



Christopher Lock

Clinical Associate Professor, Neurology & Neurological Sciences

 Curriculum Vitae available Online

CLINICAL OFFICES

- **Stanford Neuroscience Health Center**

213 Quarry Rd 4th Fl

MC 5957

Palo Alto, CA 94304

Tel (650) 723-6469

Fax (650) 498-6045

Bio

CLINICAL FOCUS

- Multiple Sclerosis
- Neuroimmunology
- Neurology

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Neurology & Neurological Sciences

ADMINISTRATIVE APPOINTMENTS

- Clinical Trials Director, Stanford Multiple Sclerosis and Neuroimmunology Program, (2015- present)
- Member, SHC Pharmacy and Therapeutics Specialty Drug Sub-Committee, (2016-2017)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Academy of Neurology (1994 - present)

PROFESSIONAL EDUCATION

- Board Certification: Neurology, American Board of Psychiatry and Neurology (2020)
- Fellowship: Stanford University Neuroimmunology and Multiple Sclerosis Fellowship (2000) CA
- Residency: Stanford University Neurology Residency (1997) CA
- Internship: Stanford University Internal Medicine Residency (1994) CA
- Medical Education: Westminster Medical School (1980) England

LINKS

- Support our research: <http://med.stanford.edu/neurology/research.html>
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Publications

PUBLICATIONS

- **B Cells, T Cells and Inflammatory CSF Biomarkers in Primary Progressive MS and Relapsing MS in the OBOE (Ocrelizumab Biomarker Outcome Evaluation) Trial**
Bar-Or, A., Bennett, J., Von Budingen, H., Carruthers, R., Edwards, K., Fallis, R., Fiore, D., Gelfand, J., Giacomini, P., Greenberg, B., Hafler, D., Longbrake, E., Assman, et al
LIPPINCOTT WILLIAMS & WILKINS.2020
- **Ocrelizumab treatment reduced levels of neurofilament light chain and numbers of B cells in the cerebrospinal fluid of patients with relapsing multiple sclerosis in the OBOE study**
Cross, A., Bennett, J., von Budingen, H., Carruthers, R., Edwards, K., Fallis, R., Fiore, D., Gelfand, J., Giacomini, P., Greenberg, B., Hafler, D., Harp, C., Assman, et al
LIPPINCOTT WILLIAMS & WILKINS.2019
- **MR susceptibility contrast imaging using a 2D simultaneous multi-slice gradient-echo sequence at 7T. *PloS one***
Bian, W., Kerr, A. B., Tranvinh, E., Parivash, S., Zahneisen, B., Han, M. H., Lock, C. B., Goubran, M., Zhu, K., Rutt, B. K., Zeineh, M. M.
2019; 14 (7): e0219705
- **Autoimmune Hepatitis During Treatment of Multiple Sclerosis with Alemtuzumab**
Carlson, A., Bozinov, N., Kipp, L., Dunn, J., Lock, C.
LIPPINCOTT WILLIAMS & WILKINS.2018
- **A Multi-scale Multiple Sclerosis Lesion Change Detection in a Multi-sequence MRI**
Cheng, M., Galimzianova, A., Lesjak, Z., Spiclin, Z., Lock, C. B., Rubin, D. L., Stoyanov, D., Taylor, Z., Carneiro, G., SyedaMahmood, T.
SPRINGER INTERNATIONAL PUBLISHING AG.2018: 353–60
- **Janus-like opposing roles of CD47 in autoimmune brain inflammation in humans and mice *JOURNAL OF EXPERIMENTAL MEDICINE***
Han, M. H., Lundgren, D. H., Jaiswal, S., Chao, M., Graham, K. L., Garris, C. S., Axtell, R. C., Ho, P. P., Lock, C. B., Woodard, J. I., Brownell, S. E., Zoudilova, M., Hunt, et al
2012; 209 (7): 1325-1334
- **Inhibitory role for GABA in autoimmune inflammation *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA***
Bhat, R., Axtell, R., Mitra, A., Miranda, M., Lock, C., Tsien, R. W., Steinman, L.
2010; 107 (6): 2580-2585
- **Gene-microarray analysis of multiple sclerosis lesions yields new targets validated in autoimmune encephalomyelitis *NATURE MEDICINE***
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, et al
2002; 8 (5): 500-508
- **The influence of the proinflammatory cytokine, osteopontin, on autoimmune demyelinating disease *SCIENCE***
Chabas, D., Baranzini, S. E., Mitchell, D., Bernard, C. C., Rittling, S. R., Denhardt, D. T., Sobel, R. A., Lock, C., Karpuj, M., Pedotti, R., Heller, R., Oksenberg, J. R., Steinman, et al
2001; 294 (5547): 1731-1735
- **The role of TNF alpha and lymphotoxin in demyelinating disease *ANNALS OF THE RHEUMATIC DISEASES***
Lock, C., Oksenberg, J., Steinman, L.
1999; 58: 121-128
- **The role of TNFalpha and lymphotoxin in demyelinating disease. *Annals of the rheumatic diseases***
Lock, C., Oksenberg, J., Steinman, L.
1999; 58: 1121-8
- **EXPRESSION OF HLA-DR4 AND HUMAN CD4 TRANSGENES IN MICE DETERMINES THE VARIABLE REGION BETA-CHAIN T-CELL REPERTOIRE AND MEDIATES AN HLA-DR-RESTRICTED IMMUNE-RESPONSE *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA***
Fugger, L., Michie, S. A., Rulifson, I., Lock, C. B., McDevitt, G. S.

1994; 91 (13): 6151-6155

- **MINIMUM STRUCTURAL REQUIREMENTS FOR PEPTIDE PRESENTATION BY MAJOR HISTOCOMPATIBILITY COMPLEX CLASS-II MOLECULES - IMPLICATIONS IN INDUCTION OF AUTOIMMUNITY** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

Gautam, A. M., Lock, C. B., Smilek, D. E., Pearson, C. I., Steinman, L., McDevitt, H. O.

1994; 91 (2): 767-771

- **ANTIGEN RECOGNITION AND PEPTIDE-MEDIATED IMMUNOTHERAPY IN AUTOIMMUNE-DISEASE** *IMMUNOLOGICAL REVIEWS*

Smilek, D. E., Lock, C. B., McDevitt, H. O.

1990; 118: 37-71