

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed on Form Page 2.
Photocopy this page or follow this format for each person.

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|--|---------------------------|---|----------------|
| NAME Stephen L. Hauser, M.D. | | POSITION TITLE Chair and Robert A. Fishman Distinguished Professor, Department of Neurology, UCSF | |
| EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.) | | | |
| INSTITUTION AND LOCATION | DEGREE (if applicable) | YEAR(s) | FIELD OF STUDY |
| Massachusetts Institute of Technology, Cambridge, MA | S.B. | 1971 | Chemistry |
| Harvard Medical School, Boston, MA | M.D. | 1975 | Medicine |

A. Positions and Honors.**Postdoctoral Training:**

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| 1975-76 | Intern in Medicine, The New York Hospital, Cornell Medical Center, New York, NY |
| 1976-77 | Resident in Medicine, The New York Hospital, Cornell Medical Center, New York, NY |
| 1977-80 | Resident in Neurology, Massachusetts General Hospital, Boston, MA |
| 1983-86 | Moseley Fellow, Harvard University, Visiting Scientist, Institut Pasteur |

Licensure and Certification:

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| 1978 | American Board of Internal Medicine |
| 1981 | American Board of Psychiatry and Neurology |
| 1992- | Medical Board of California License #G75715 |

Academic Appointments:

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| 1986-89 | Assistant Professor of Neurology, Assistant Physician, Massachusetts General Hospital |
| 1989-92 | Associate Professor of Neurology, Harvard Medical School |
| 1992- | Professor and Chair, Department of Neurology, UCSF |

Selected Awards and Honors:

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| 1987-92 | Harry Weaver Neuroscience Scholar, National Multiple Sclerosis Society |
| 1988-93 | Rita Allen Foundation Award |
| 1991-98 | Javits Neuroscience Investigator, National Institute of Health |
| 1997 | Fellow, American Academy of Arts and Sciences |
| 1998 | Member, Association of American Physicians |
| 1999 | Member, Institute of Medicine |
| 2002 | Outstanding Teacher (Golden Toe) Residents Award, UCSF Dept. of Neurology |

Selected National Committees:

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| 1991- | Medical Advisory Board, National Multiple Sclerosis Society |
| 1997-2002 | NINDS Study Section, NSDB |
| 2002- | Membership Committee, Institute of Medicine |
| 2003- | NINDS Neuroscience Training Committee |
| 2003- | President Elect, American Neurological Association |

B. Selected peer-reviewed publications (in chronological order).

Publications selected from 175 peer-reviewed publications

- Uccelli, A., Giunti, D., Mancardi, G., Caroli, F., Fiorone, M., Seri, M., **Hauser, S.L.** and Genain, C.P.: Characterization of the response to myelin basic protein in a non human primate model for multiple sclerosis. Eur. J. Immunol. 31:474-479, 2001.
- The Multiple Sclerosis Genetics Group: Green, A.J., Barcellos, L.F., Rimmler, J.B., Garcia, M.E., Caillier, S., Lincoln, R.R., Bucher, P., Pericak-Vance, M., Haines, J.L., **Hauser, S.L.**, Oksenberg, J.R. Sequence variation in the transforming growth factor- β 1 (TGFB1) gene and disease expression in multiple sclerosis. J. Neuroimmunol.16:116-124, 2001.

- *3. Barcellos, L.F., Cailler, S., Dragone, L., Elder, M., Vittinghoff, E., Bucher, P., Pericak-Vance, M., Haines, J.L., Weiss A., **Hauser, S.L.**, Oksenberg, J.R. *PTPRC (CD 45)* is not associated with the development of multiple sclerosis in U.S. Caucasian patients. *Nature Genetics* 29:23-24, 2001.
- *4. von Büdingen, H.C., Tanuma, N., Villoslada, P., Ouallet, J.C., **Hauser, S.L.**, Genain, C.P. Immune responses against myelin oligodendrocyte glycoprotein in experimental autoimmune demyelination. *J. Clin. Immunol.* 21:155-170, 2001.
5. The Multiple Sclerosis Genetics Group: Pericak-Vance, M.A., Rimmler, J.B., Martin, E.R., Haines, J.L., Garcia M.E., Oksenberg, J.R., Barcellos, L.F., Lincoln, R., Goodkin, D.E. and **Hauser, S.L.** A detailed examination of chromosome 19q13 in multiple sclerosis using linkage and association analysis. *Neurogenetics.* 3:195-201, 2001.
- *6. von Büdingen, H.C., **Hauser, S.L.**, Nabavi, C.B. and Genain, C.P. Characterization of the expressed immunoglobulin IGHV repertoire in the New World marmoset *Callithrix jacchus*. *Immunogenetics.* 53:557-563, 2001.
- *7. Villoslada, P., Abel, K., Heald, N., Goertsches, R., **Hauser, S.L.**, and Genain, C.P. Frequency, heterogeneity and encephalitogenicity of T cells specific for myelin oligodendrocyte glycoprotein in naïve outbred primates. *Eur. J. Immunol.* 31:2942-2950, 2001.
- *8. Genain, C.P., **Hauser, S.L.** Experimental allergic encephalomyelitis in the New World monkey *Callithrix jacchus*. *Immunol. Rev.* 183:159-172, 2001.
9. Patarroyo J.C., Stuve, O., Piskurich, J.F., **Hauser, S.L.**, Oksenberg, J.R., Zamvil, S.S. Single nucleotide morphisms in MHC2TA, the gene encoding the MHC class II transactivator(CIITA). *Genes Immun.*3:34-37,2002.
- *10.The Multiple Sclerosis Genetics Group: Barcellos, L.F., Oksenberg, J.R., Green, A.J., Bucher, P., Rimmler, J.B., Schmidt, S., Garcia, W.E., Lincoln, R.R., Pericak-Vance, M.A., Haines, J.L., **Hauser, S.L.** Genetic basis for clinical expression in multiple sclerosis. *Brain.* 125:150-158, 2002.
11. The Multiple Sclerosis Genetics Group: Schmidt S., Barcellos, L., DeSombre K., Rimmler J., Lincoln R., Bucher P., Saunders A., Lai E., Martin E., Vance J., Oksenberg J., **Hauser S.L.**, Haines J, Pericak-Vance M. Association of polymorphisms in the apolipoprotein E region with susceptibility to and progression of multiple sclerosis. *Am. J. Hum. Genet.* 70: 708-717, 2002.
- *12.Koehler, N.K.U., Genain, C.P., Geisser, B., and **Hauser S.L.** The human T cell response to myelin oligodendrocyte glycoprotein: A multiple sclerosis family based study. *J. Immunol.* 168:5920-5927, 2002.
- *13.von Büdingen, H.C., **Hauser, S.L.**, Fuhrmann, A., Nabavi, C.B., Genain, C.P. Molecular characterization of prominent antibody specificities against myelin/oligodendrocyte glycoprotein in autoimmune demyelination. *Proc. Natl. Acad. Sci. USA* 99:8207-8212, 2002.
- *14.Villoslada P., Barcellos L.F., Rio J., Tintore M., Begovich A., Sastre-Garriga J., Casquero P., **Hauser S.L.**, Montalban X., Oksenberg J.R. The HLA locus and multiple sclerosis in Spain. Role in disease susceptibility, clinical course and response to interferon- β . *J. Neuroimmunol.* 130: 194-201, 2002.
15. The Multiple Sclerosis Genetics Group: Haines J.L., Bradford Y., Garcia M.E., Reed, A.D., Neumeister E., Pericak-Vance M., Rimmler J.B., Menold M.M., Martin E.R., Oksenberg J.R., Barcellos L.F., Lincoln R., **Hauser S.L.** Multiple susceptibility loci for multiple sclerosis. *Hum. Mol. Genet.* 11: 2251-2256, 2002.
- *16.The Multiple Sclerosis Genetics Group: Barcellos L.F., Oksenberg J.R., Begovich A.B., Martin E.R., Schmidt, S., Vittinghoff E., Goodin D.S., Pelletier D., Lincoln R.R., Bucher P., Swerdlin A., Pericak-Vance M.A., Haines J.L., **Hauser S.L.** HLA-DR2 dose effect on susceptibility to multiple sclerosis and influence on disease course. *Am. J. Hum. Genet.* 72:710-716 2003.
17. Sriram, U., Barcellos, L., Villoslada, P., Rio, J., Baranzini, S., Caillier, S., Stillman, A., **Hauser, S.L.**, Montalban, X., Oksenberg, J.R. Pharmacogenomic analysis of interferon receptor polymorphisms in multiple sclerosis. *Genes Immun.* 4: 147-152, 2003.
18. The Multiple Sclerosis Genetics Group: Callier S., Barcellos L.F., Baranzini, S.E., Swerdlin A., Lincoln R.R., Steinman L., Haines J.L., Pericak-Vance M., **Hauser S.L.**, Oksenberg J.R., Osteopontin polymorphisms and disease course in multiple sclerosis. *Genes Immun.* 4: 312-315, 2003.
19. The American-French Multiple Sclerosis Genetics Group: Fontaine, B., Cournu, I., Clanet, M., Babron M.-C., Lyon-Caen, O., Edan, G., Pericak-Vance, M.A., Rimmler, J.B., Haines, J.L., Garcia, M.E., Oksenberg, J.R., Barcellos, L.F., Lincoln, R., **Hauser, S.L.** Investigation of seven proposed regions of linkage in multiple sclerosis: A U.S. and French collaborative study. *Neurogenet.* 5:45-48, 2004.
20. Mirel, D.B., Barcellos, L.F., Wang, J., Hauser, S.L., Oksenberg, J.R., Erlich, H.A. Association of *IL4R* Haplotypes with Multiple Sclerosis. *Genes and Immun.* 5:138-41, 2004.
21. Oksenberg, J.R., Barcellos, L.F., Cree, B.A., Baranzini, S.E., Bugawan, T.L., K, O., Lincoln, R.R., Swerdlin, A., Mignot, E., Lin, L., Goodin, D., Erlich, H.A., Schmidt, S., Thomson, G., Reich, D.E., Paricak-Vance, M.A., Haines, J.L., **Hauser, S.L.**, Mapping multiple sclerosis susceptibility to the *HLA-DR1* locus in African Americans. *Am. J. Hum. Genet.* 74: 160-167, 2004.
22. Oksenberg, J.R., Barcellos, L.F., Begovich, A.B., Brassat, D., Caillier, S.J., Cree, B.C., Erlich, H.A., Grams, S.E., Haines, J.L., Hauser, S.L., Lincoln, R., R., Pericak-Vance, M.A., Reynolds, R.L., Schmidt, S., Steiner, L.L., Stillman, A., Walker, K., Linkage and association with the *NOS2A* locus on ch.17q11 in multiple sclerosis. *Ann Neurol*, in press.
23. Reich, D., Patterson, N., Hattangadi, N., Lane, B., Lohmueller, K.E., Hafler, D.A., Oksenberg, J.R., **Hauser, S.L.**, Smith, M.W., O'Brien, S.J., Altshuler, D., Daly, M.J., Methods for high density admixture mapping of disease genes. *Am J Hum Genet.* 74:979-1000, 2004.

C. Research Support

ACTIVE (Principal Investigator Only)

“Mechanisms of EAE” 4/1/03 – 3/31/08
NIH 5R01 AI43073-11

“Establishment of a Core DNA Repository for Multiple Sclerosis” 4/1/02 - 3/31/07
National Multiple Sclerosis Society RG 2899-B-7

“Immunologic and Genetic Correlates of Multiple Sclerosis” 7/1/03 - 6/30/04
Nancy Davis Foundation