aug;54(4):223-31.



Hadfield RM, Manek S, Nakago S, Mukherjee S, Weeks DE, Mardon HJ, Barlow DH, Kennedy SH.
Absence of a relationship between endometriosis and the N314D polymorphism of galactose-1-phosphate uridyl transferase in a UK population.
Mol Hum Reprod. **1999** Oct;5(10):990-3.

Kennedy S, Hadfield R, Westbrook C, Weeks DE, Barlow D, Golding S.
Magnetic resonance imaging to assess familial risk in relatives of women with endometriosis.
Lancet. **1998** Oct 31;352(9138):1440-1.

Williamson LM, Hackett G, Rennie J, Palmer CR, Maciver C, Hadfield R, Hughes D, Jobson S, Ouwehand WH.
The natural history of fetomaternal alloimmunization to the platelet-specific antigen HPA-1a (PI^{A1}, Zwa) as determined by antenatal screening. *Blood.* **1998** Oct 1;92(7):2280-7.

Suchard MA, Hadfield R, Elliott T, Kennedy S.
Beyond providing information: the Internet as a research tool in reproductive medicine.
Hum Reprod. **1998** Jan;13(1):6-7. Review.

Hadfield RM, Mardon HJ, Barlow DH, Kennedy SH.
Endometriosis in monozygotic twins.
Fertil Steril. **1997** Nov;68(5):941-2.

Kennedy S, Hadfield R, Barlow D, Weeks DE, Laird E, Golding S.
Use of MRI in genetic studies of endometriosis.
Am J Med Genet. **1997** Aug 22;71(3):371-2.

Hadfield RM, Yudkin PL, Coe CL, Scheffler J, Uno H, Barlow DH, Kemnitz JW, Kennedy SH.
Risk factors for endometriosis in the rhesus monkey (*Macaca mulatta*): a case-control study.
Hum Reprod Update. **1997** Mar-Apr;3(2):109-15.

Hadfield R, Mardon H, Barlow D, Kennedy S.
Delay in the diagnosis of endometriosis: a survey of women from the USA and the UK.
Hum Reprod. **1996** Apr;11(4):878-80.

Kennedy S, Hadfield R, Mardon H, Barlow D.
Age of onset of pain symptoms in non-twin sisters concordant for endometriosis.
Hum Reprod. **1996** Feb;11(2):403-5.

Bessos H, Mirza S, McGill A, Williamson LM, Hadfield R, Murphy WG.
A whole blood assay for platelet HPA1 (PLA1) phenotyping applicable to large-scale screening.
Br J Haematol. **1996** Jan;92(1):221-5.