

# Siddharthan Chandran

## Current Post (2009 – present)

MacDonald Professor of Neurology

Director, Edinburgh Neuroscience, University of Edinburgh & Hon Consultant Neurologist

## Previous Appointments

2008-09 University Lecturer in Restorative Neurology, University of Cambridge

2006-09 Honorary Consultant Neurologist, Cambridge University Hospitals

2005-06 Brain Exit Scholarship

2004-09 Fellow, Kings College, Cambridge

2000-05 MRC Clinical Scientist Fellowship, University of Cambridge

1999-03 Clinical Lecturer, Department of Neurology, University of Cambridge

1995-98 MRC Clinical Training Fellowship, University of Cambridge

1990-95 Junior Medical Posts – Hammersmith, Middlesex and UCL Hospitals

## Education

2000 **PhD, University of Cambridge**

1990 **Bachelor of Medicine, University of Southampton**

## Awards & marks of esteem

2013 - **Member Luxembourg Science Research Panel (AFR)**

2012-16 **Member MRC Neuroscience and Mental Health Panel**

2010 **FRCP, Edinburgh**

1993 **MRCP (UK)**

## Key current grants

<b>MRC</b>	Dementia Stem Cell Partnership. S.Chandran (PI) plus 5 UK HEI other applicants	2016-2020	<b>£1,200,000</b>
<b>MS Society UK</b>	Edinburgh Centre for MS Research. S Chandran (PI) & C ffrench-Constant	2015-2020	<b>£2,000,000</b>
<b>BBSRC</b>	Glial cell involvement in spinal motor control: cheering from the side-lines or part of the team? Miles (PI), Pulver and Chandran	2015-2018	<b>£505,000</b>
<b>NC3Rs</b>	Human stem cell derived neurones and astrocytes as an in vitro model of human prion infection and replication. Head (PI), Chandran, Ironside, Manson	2015-2017	<b>£268,000</b>
<b>Biogen Idec-University of Edinburgh</b>	Joint Discovery Partnership. S.Chandran (co-PI), G.Hardingham (co-PI), D.Lyons, C.ffrench-Constant, D.Mahad	2013-2016	<b>US\$3,000,000</b>

## Key Publications

Anna-Claire Devlin, Karen Burr, Christopher E Shaw, [Siddharthan Chandran](#) and Gareth B Miles. Human iPSC-derived motoneurons harbouring TDP-43 or C9orf72 ALS mutations are dysfunctional despite maintaining viability in culture. **Nature Commun.** **12;6:5999 (2015)**

Sami J. Barmada, Andrea Serio, Michael Pleiss, Christopher Shaw, [Siddharthan Chandran](#), and Steven Finkbeiner. Neuronal autophagy induction improves survival in ALS models by enhancing TDP43 clearance. **Nature Chem Biol** **10:677-85 (2014)**

Serio, B. Bilican, S.J. Barmada, I. Wilmut, T. Maniatis, C. E. Shaw, S. Finkbeiner, [S. Chandran](#). Astrocyte pathology and the absence of non-cell autonomy in an induced pluripotent stem cell model of TDP-43 proteinopathy. **PNAS** **110: 4697-702 (2013)**

Bilican, A. ... G.Q. Daley, D. J. A. Wyllie, G. E. Hardingham, I. Wilmut, S. Finkbeiner, T. Maniatis, C. E. Shaw, [S. Chandran](#). Mutant induced pluripotent stem cell lines recapitulate aspects of TDP-43 proteinopathies and reveal cell specific vulnerability. **PNAS** **109:5803-8 (2012)**

Connick P, Kolappan M, Thompson AJ, Compston A, Scott MA, Miller DH, [Chandran S](#). Autologous mesenchymal stem cells for the treatment of secondary progressive multiple sclerosis: an open-label phase 2a proof-of-concept study. **Lancet Neurol** **11:150-6 (2012)**