

We are seeking highly motivated, collaborative and creative **graduate students** and **Postdoctoral Fellows** to join our research team. The Baetz lab uses yeast as a model organism and an integrative systems biology approach that exploits high-throughput functional and chemical genomics and proteomics. There are numerous projects available in the lab including:

1. The dissection of the role of NuA4 acetyltransferase in chromosome stability and cancer progression.
2. Study of how cellular iron levels regulate cell cycle progression and DNA damage.
3. Utilization of yeast for the identification of mode-of-action of various signaling lipids implicated in Alzheimer's' Disease.
4. Exploiting chemical genomics and proteomics to engineer industrial yeast strains with increased capabilities of cellulosic fermentation for the production of ethanol. This work is part of a large multi-centered project and trainees will have an excellent opportunity to collaborate and network in the emerging field of biofuels.

Post-doctoral applicants must have a PhD, experience in yeast genetics/biology or alternative model system, protein expression and purification, as well as standard molecular biology techniques. Qualified Postdoctoral applicants must have a strong record of scientific achievements as demonstrated by publications in high impact, peer-reviewed journals, as well as success in national or international scholarships/fellowships. Graduate applicants must have a strong academic record in a relevant field and should have some laboratory experience. The Ottawa Institute of Systems Biology is a highly collaborative environment where trainees will be given the unique opportunity to acquire a broad range of skills including: bioinformatics, genetics, functional genomics, chemical genomics, proteomics, and high-throughput imaging. Interested candidates should submit their **detailed cover letter describing their interests and future goals, CVs, as well as contact information of 3 references by email to Dr. Kristin Baetz (kbaetz@uottawa.ca).**