

CURRICULUM VITAE

STINA MUI SINGEL, MD, PhD

CURRENT POSITIONS

Medical oncologist at Washington Hematology-Oncology
Instructor of Physiology at Pacific Northwest University of Health Sciences
Postdoctoral systems biology research fellow at University of California, San Diego (UCSD)

LICENSURE, CERTIFICATION

2008 Board Certification in Internal Medicine from American Board of Internal Medicine
2008 Eligibility for board certification in Medical Oncology

2008 Medical licensure, Washington
2005 Medical licensure, California

PHYSICIAN-SCIENTIST TRAINING

2006-current Postdoctoral systems biology research fellow, UCSD (San Diego, CA)
2006-2008 Clinical Fellow, Medical Oncology, UCSD (San Diego, CA)
2006-2007 Clinical Fellow, Stem Cell research, California Institute for Regenerative Medicine
2004-2006 Residency in Internal Medicine, UCSD (San Diego, CA)
2004-2005 Internship in Internal Medicine, UCSD (San Diego, CA)
2004-2008 Physician Scientist Training Program, UCSD (San Diego, CA)
1992-1995 Neurology research at Massachusetts General Hospital (Boston, MA)

EDUCATION

1996-2004 Medical Scientist Training Program, UCSD (San Diego, CA)
MD, 2004
PhD in Neurosciences, 2002, The Salk Institute

1991-1995 Harvard University (Cambridge, MA)
Magna Cum Laude, Biology, BA

PROFESSIONAL MEMBERSHIP

2006-2008 American Society of Hematology (ASH)
2006-current American Society of Clinical Oncology (ASCO)

AWARDS AND HONORS

2001 Washington Square Health Foundation Scholar, The Salk Institute (San Diego, CA)
2000 Paul D. Saltman TA Excellence in Teaching Award, UCSD
1996-2004 Medical Scientist Training Award from the National Institute of Health, UCSD
1996 Black belt, World Tae Kwan Do Association (Cambridge, MA)
1995 Graduated Magna Cum Laude from Harvard University (Cambridge, MA)
1991 National Merit Scholar

PEER-REVIEWED PUBLICATIONS

Mui SH, Kim JW, Lemke G, Bertuzzi S. (2005) Vax genes ventralize the embryonic eye. *Genes Dev* 19(10): 1249-59.

Mui SH, Hindges R, O'Leary DD, Lemke G, Bertuzzi S. (2002) The homeodomain protein Vax2 patterns the dorsoventral and nasotemporal axes of the eye. *Development* 129(3):797-804.

Rebeck GW, Moir RD, **Mui S**, Strickland DK, Tanzi RE, Hyman BT. (2001) Association of membrane-bound amyloid precursor protein APP with the apolipoprotein E receptor LRP. *Brain Res Mol Brain Res* 87(2): 238-245.

Bertuzzi S, Hindges R, **Mui SH**, O'Leary DDM, Lemke G. (1999) The homeodomain protein Vax1 is required for axon guidance in the developing eye and brain. *Genes and Development* 13:3092-3105.

Mui S, Briggs M, Chung H, Wallace RB, Gomez-Isla T, Rebeck GW, Hyman BT. (1996) A newly identified polymorphism in the apolipoprotein E enhancer gene region is associated with Alzheimer's disease and strongly with the epsilon 4 allele. *Neurology* 47(1):196-201.

Mui S, Rebeck GW, McKenna-Yasek D, Hyman BT, Brown RH Jr. (1995) Apolipoprotein E epsilon 4 allele is not associated with earlier age at onset in amyotrophic lateral sclerosis. *Ann Neurol* 38(3):460-3.

Gomez-Isla T, Hollister R, West H, **Mui S**, Growdon JH, Petersen RC, Parisi JE, Hyman BT. (1997) Neuronal loss correlates with but exceeds neurofibrillary tangles in Alzheimer's disease. *Ann Neurol* 41(1):17-24.

Hyman BT, Gomez-Isla T, Rebeck GW, Briggs M, Chung H, West HL, Greenberg S, **Mui S**, Nichols S, Wallace R, Growdon JH. (1996) Epidemiological, clinical, and neuropathological study of apolipoprotein E genotype in Alzheimer's disease. *Ann N Y Acad Sci* 802:1-5

Gomez-Isla T, Rebeck GW, Growdon JH, **Mui S**, Brown RH, Hyman BT. (1995) Molecular epidemiology of Alzheimer's disease: effect of apoE genotype. *Neurology* 45: A471.

Hyman BT, West HL, Harr S, Gomez-Isla T, **Mui S**. (1994) Quantitative neuropathology in Alzheimer disease: neuronal loss in high order association cortex parallels dementia. *Neurobiol Aging* 44: S141.

ABSTRACTS / POSTERS

Mui SH, Beyer A, Ideker T. (April 2008) Two Distinct Cell Populations are Capable of Repopulating Mammary Gland. Abstract presented as poster presentation at the American Society for Clinical Investigation / Association of American Physicians (ASCI/AAP) annual meeting, Chicago, IL.

Mui SH, Beyer A, Ideker T. (October 2007) Expression Analysis of Stem-Cell Enriched Populations in the Mammary Gland. Abstract presented as poster at the Annual Stem Cell Meeting on the Mesa, presented by The San Diego Consortium for Regenerative Medicine (CIRM). The Salk Institute for Biological Studies, La Jolla, CA.

Mui SH, Bertuzzi S, Adlkofer K, Lemke G. (October 1999) Ventral Anterior Homeobox 2 (VAX2) is implicated in axon guidance in the central and peripheral nervous systems. Abstract presented as poster at the Society for Neuroscience annual meeting, Miami, Florida.

CURRENT RESEARCH INTEREST

The treatment of breast cancer has taken great leaps in recent years due to earlier detection and development of new chemotherapeutics and targeted therapy. Unfortunately, more than 40,000 women still die of breast cancer yearly. New approaches to both detection and treatment of breast cancer are needed. My interest lies in characterizing breast cancer stem cells that may provide the keys to both earlier detection and novel approaches to treatment of cancer resistant to current treatments, especially the so-called "triple-negative" breast cancer, or breast cancer not expressing hormone receptors or Her2/neu receptors.