

BIOGRAPHICAL SKETCH

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NAME: Lock, Christopher

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POSITION TITLE: Clinical Associate Professor

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	END DATE MM/YYYY	FIELD OF STUDY
King's College London, and London Hospital Medical College	BS	07/1977	Pre-Clinical Medicine, Psychology
Westminster Hospital Medical School, London	MBBS	07/1980	Medicine
University of London, Faculty of Medicine, London	PHD	07/1989	Genetics, Immunology
Stanford University, Department of Microbiology and Immunology, Stanford, CA	Postdoctoral Fellow	07/1993	Immunology
Stanford University Medical Center, Stanford, CA	Resident	07/1994	Internal Medicine
Department of Neurology and Neurological Sciences, Stanford University Medical Center, Stanford, CA	Resident	07/1997	Neurology
Department of Neurology and Neurological Sciences, Stanford University, Stanford, CA	Fellow	07/2000	Multiple sclerosis

A. Personal Statement

I am currently a Clinical Associate Professor in the Department of Neurology and Neurological Sciences at Stanford, and work in the Multiple Sclerosis / Neuroimmunology Clinic. The Stanford Neuroscience Health Center MS Clinic has 6 MS specialists and provides care for about 6000 MS patients. As well as seeing MS patients in clinic, I am involved in clinical research and teaching medical students, residents, and fellows. I am the Director of Clinical Trials for our section.

- Han MH, Lundgren DH, Jaiswal S, Chao M, Graham KL, Garris CS, Axtell RC, Ho PP, Lock CB, Woodard JI, Brownell SE, Zoudilova M, Hunt JF, Baranzini SE, Butcher EC, Raine CS, Sobel RA, Han DK, Weissman I, Steinman L. Janus-like opposing roles of CD47 in autoimmune brain inflammation in humans and mice. *J Exp Med.* 2012 Jul 2;209(7):1325-34. PubMed Central PMCID: PMC3405500.
- Bhat R, Axtell R, Mitra A, Miranda M, Lock C, Tsien RW, Steinman L. Inhibitory role for GABA in autoimmune inflammation. *Proc Natl Acad Sci U S A.* 2010 Feb 9;107(6):2580-5. PubMed Central PMCID: PMC2823917.
- Lock C, Hermans G, Pedotti R, Brendolan A, Schadt E, Garren H, Langer-Gould A, Strober S, Cannella B, Allard J, Klonowski P, Austin A, Lad N, Kaminski N, Galli SJ, Oksenberg JR, Raine CS, Heller R, Steinman L. Gene-microarray analysis of multiple sclerosis lesions yields new targets validated in autoimmune encephalomyelitis. *Nat Med.* 2002 May;8(5):500-8. PubMed PMID: 11984595.
- Chabas D, Baranzini SE, Mitchell D, Bernard CC, Rittling SR, Denhardt DT, Sobel RA, Lock C, Karpuj M, Pedotti R, Heller R, Oksenberg JR, Steinman L. The influence of the proinflammatory cytokine, osteopontin, on autoimmune demyelinating disease. *Science.* 2001 Nov

B. Positions, Scientific Appointments and Honors

Positions and Scientific Appointments

- 2015 - Clinical Associate Professor, Stanford University, Stanford, CA
- 2008 - 2015 Neurologist, Palo Alto Medical Foundaton, Palo Alto, CA
- 2006 - 2008 Research Scientist, Carantech Biosciences, Inc., Mill Valley, CA
- 2000 - 2006 Neurologist, Palo Alto Medical Foundation, Palo Alto, CA
- 1997 - 2000 Visiting Scientist , Roche Bioscience, Palo Alto, CA
- 1986 - 1988 Visiting Worker, Human Immunogenetics Laboratory, Imperial Cancer Research Fund , London
- 1985 - 1986 Research Registrar, Molecular Immunogenetics and Tissue Typing Laboratories, Guy's Hospital, London
- 1985 - 1988 Research Registrar, Department of Neurology, King's College Hospital , London
- 1984 - 1985 Senior House Officer: Neurology / Neurosurgery, King's College Hospital and Maudsley Hospital, London
- 1983 - 1983 Senior House Officer: Accident and Emergency, Charing Cross Hospital, London
- 1983 - 1984 Senior House Officer, Registrar Rotation: Internal Medicine, Gastroenterology, Rheumatology, King's College Hospital, Frimley Park Hospital, St. Peter's Hospital Chertsey
- 1980 - 1981 House Officer: General Surgery, Urology, Radiotherapy, Internal Medicine, Royal Surrey County Hospital and Westminster Hospital

Honors

- 1997 - 2000 Clinician Scientist Award, National Multiple Sclerosis Society
- 1975 Barry Prize, Associate of King's College Exam, King's College, London, United Kingdom
- 1974 Entrance Scholarship, Westminster Hospital Medical School, London, United Kingdom

C. Contribution to Science

1. Microarray profiling of multiple sclerosis lesions
 - a. Lock C, Hermans G, Pedotti R, Brendolan A, Schadt E, Garren H, Langer-Gould A, Strober S, Cannella B, Allard J, Klonowski P, Austin A, Lad N, Kaminski N, Galli SJ, Oksenberg JR, Raine CS, Heller R, Steinman L. Gene-microarray analysis of multiple sclerosis lesions yields new targets validated in autoimmune encephalomyelitis. *Nat Med.* 2002 May;8(5):500-8. PubMed PMID: 11984595.
2. Identification of osteopontin in multiple sclerosis lesions
 - a. Steinman L, Youssef S, Van Venrooij N, Chabas D, Baranzini SE, Rittling S, Denhardt D, Sobel RA, Lock C, Pedotti R, Oksenberg JR. Response to Comment on "The Influence of the Proinflammatory Cytokine, Osteopontin, on Autoimmune Demyelinating Disease". *Science (New York, N.Y.)*. 2003 March 21; 299(5614):1845. DOI: 10.1126/science.1080223
 - b. Chabas D, Baranzini SE, Mitchell D, Bernard CC, Rittling SR, Denhardt DT, Sobel RA, Lock C, Karpuj M, Pedotti R, Heller R, Oksenberg JR, Steinman L. The influence of the proinflammatory cytokine, osteopontin, on autoimmune demyelinating disease. *Science.* 2001 Nov 23;294(5547):1731-5. PubMed PMID: 11721059.

Complete List of Published Work in My Bibliography:

<https://www.ncbi.nlm.nih.gov/myncbi/christopher.lock.1/bibliography/57178545/public/>