



Professor Richard Martin

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Summary

My current principal areas of research are: i) prostate cancer aetiology (with a focus on metabolic factors such as the IGF system), predicting its progression and secondary and tertiary prevention of the disease via population-based screening and low-toxicity nutritional and lifestyle interventions; ii) the short- and long-term child and adult health effects of breastfeeding and early growth; and iii) uncovering unexpected beneficial and adverse effects of commonly prescribed drugs through pharmaco-epidemiological studies based on automated clinical databases such as the UK GPRD. I am lead principal investigator (with Jenny Donovan, Freddie Hamdy and David Neal) on a population-based cluster randomised controlled trial of PSA testing for prostate cancer (the CAP trial) that involves over 410,000 UK men and co-principal investigator (with Mike Kramer and Emily Oken) on the long-term follow-up of a cluster randomised controlled trial of a breastfeeding promotion intervention that involves over 17,000 children in the Republic of Belarus (the PROBIT trial). I am lead principal investigator (with Professor Caroline Relton) on a £4.1 million CRUK programme grant in Integrative Cancer Epidemiology, combining genetic, metabolomic and epigenetic technologies to understand causal risk factors, mechanistic targets and predictive biomarkers in a variety of cancers. In was co-PI with Dr Sarah Lewis on the WCRF funded project to develop systematic review methodology for mechanistic studies. I lead a cancer work-stream within the Bristol NIHR Biomedical Research Centre. I am interested in robustly assessing the causality of observational associations using instrumental variables analysis, working in collaboration with Frank Windmeijer, George Davey Smith, Tom Palmer and Neil Davies. With Willie Hamilton, Mike Stevens, Rachel Dommet and Theresa Redaniel, I have a developing interest in the presentation and diagnosis of childhood, teenage and young adult cancers in primary care.

Biography

I am currently Professor of Clinical Epidemiology in the School of Social and Community Medicine, University of Bristol. I qualified in Medicine from the University of Nottingham, trained and worked as a GP, and then built on an interest in epidemiology (that was first sparked during my intercalated BMedSci at Nottingham) by doing the MSc in Epidemiology at the London School of Hygiene and Tropical Medicine. I subsequently moved to Bristol to take up a Lecturer post and then a Wellcome Trust Research Training Fellowship in Clinical Epidemiology, and have worked at the School of Social and Community Medicine ever since.

Teaching

I am Co-Director of Graduate Studies in the School of Social and Community Medicine (with Alan Montgomery). With George Davey Smith and Ian day, I run a Wellcome Trust 4-year PhD programme in Molecular, Genetic and Lifecourse epidemiology. I teach clinical epidemiology to first and fourth year medical students and am currently supervising 4 PhD students. I am tutor to 5 first and second year medical students. I am past examiner for the Faculty of Public Health Part A exam.

Memberships

Organisations

[Bristol Medical School \(PHS\)](#)

Other sites

- [Cancer](#)
- [Populationhealth](#)

Centres, collaborations and units

- [Centre for Public Health](#)

Recent publications

- Murphy, T, Hwang, H, Kramer, M, Martin, R, Oken, E & Yang, S, 2019, '[Assessment of eating attitudes and dieting behaviors in healthy children: Confirmatory factor analysis of the Children's Eating Attitudes Test](#)'. *International Journal of Eating Disorders*.
- Watts, EL, Donovan, J, Holly, JMP, Lane, JA, Martin, R & , 2019, '[The associations of anthropometric, behavioural and sociodemographic factors with circulating concentrations of IGF-I, IGF-II, IGFBP-1, IGFBP-2, and IGFBP-3 in a pooled analysis of 16,024 men from 22 studies](#)'. *International Journal of Cancer*.
- Robles, L, Dawe, K, Martin, R, Higgins, J & Lewis, S, 2019, '[Does Testosterone Mediate the Relationship Between Vitamin D and Prostate Cancer? A Systematic Review and Meta-Analysis Protocol](#)'. *Systematic Reviews*, vol 8.
- Adams, C, Richmond, RC, Ferreira, DLDS, Spiller, W, Tan, VY, Zheng, J, Wurtz, P, Donovan, JL, Hamdy, FC, Neal, DE, Lane, JA, Smith, GD, Relton, CL, Eeles, RA, Henderson, BE, Haiman, CA, Kote-Jarai, Z, Schumacher, FR, Al Olama, AA, Benlloch, S, Muir, K, Berndt, SI, Conti, DV, Wiklund, F, Chanock, SJ, Gapstur, SM, Stevens, VL, Tangen, CM, Batra, J, Clements, JA, Grönberg, H, Pashayan, N, Schleutker, J, Albanes, D, Wolk, A, West, CML, Mucci, LA, Cancel-Tassin, G, Koutros, S, Sørensen, KD & others 2019, '[Circulating Metabolic Biomarkers of Screen-Detected Prostate Cancer in the ProtecT Study](#)'. *Cancer Epidemiology, Biomarkers and Prevention*, vol 28., pp. 209-218
- Johansson, M, Carreras-Torres, R, Scelo, G, Purdue, MP, Mariosa, D, Muller, DC, Timpson, NJ, Haycock, PC, Brown, KM, Wang, Z, Ye, Y, Hofmann, JN, Foll, M, Gaborieau, V, Machiela, MJ, Colli, LM, Li, P, Garnier, J-G, Blanche, H, Boland, A, Burdette, L, Prokhortchouk, E, Skryabin, KG, Yeager, M, Radojevic-Skodric, S, Ognjanovic, S, Foretova, L, Holcatova, I, Janout, V, Mates, D, Mukeriya, A, Rascu, S, Zaridze, D, Bencko, V, Cybulski, C, Fabianova, E, Jinga, V, Lissowska, J, Lubinski, J, Navratilova, M & others 2019, '[The influence of obesity-related factors in the etiology of renal cell carcinoma-A mendelian randomization study](#)'. *PLoS Medicine*, vol 16., pp. e1002724
- Biernacka, K, Holly, JMP, Martin, R, Frankow, A, Bull, C, Hamdy, F, Donovan, J, Neal, D, Metcalfe, C & Lane, JA, 2019, '[Effect of green tea and lycopene on the insulin-like growth factor system \(IGFs\): the ProDiet randomised controlled trial](#)'. *European Journal of Cancer Prevention*.
- Aris, I, Rifas-Shiman, SL, Li, L-J, Yang, S, Belfort, MB, Thompson, J, Hivert, M-F, Patel, R, Martin, R, Kramer, MS & Oken, E, 2018, '[Association of Weight for Length vs Body Mass Index During the First 2 Years of Life With Cardiometabolic Risk in Early Adolescence](#)'. *JAMA - Journal of the American Medical Association*, vol 1.
- Martin, R, Donovan, J, Turner, E, Metcalfe, C, Young, G, Walsh, E, Lane, JA, Noble, S, Oliver, S, Evans, S, Sterne, J, Holding, PN, Ben-Shlomo, Y, Brindle, P, Williams, N, Hill, E, Ng, SY, Davis, J, Tazewell, M, Hughes, LJ, Davies, C, Thorn, J, Down, L, Smith, GD, Neal, D, Hamdy, F & , 2018, '[Effect of a Low-Intensity PSA-Based Screening Intervention on Prostate Cancer Mortality: The CAP Randomized Clinical Trial](#)'. *JAMA - Journal of the American Medical Association*, vol 319., pp. 883-895
- Sanghera, S, Coast, J, Martin, RM, Donovan, JL & Mohiuddin, S, 2018, '[Cost-effectiveness of prostate cancer screening: a systematic review of decision-analytical models](#)'. *BMC Cancer*, vol 18.
- , Dadaev, T, Saunders, EJ, Newcombe, PJ, Anokian, E, Leongamornlert, DA, Brook, MN, Cieza-Borrella, C, Mijuskovic, M, Wakerell, S, Al Olama, AA, Schumacher, FR, Berndt, SI, Benlloch, S, Ahmed, M, Goh, C, Sheng, X, Zhang, Z, Muir, K, Govindasami, K, Lophatananon, A, Stevens, VL, Gapstur, SM, Carter, BD, Tangen, CM, Goodman, P, Thompson, IM, Batra, J, Chambers, S, Moya, L, Clements, J, Horvath, L, Tilley, W, Risbridger, G, Gronberg, H, Aly, M, Nordström, T, Pharoah, P, Pashayan, N, Schleutker, J & others 2018, '[Fine-mapping of prostate cancer susceptibility loci in a large meta-analysis identifies candidate causal variants](#)'. *Nature Communications*, vol 9.

[View complete publications list](#) in the University of Bristol publications system

Projects

- [Boyd Orr Cohort Study](#)
- [Cluster Randomised Trial of PSA Testing for Prostate Cancer \(CAP\)](#)
- [Promotion of Breastfeeding Intervention Trial \(PROBIT IV\)](#)