

pMSTP STUDENT DESCRIPTION

NAME: Janine Lee

e-Mail address: leejanine@gmail.com

Undergraduate College/University attended: University of Pennsylvania

Major: Asian and Middle Eastern Studies

Years in MSTP (1-8): 2

DEPARTMENT: Physiology and Biophysics

THESIS ADVISOR: Zhen Yan, PhD

RESEARCH DESCRIPTION:

PhD Thesis title: In progress

Date of Completion (or expected) of PhD: 2012

Research Description: My main research goal is to better understand the molecular mechanisms underlying the pathogenesis of Alzheimer's disease (AD). I am using electrophysiology techniques and a mouse model of AD to look at how Amyloid-B oligomers, the proteins that make-up the senile plaques seen in AD patients, disrupt synaptic transmission. I also hope to develop a human model of AD by using pluripotent stem cells derived from adult dermal fibroblasts.

PUBLICATIONS / ABSTRACTS PRESENTED:

Liang B, Workman C, **Lee JB**, Clynes R, et al. Regulatory T cells inhibit dendritic cells by lymphocyte activation gene-3 engagement of MHC class II. J Immunol. 2008 May. 180(9):5916-26.

He LZ, Crocker AZ, **Lee JB**, Clynes R, et al. Antigenic Targeting of the Human Mannose Receptor Induces Tumor Immunity. J Immunol. 2007 May. 178(10):6259-67.

Gore AC, Wu TJ, Oung T, **Lee JB**, Woller MJ. A novel mechanism for endocrine-disrupting effects of polychlorinated biphenyls: direct effects on gonadotropin-releasing hormone neurons. J Neuroendocrinol. 2002 Oct. 14(10):814-23.

PROFESSIONAL/EDUCATIONAL MEETINGS ATTENDED (name of meeting, dates of attendance, location):

AWARDS / HONORS:

MEDICAL SCHOOL ACTIVITIES:

EXTRACURRICULAR INTERESTS: In my spare time, I enjoy playing the guitar, jogging, cooking and scuba diving.

