

## **BCH 252 Seminar Series**



**Jessica Tran, BCMB Graduate Student  
Researcher, PhD Candidate, UC Riverside**

**Seminar Title: "The Kinetics of the Reaction  
of NADH with the Electron-bifurcating  
Flavoproteins EtfAB and EtfABCX from the  
Hyperthermophilic Bacterium *Thermotoga  
maritima*"**

**Biography:** I graduated with a Bachelor of Science and Master of Science in Biochemistry here at the University of California, Riverside. I am currently a 4th year Ph.D student in the Biochemistry and Molecular Biology Program, studying enzymology in Dr. Russ Hille's lab. My project focuses on deconvoluting the kinetics of the mechanism of the electron-bifurcating flavoprotein called the menaquinone-dependent NADH:ferredoxin oxidoreductase EtfABCX from the hyperthermophilic bacterium *Thermotoga maritima* to further our understanding on the electron bifurcation process—an ancient form of energy conservation in anaerobic microbes and some aerobes.

**Tuesday, April 23rd, 2024 12:00 p.m. - 12:50 p.m. PST**

**In-Person: Genomics Auditorium 1102A**

**Host: Dr. Sihem Cheloufi**