

Franklin Yeo

Graduate Research Assistant (Ph.D.)
Olson Lab – Biological Sciences – Purdue University

Education

Bachelor of Science in Biochemistry

Graduated With Distinction

Sept. 2015 – Dec. 2018

University of Wisconsin- Madison (Madison, WI)

Graduate Research Assistant (Ph.D.)

Aug. 2022 – Current

Purdue University (West Lafayette, IN)

Teaching and Research Experience

Summer Intern

Jun. 2014 – Aug. 2014 (3 months)

Malcolm Whitman Lab • Harvard School of Dental Medicine (Boston, MA)

- Cell culture management and Analysis

Research Assistant

Nov. 2016 – Jun. 2019 (2 years 8 months)

Jing Fan Lab • Morgridge Institute for Research (Madison, WI)

- Lab maintenance, cell culturing, biochemical assays, data analysis

Chemistry Faculty Assistant

Jan. 2019 – May 2019 (5 months)

General Chemistry Teaching Assistant • University of Wisconsin- Madison (Madison, WI)

- Lecture, discussion, and lab session guidance

Researcher

Jul. 2019 – Mar. 2020 (9 months)

Goo Taeg Oh Lab • Ewha Womans University (Seodaemun-gu, Seoul, South Korea)

- Investigation of effects of oxidative stress on in-vivo and in-vitro models of cardiopathies
- Cell culturing, biochemical assays, data analysis, mouse breeding colony management, protocol design

Graduate Research Assistant

Aug. 2022 – Current

Matthew Olson Lab • Purdue University (West Lafayette, IN)

- Characterization of pathogenic T cell subsets in mouse models of intestinal inflammation.
- Cell culturing, biochemical assays, data analysis, mouse breeding colony management, protocol design

Graduate Teaching Assistant

Jan. 2024 – May. 2024

BIOL19500 • Purdue University (West Lafayette, IN)

- Lab session guidance
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Awards

Cargill-Benevenga Research Stipend Recipient

Received on Dec. 2018

UW-Madison Nutritional Sciences Department

- Investigation of role of Purine Nucleoside Phosphorylase in M1 polarized macrophages

Ross Fellowship

Received on Aug. 2022

Purdue Graduate School

- Recruitment fellowship recognizing academic excellence.

SIRG Graduate Research Assistantship

Received on Apr. 2024

Purdue University Institute for Cancer Research

- Awarded to outstanding graduate students undertaking cancer-related research.
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Conferences Attended

The 8th International Congress on Lipid & Atherosclerosis (ICoLA)

Sept. 2019

Seoul, Korea

Publications

Seim GL, Britt EC, John SV, Yeo FJ, Johnson AR, Eisenstein RS, Pagliarini DJ, Fan J. (2019) Two-stage metabolic remodelling in macrophages in response to LPS and interferon- γ stimulation. *Nature Metabolism* 1 (7), 731–742

Sonn S.K., ... Yeo FJ, et al. (2022) Peroxiredoxin 3 deficiency induces cardiac hypertrophy and dysfunction by impaired mitochondrial quality control. *Redox Biology* 51, 102275

Canaria DA, Rodriguez JA, Wang L, Yeo FJ, Yan B, Wang M, Campbell C, Kazemian M, Olson MR. (2023) Tox induces T cell IL-10 production in a BATF-dependent manner. *Front Immunol.* 14, 1275423
