

MINERVA HUANG RINGLAND

334 HAMILTON AVE, OLEAN, NY 14760 | 716.380.7222 | minerva.ringland@gmail.com

EDUCATION

Yale University, New Haven, CT

- B.S. in Molecular, Cellular, and Developmental Biology, May 2016

City Honors High School, Buffalo, NY

- International Baccalaureate Diploma, June 2012
- First Place Hofstadter Prize for Historical Writing, 2012

EMPLOYMENT & RESEARCH EXPERIENCE

Environmental Compliance Intern

January 2017 – Present

SolEpoxy, Inc. Olean, NY.

- Implementing and upgrading an environmental management system in compliance with ISO 14001:2015
- Assisting in the Engineering, Quality Assurance, and Research and Development Departments

Laboratory Research in the Microbiota in Immune-Mediated Disease

September 2015 – May 2016

Kriegel Lab, Yale School of Medicine, Department of Immunobiology, New Haven, CT

- Investigating the role of resistant starch diet in mediating microbiota in systemic lupus erythematosus
- Examination of gene expression in a mouse model, dissections and related surgical tasks

Laboratory Research in Environmental Microbiology

June - August 2015

Institute for Genomics & Systems Biology, University of Chicago, Chicago, IL

- Metagenomic analysis of microbial communities, predominantly using the QIIME bioinformatics pipeline to study 16S rRNA sequence data from a variety of environmental samples

Field & Laboratory Research in Plant Ecology & Soil Chemistry

June - August 2014

Departments of Natural Resources & Hydrology, National Center for Earth-Surface Dynamics, Pablo, MT

- NSF-funded REU internship focused on ecology and conservation
- Examining plant community dynamics concerning the culturally significant *Camassia quamash*

Laboratory Research in Gynecologic Oncology & Radiation Therapy

May – August 2013

Department of Gynecologic Oncology, Roswell Park Cancer Institute, Buffalo, NY

- Investigating the presence of soluble LAG3 protein as a biomarker of ovarian cancer in a mouse model

Department of Radiation Medicine, Roswell Park Cancer Institute, Buffalo, NY

October 2008 – June 2012

- Computationally optimizing radiation treatment plans by objective function approximation

ADDITIONAL EXPERIENCE

Buffalo Niagara Riverkeeper, Volunteer

Fall 2016

- Planted trees and monitored water quality with community-based non-profit in Buffalo, NY

Yale Food Systems Symposium, Conference Organizer

March – November 2015

- Led an interdisciplinary conference focusing on achieving a sustainable food system at Yale in conjunction with the Yale School of Forestry and Environmental Science

Actual Food, Intern

2014 – 2015

- Aided in the development of a supermarket business model to bring healthy, fresh food to low-income neighborhoods in the New Haven area

Yale Food Action Committee, Board Member 2013-2014, Co-President 2014-2015

2013 - 2015

- Led an organization focusing on equitable distribution of and access to environmentally responsible food
- Managed finances, organized talks, meetings, and screenings

Yale Hunger and Homelessness Action Project: Kitchen to Kitchen, Co-Coordinator

2013 – 2015

- Led a program that delivers leftover food from Yale dining halls to the Downtown Evening Soup Kitchen in New Haven on weekday afternoons

Yale Office of Sustainability, Intern

May 2014

- Worked with Spring Salvage, an annual resource recovery and waste diversion program for direct donations

Yale Hunger and Homelessness Action Project: Bringing Relief Everyday, Volunteer

2013 – 2014

- Aided in the collection of baked goods from university dining halls to halfway houses in New Haven

SKILLS & LANGUAGES

Good working knowledge of Python, Matlab, R, QIIME, Microsoft Office Suite, Windows and Linux

Intermediate proficiency in Mandarin Chinese & Spanish