CURRICULUM VITAE:

17 April 2013

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Qualifications

2010	Senior Investigator	National Institute for Health Research
2009	FMedSci	Academy of Medical Sciences
2007	FRCPath	Royal College of Pathologists UK
2006	FRCP	Royal College of Physicians UK
2002	CCST in Neurology	Specialist Training Authority
2001	MRCPath	Royal College of Pathologists (Molecular Genetics)
2000	PhD	University of Newcastle upon Tyne
1995	MRCP	Royal College of Physicians UK
1992	MBBS (Hons)	University of Newcastle upon Tyne
1989	BMedSci (1st)	University of Newcastle upon Tyne

GMC registration: 3565366 Revalidation date: 18/03/2018 RCP No: 63022

Appointments

2010 – Director, Institute of Genetic Medicine, Newcastle University.
2008 – Director, Newcastle NIHR Biomedical Centre.
2010 – 2013 Senior Public Orator. Newcastle Univeristy.
2007 – 2010 Public Orator designate. Newcastle Univeristy.
2004 – Professor of Neurogenetics, Newcastle Univeristy.
2004 – Associate Editor, Brain.
2003 – 2013 Wellcome Trust Senior Fellow in Clinical Science.

Active Grant Awards

2012 – 2014 **Medical Research Council – Efficacy Mechanism Evaluation** Stratifying patients with Leber Hereditary Optic Neuropathy (LHON) for idebenone therapy using mitochondrial DNA analysis (PI £570K)

2012 – 2014 **Wellcome Trust Senior Fellowship Enhancement.** (084980/Z/08/A) Whole exome sequencing for neurogenetic disorders. (PI £290K)

2012 – 2017 **Wellcome Trust Centre Award – Newcastle Centre for Mitochondrial Research.** (096919Z/11/Z) (Deputy Director, Co-PI, £4.4M)

2012 – 2017 **National Institute for Health Research – Biomedical Research Centre** (PFC Director, Applied for £8.3M, awarded £16.6M).

2008 – 2013 **Wellcome Trust Senior Clinical Fellowship 1st Renewal** (084980/Z/08/Z) The inheritance and expression of mitochondrial DNA disease. (£1.135 million).

Publications Total = 380 *h*-index = 55 on 1st March 2013.

Payne BAI, Wilson IJ, Yu-Wai-Man P, Coxhead J, Deehan D, Horvath R, Taylor RW, Samuels DC, Santibanez-Koref M, Chinnery PF. Universal heteroplasmy of human mitochondrial DNA. ***Human Molecular Genetics*** 2013 Jan 15;22(2):384-90PMID:23077218.

Freyer C, Cree LM, Mourier A, Stewart JB, Koolmeister C, Milenkovic D, Wai T, Floros V, Hagström E, Chatzidaki EE, Wiesner R, Samuels DC, Larsson N-G, Chinnery PF. Variation in germ line mtDNA heteroplasmy is determined prenatally but modified during subsequent transmission**.** ***Nature Genetics*** 2012;44(11):1282-5. PMID:23042113.

Payne BAI, Wilson IJ, Hateley CA, Horvath R, Santibanez-Koref M, Samuels DC, Price D Ashley, Chinnery PF. Mitochondrial aging is accelerated by anti-retroviral therapy through the clonal expansion of mtDNA mutations. ***Nature Genetics*** 2011:43(8):806-10. doi: 10.1038/ng.863. PMID:216060024. (comment in *News and Views, Nature Genetics* 2011:43:726-7)

Klopstock T, Yu-Wai-Man P, Dimitriadis K, Rouleau J, Heck S, Bailie M, Atawan A, Chattopadhyay S, Schubert M, Garip A, Kernt M, Petraki D, Rummey C, Leinonen M, Metz G, Griffiths PG, Meier T, and Chinnery PF. A randomized placebo-controlled trial of idebenone in Leber's hereditary optic neuropathy. ***Brain*** 2011;134:2666-86. PMID: 21788663. Scientific commentary in *Brain* and *New Scientist* 30th July 2011, p11. Selected by the Faculty of 1000 to be on the top 2% of biology publications.

Chinnery PF, Elliott HR, Syed A, Rothwell P Mitochondrial DNA sub-haplogroup K reduces the risk of transient ischaemic attack and ischaemic stroke. ***Lancet Neurology*** 2010 May;9(5):498-503. PMID: 20362514. *Accompanying commentaries in Lancet Neurology, New Scientist, and Nature Reviews Neurology*.

Samuels DC, Wonnapinij P, Cree LM, Chinnery PF. Reassessing evidence for a post-natal mitochondrial genetic bottleneck. ***Nature Genetics*** 2010: Jun;42(6):471-2. PMID: 20502486

Cree LM, Samuels DC, Chuva de Sousa Lopes S, Rajasimha HK, Wonnapinij P, Mann JR, Dahl H-H.M. Chinnery PF. A reduction in the number of mitochondrial DNA molecules during embryogenesis explains the rapid segregation of genotypes. ***Nature Genetics*** 2008: 40(2):249-54. PMID: 18223651

Elliott HR, Samuels DC, Eden JA, Relton CL, Chinnery PF. Pathogenic mitochondrial DNA mutations are common in the general population. ***American Journal of Human Genetics*** 2008 Aug;83(2):254-60. PMID: 18674747