

Name Peter St. GEORGE-HYSLOP
Affiliation University of Cambridge & University of Toronto
Department CIMR (Cambridge) and Tanz CRND (Toronto)
Cambridge, UK & Toronto, Canada
phs22@cam.ac.uk & p.hyslop@utoronto.ca



Education

1987 Postdoc, Neuroscience & Genetics, Massachusetts General Hospital
1987 Postdoc, Neuroscience & Genetics, Harvard University
1985 FRCPC in Neurology, Royal College of Physicians
1982 FRCPC in Internal Medicine, Royal College of Physicians
1976 MD in Medicine, University of Ottawa

Positions held

2007 - present Professor of Experimental Neuroscience, University of Cambridge
2003 - present University Professor, Dept. of Medicine (Neurology), University of Toronto
1995 - 2018 Director, Centre for Research in Neurodegenerative Diseases, University of Toronto
1996 - 2003 Professor, Dept of Medicine (Neurology), University of Toronto
1991 - 1996 Assistant Professor, Dept. of Medicine (Neurology), University of Toronto
1987 - 1991 Instructor in Neurology & Genetics, Harvard Medical School, Harvard University

Awards & Honours

Fellow Royal Society
Foreign Member, US National Academy of Medicine

Five selected (recent) publications

1. Qamar S, Wang G, Randle SJ, Ruggeri FS, Varela JA, Lin JQ, Phillips EC, Miyashita A, Williams D, Ströhl F, Meadows W, Ferry R, Dardov VJ, Tartaglia GG, Farrer LA, Kaminski Schierle GS, Kaminski CF, Holt CE, Fraser PE, Schmitt-Ulms G, Klenerman D, Knowles T, Vendruscolo M, **St George-Hyslop P** (2018)
FUS Phase is Modulated by a Molecular Chaperone and by Methylation of Arginine Cation- π Interactions
Cell 173(3), pp. 720-734
2. Sims R, van der Lee SJ, Naj A, Bellenguez C, Badarinarayan N, Jakobsdottir J, Kunkle J, Boland A, Raybould R, **St George-Hyslop P** (2017)
Novel rare coding variants in PLCG2, ABI3 and TREM2 implicate microglial-mediated innate immunity in Alzheimer's disease
Nature Genetics 49(9), pp. 1373-1384
3. Murakami T, Qamar S, Lin JQ, Kaminski Schierle GS, Rees E, Miyashita A, Costa AR, Dodd RB, Chan FTS, Michel CH, Kronenberg-Versteeg D, Li Y, Yang SP, Wakutani Y, Meadows W, Ferry RR, Dong L, Tartaglia GG, Giorgio Favrin G, Lin WL, Dickson DW, Zhen M, Ron D, Schmitt-Ulms G, Fraser PE, Shneider NA, Holt C, Vendruscolo M, Kaminski CF, **St George-Hyslop P** (2015)
ALS/FTD mutation-induced phase transition of FUS liquid droplets and reversible hydrogels into irreversible hydrogels impairs RNP granule function
Neuron 88(4), pp. 678-690
4. Rogaev EI, Sherrington R, Rogaeva EA, Levesque G, Ikeda M, Liang Y, Chi H, Lin C, Holman K, Tsuda T, Mar L, Sorbi S, Nacmias B, Piacentini S, Amaducci L, Chumakov I, Cohen D, Lannfelt L, Fraser PE, Rommens JM, **St George-Hyslop P** (1995)
Familial Alzheimer's disease in kindreds with missense mutations in a gene on chromosome 1 related to the Alzheimer's Disease type 3 gene
Nature 376, pp. 775-778
5. Sherrington R, Rogaev E, Liang Y, Rogaeva E, Levesque G, Ikeda MH, Chi H, Lin C, Li G, Holman K, Tsuda T, Mar L, Foncin J-F, Bruni AC, Montesi MP, Sorbi S, Rainero I, Pinessi L, Nee Y, Chumakov D, Pollen D, Tanzi RE, Wasco W, Haines JL, DaSilva R, Pericak-Vance MA, Roses AD, Fraser PE, Rommens JM, **St George-Hyslop P** (1995)
Cloning of a novel gene bearing missense mutations in early onset familial Alzheimer Disease
Nature 375, pp. 754-760