Stanford

Steven Lee Mcintire

Clinical Associate Professor, Neurology & Neurological Sciences

CLINICAL OFFICES

- **Stanford Neuroscience Clinic**

  211 Quarry Rd Ste 206 MC5992

  Palo Alto, CA 94304

  Tel (650) 723-6469 **Fax** (650) 725-0390

Bio

CLINICAL FOCUS

- Neurology

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Neurology & Neurological Sciences

HONORS AND AWARDS

- Honors, Stanford University, Biology (1982)
- Carl Walter Memorial Fellow, Harvard Medical School (1984-1985)
- Frank Knox Memorial Fellow, Harvard Medical School (1985-1986)
- MSTP Scholar, Harvard Medical School (1984-1992)
- Clinical Investigator Development Award, NINDS (1996-2001)
- Basil O'Connor Award, March of Dimes (1997-1999)
- Klingenstein Award, Klingenstein Foundation (1998-2001)
- Rober H. Ebert Clinical Scholar, Klingenstein Foundation (1998-2001)
- Medical Science Scholar Award, Charles E. Culpeper Foundation (1998-2002)

PROFESSIONAL EDUCATION

- Residency: UCSF Dept of Neurology (1996) CA
- Board Certification: Neurology, American Board of Psychiatry and Neurology (1998)
- Internship: The Malden Hospital (1993) MA
- Medical Education: Harvard Medical School (1992) MA
- Board Certification, American Board of Psychiatry and Neurology , Neurology (1998)
- Residency, UCSF Medical Center , Neurology (1996)
- Internship, Malden Hospital , Medicine (1993)

- Medical Education, Harvard Medical School (1992)
- Ph.D., Harvard Medical School , Neuroscience (1992)
- MS, Stanford University , Biology (1982)
- BS, Stanford University , Biology (1981)

LINKS

- Get a Second Opinion: https://stanfordhealthcare.org/second-opinion/overview.html

Publications

PUBLICATIONS

- **A Caenorhabditis elegans p38 MAP kinase pathway mutant protects from dopamine, methamphetamine, and MDMA toxicity** *NEUROSCIENCE LETTERS*
  Schreiber, M. A., McIntire, S. L.
  2011; 498 (1): 99-103
- **A Novel zf-MYND Protein, CHB-3, Mediates Guanylyl Cyclase Localization to Sensory Cilia and Controls Body Size of Caenorhabditis elegans** *PLOS GENETICS*
  Fujiwara, M., Teramoto, T., Ishihara, T., Ohshima, Y., McIntire, S. L.
  2010; 6 (11)
- **Conserved Role of unc-79 in Ethanol Responses in Lightweight Mutant Mice** *PLOS GENETICS*
  Speca, D. J., Chihara, D., Ashique, A. M., Bowers, M. S., Pierce-Shimomura, J. T., Lee, J., Rabbee, N., Speed, T. P., Gularte, R. J., Chitwood, J., Medrano, J. F., Liao, M., Sonner, et al
  2010; 6 (8)
- **Manipulation of Behavioral Decline in Caenorhabditis elegans with the Rag GTPase raga-1** *PLOS GENETICS*
  Schreiber, M. A., Pierce-Shimomura, J. T., Chan, S., Parry, D., McIntire, S. L.
  2010; 6 (5)
- **Ethanol.** *WormBook : the online review of C. elegans biology*
  McIntire, S. L.
  2010: 1-6
- **The Dystrophin Complex Controls BK Channel Localization and Muscle Activity in Caenorhabditis elegans** *PLOS GENETICS*
  Kim, H., Pierce-Shimomura, J. T., Oh, H. J., Johnson, B. E., Goodman, M. B., McIntire, S. L.
  2009; 5 (12)
- **Ethanol preference in C-elegans** *GENES BRAIN AND BEHAVIOR*
  Lee, J., Jee, C., McIntire, S. L.
  2009; 8 (6): 578-585
- **Genetic analysis of crawling and swimming locomotory patterns in C. elegans** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Pierce-Shimomura, J. T., Chen, B. L., Mun, J. J., Ho, R., Sarkis, R., McIntire, S. L.
  2008; 105 (52): 20982-20987
- **Loss of RAB-3/A in Caenorhabditis elegans and the mouse affects behavioral response to ethanol** *GENES BRAIN AND BEHAVIOR*
  Kapfhamer, D., Bettinger, J. C., Davies, A. G., Eastman, C. L., Smail, E. A., Heberlein, U., McIntire, S. L.
  2008; 7 (6): 669-676
- **The G-protein-coupled serotonin receptor SER-1 regulates egg laying and male mating behaviors in Caenorhabditis elegans** *JOURNAL OF NEUROSCIENCE*
  Carnell, L., Illi, J., Hong, S. W., McIntire, S. L.
  2005; 25 (46): 10671-10681
- **State-dependancy in C-elegans** *GENES BRAIN AND BEHAVIOR*
  Bettinger, J. C., McIntire, S. L.

2004; 3 (5): 266-272

- **SNF-6 is an acetylcholine transporter interacting with the dystrophin complex in Caenorhabditis elegans** *NATURE*
  Kim, H., Rogers, M. J., Richmond, J. E., McIntire, S. L.
  2004; 430 (7002): 891-896
- **Natural variation in the npr-1 gene modifies ethanol responses of wild strains of C. elegans** *NEURON*
  Davies, A. G., Bettinger, J. C., Thiele, T. R., Judy, M. E., McIntire, S. L.
  2004; 42 (5): 731-743
- **Using C. elegans to screen for targets of ethanol and behavior-altering drugs.** *Biological procedures online*
  Davies, A. G., McIntire, S. L.
  2004; 6: 113–19
- **The use of Caenorhabditis elegans in molecular neuropharmacology** *INTERNATIONAL REVIEW OF NEUROBIOLOGY, VOL 62*
  Bellinger, J. C., Carnell, L., Davies, A. G., McIntire, S. L.
  2004; 62: 195-212
- **A central role of the BK potassium channel in behavioral responses to ethanol in C-elegans** *CELL*
  Davies, A. G., Pierce-Shimomura, J. T., Kim, H., VanHoven, M. K., Thiele, T. R., Bonci, A., Bargmann, C. I., McIntire, S. L.
  2003; 115 (6): 655-666
- **Regulation of body size and behavioral state of C-elegans by sensory perception and the EGL-4 cGMP-dependent protein kinase** *NEURON*
  Fujiwara, M., Sengupta, P., McIntire, S. L.
  2002; 36 (6): 1091-1102
- **A family of yeast proteins mediating bidirectional vacuolar amino acid transport** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Russnak, R., Konczal, D., McIntire, S. L.
  2001; 276 (26): 23849-23857
- **Identification and characterization of the vesicular GABA transporter** *NATURE*
  McIntire, S. L., Reimer, R. J., Schuske, K., Edwards, R. H., Jorgensen, E. M.
  1997; 389 (6653): 870-876
- **THE GABAERGIC NERVOUS-SYSTEM OF CAENORHABDITIS-ELEGANS** *NATURE*
  McIntire, S. L., Jorgensen, E., Kaplan, J., Horvitz, H. R.
  1993; 364 (6435): 337-341
- **GENES REQUIRED FOR GABA FUNCTION IN CAENORHABDITIS-ELEGANS** *NATURE*
  McIntire, S. L., Jorgensen, E., Horvitz, H. R.
  1993; 364 (6435): 334-337
- **GENES NECESSARY FOR DIRECTED AXONAL ELONGATION OR FASCICULATION IN C-ELEGANS** *NEURON*
  McIntire, S. L., Garriga, G., WHITE, J., Jacobson, D., Horvitz, H. R.
  1992; 8 (2): 307-322
- **A GENETIC PATHWAY FOR THE DEVELOPMENT OF THE CAENORHABDITIS-ELEGANS HSN MOTOR NEURONS** *NATURE*
  Desai, C., Garriga, G., McIntire, S. L., Horvitz, H. R.
  1988; 336 (6200): 638-646
- **HYPOTHALAMIC CATECHOLAMINE CHANGES UNDER ACUTE STRESS OCCUR INDEPENDENTLY OF NICOTINIC STIMULATION** *NEUROSCIENCE LETTERS*
  Roth, K. A., McIntire, S. L., Lorenz, R. G., BARCHAS, J. D.
  1982; 28 (1): 47-50
- **NICOTINIC-CATECHOLAMINERGIC INTERACTIONS IN RAT-BRAIN - EVIDENCE FOR CHOLINERGIC NICOTINIC AND MUSCARINIC INTERACTIONS WITH HYPOTHALAMIC EPINEPHRINE** *JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS*
  Roth, K. A., McIntire, S. L., BARCHAS, J. D.
  1982; 221 (2): 416-420