

Dr Martin Read PhD

Research Fellow

Endocrinology, Diabetes and Metabolism

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About

Martin Read is a Research Fellow working with Professor Chris McCabe and Professor Jayne Franklyn in the School of Clinical and Experimental Medicine.

Qualifications

- PhD (Diabetes research) University of Birmingham 1996
- BSc (First Class with Honours in Biochemistry) University of Birmingham 1991

Biography

Martin Read qualified with a BSc (Hons) in Biochemistry from the University of Birmingham in 1991. He went on to study for a PhD in Medicine as a Wellcome Trust Prize Student at the University of Birmingham, receiving this in 1996. Martin then worked for 3 years at the University of Aberdeen with Professor Kevin Docherty.

Subsequently, Martin joined the Institute for Cancer Studies at the University of Birmingham in 1997 with Professor Leonard Seymour. Apart from one year at the University of Oxford (2002-2003), Martin has continued to work in Birmingham studying axon regeneration with Professor Ann Logan (2003-2006) and the role of novel oncogenes in the pathogenesis of thyroid cancer with Professor Chris McCabe (2007-Present).

Martin has published over 45 articles, including research papers in scientific journals, reviews and book chapters, in the fields of gene therapy, diabetes, neuroscience and cancer.

Teaching

Teaching Programmes

- MRes Molecular Medicine- Hormones and Genes
- BMedSc3 Molecular Medicine
- BMedSc2 Understanding Thyroid Function
- MBChB Year 1 Poster SS

Postgraduate supervision

Martin is currently co-supervisor of three PhD students with Professor Chris McCabe

Research

Murine models of tumourgenesis

Investigations into the role of the oncogenes PBF, PTTG and p53 in thyroid and colon cancer

Studying the mechanisms of genetic instability in thyroid and colon cancer

Other activities

Postdoc Representative, School of Clinical and Experimental Medicine, 2011-Present

GM reviewer, College GM Safety Committee, 2011-Present

Editorial Advisor, Therapy Journal, 2003-2011

Scientific Consultant, Hybrid Systems Ltd, Oxford 2001-2003

Current member of the following societies:

- American Association for Cancer research (AACR)
- The Endocrine Society
- The British Endocrine Society

Publications

Read, M.L., Lewy, G.D., Fong, J.C.W., Sharma, N., Seed, R.I., Smith, V.E., Gentilin, E., Warfield, A., Eggo, M.C., Knauf, J.A., Leadbeater, W.E., Watkinson, J.C., Franklyn, J.A., Boelaert, K. and McCabe, C.J. (2011), Proto-oncogene PBF/PTTG1IP regulates thyroid growth and represses radioiodide treatment. *Cancer Research* (in press).

Ahmed, Z., Douglas, M.R., Read, M.L., Berry, M. and Logan, A. (2011), Citron kinase regulates axon growth through a pathway that converges on cofilin downstream of RhoA. *Neurobiology of Disease* 41(2), 421-429.

Watkins, R.J., Read, M.L., Smith, V.E., Sharma, N., Reynolds, G.M., Buckley, L., Doig, C., Campbell, M.J., Lewy, G., Eggo, M.C., Loubiere, L.S., Franklyn, J.A., Boelaert, K. and McCabe, C.J. (2010), PTTG binding factor- a new gene in breast cancer. *Cancer Research* 70(9), 3739-3749.

Ahmed, Z., Read, M.L., Berry, M. and Logan, A. (2010), Satellite glia not DRG neurons constitutively activate EGFR but EGFR inactivation is not correlated with axon regeneration. *Neurobiology of Disease* 39(3), 292-300.

Smith, V.E., Read, M.L., Turnell, A.S., Watkins, R.J., Watkinson, J.C., Lewy, G.D., Fong, J.C.W., James, S.R., Eggo, M.C., Boelaert, K., Franklyn, J.A. and McCabe, C.J. (2009) A novel mechanism of sodium iodide symporter repression in differentiated thyroid cancer. *Journal of Cell Science* 122(18), 3393-3402.

Read ML, Mir S, Spice R, Seabright RJ, Suggate EL, Ahmed Z, Berry M and Logan A (2009) Profiling RNAi-mediated toxicity in neural cultures for effective siRNA design. *Journal of Gene Medicine* 11(6), 523-534.

Farrow PJ, Barrett LB, Stevenson M, Fisher KD, Finn J, Spice R, Allan MA, Berry M, Logan A, Seymour LW and Read ML (2006) Cytoplasmic expression systems triggered by mRNA yield increased gene expression in post-mitotic neurons. *Nucleic Acids Res* 34(11), e80: 1-12.

Read, M.L., Singh, S., Ahmed, Z., Stevenson, M., Briggs, S.S., Oupicky, D., Barrett, L.B., Spice, R., Kendall, M., Berry, M., Preece, J.A., Logan, A. and Seymour, L.W. (2005) A versatile reducible polycation-based system for efficient delivery of a broad range of nucleic acids. *Nucleic Acids Research* 33(9), e84: 1-16.

