alissajt@gmail.com 555.555.5555

EDUCATION

2015 – Present , Rochester, NY
Doctor of Philosophy (PhD) Student in Immunology, Minsoo Kim Lab
Anticipated graduation date:

2012 – 2014 , New York, NY
Master of Science in Biology, Juan Lafaille Lab, graduated with distinction.

2003 – 2008 , Montreal, QC, Canada
Bachelor of Science in Physiology

RESEARCH EXPERIENCE

Sept 2014- Aug 2015

Doctoral research focusing on the early detection and long-term effects of sepsis under the supervision of Dr. Minsoo Kim.
First project resulting in a submitted manuscript studying cognitive dysfunction in animal models of sepsis and the cellular phenotype in recovered brains.
Second project resulting in a manuscript studying new prognostic markers for the diagnosis and outcome of sepsis in human patients using animal models and human septic patient samples.

Jan 2013- Dec 2014

Research Technician at a pharmaceutical company studying anti-inflammatory properties of new drug compounds on clinical trial samples from psoriasis and GVHD patients.
Responsibilities included processing human blood and testing new drug compounds on autoimmune T cells using ELISA based assays and shRNA knockdowns.

Aug 2012- Dec 2014

Masters student developing a new model of experimental autoimmune encephalomyelitis to study the role of T helper 17 cells in brain inflammation and disease progression under the supervision of Dr. Juan Lafaille.
Project involved growing and differentiating primary Th17 cells in culture and adoptively transferring into recipient mice to study an atypical EAE phenotype.

Aug 2011 - July 2012

Lab Technician in Dr. Alessandra Pernis' Lab whose tasks included T Cell purification from mouse and human samples, immunofluorescence, flow cytometry, western blotting, ELISA, mammalian cell transfection and other various molecular and biochemical techniques to study the effects of different genes in the onset and severity of Lupus.
Additionally, T-cell cultures were used to test the effects of various statin drugs on inflammation.

Research Assistant with Dr. Anie Philip and affiliated with the Canadian Scleroderma Research Group.
Goals included developing a bleomycin-induced skin fibrosis model of

scleroderma using transgenic mice and analyzing differences in wound healing by histology, western blotting, ELISA, RT-PCR, and other biochemical methods. Further translational research was done using human scleroderma skin biopsies to discover downstream effects of hypoxia on the TGF-beta-signaling pathway.

POSTERS

, Lerman, Y, Kim, T, Mai, N, Halterman, MW, and Kim, M. Long-term microgliosis driven by acute systemic inflammation. Myeloid Keystone Symposium, Santa Fe, NM. Feb 2019.

, Lerman, Y, Kim, T, Mai, N, Halterman, MW, and Kim, M. Long-term microgliosis driven by acute systemic inflammation. Immune Imaging Symposium. University of Rochester. Nov, 2018.

Lerman, Y, Mai N, Halterman M, Kim, M. Chronic brain dysfunction driven by acute systemic inflammation. Immune Imaging Symposium. University of Rochester. Nov, 2017.

, Lerman, Y, Mai N, Halterman M, Kim, M. Chronic brain dysfunction driven by acute systemic inflammation. Neuroinflammation Keystone Symposium, Keystone, CO. June, 2017.

, Kim, TH, Lerman, Y, Harrower, E, Kim, M. Sepsis Induced Neuroinflammation. Immune Imaging Symposium. University of Rochester. Nov, 2016.

, Saminathan, P, Hammond, JH, Lu, SM, Tong, N, Gelbard, HA. Intercellular adhesion molecule-5 (ICAM-5) facilitates a unique and dynamic relationship between CD4+ T cells and hippocampal neurons during HIV-associated neurocognitive disorder (HAND). Society for Neuroscience, San Diego, CA. Nov, 2016.

, Lerman, Y, Kim, M. Sepsis Induced Neuroinflammation. Graduate Student Society Poster Session. University of Rochester. May, 2016.

ORAL PRESENTATIONS

, Lerman, Y, Kim, T, Mai, N, Halterman, MW, and Kim, M. Long-term microgliosis driven by acute systemic inflammation. Selected for Poster and Oral Presentation at the 4th annual Immune Imaging Symposium, University of Rochester. Nov, 2018.

, Al-Ajmi H, Vorstenbosch J, Winocour S, Lessard L, Philip A. Role of CD109, a TGF-beta coreceptor, in wound healing and scarring in the skin. Selected for a Poster and Oral Presentation at the 3rd Annual Meeting of the Canadian Scleroderma Research Group. Winnipeg, Canada. October 2009.

FUNDING

Spring 2017- Present : T32 AI118689

Summer 2009
Canadian Scleroderma Research Group

AWARDS

Nov 2016 . Immune Imaging Symposium, Rochester, NY.

TEACHING EXPERIENCE

Fall 2016

Teaching assistant for taught by Dr. Alexandra Livingstone and Dr. Michael Elliott.
Tasks included grading workshop assignments and exams, running recitation courses, and leading exam review sessions.

Jan 2013- Dec 2014

Teaching Adjunct for ; a biochemistry course for undergraduate non-science majors taught by Professor Trace Jordan.
Tasks included attending lectures and facilitating discussions, instructing two laboratory sessions of forty students, reviewing and grading all assignments, quizzes, and exams.

Supplementary	one-on-one tutoring was provided for students in need of additional help.

WRITING EXPERIENCE

Sept 2014- Aug 2015	Editorial Assistant to Dr. Trace Jordan. Tasks include making figures, editing scientific data, and writing practice questions for a biochemistry textbook. Publication: Jordan, T and Kallenbach, N.