

I had the privilege of presenting my graduate research toward my Ph.D. thesis titled *Glutathione Supports Lipid Abundance In Vivo* at the Keystone Symposium on Tumor Metabolism, which took place from February 12-16, 2024, in Banff, Alberta, Canada. There, I got the opportunity to listen and learn about some of the current research being done in the field of cancer metabolism, as well as the tools being developed to enhance our research in the field. Among the many insightful talks at the conference, my favorites were the ones geared towards improving the prognosis of patients with metastatic cancer, such as the talk by Sara-Maria Fendt, who was awarded the American Association for Cancer Research (AACR) Award for Outstanding Achievement in Basic Cancer Research on 27th February 2024. Her talk, *Metabolic Rewiring Driving Metastasis Formation*, focused on mechanistic insights into how aspartate signaling contributes to lung metastasis.

My presentation on how *in vivo* depletion of glutathione, an antioxidant, resulted in decreased liver lipid synthesis, circulating triglycerides, and depleted fat stores garnered substantial attention. I received valuable feedback regarding alternative NRF2-independent pathways that could be responsible for glutathione's role in sustaining lipid abundance. We also discussed how our model could apply to other fat-related disease conditions. I plan to incorporate these insights into my manuscript for the upcoming resubmission. Additionally, my presentation sparked potential collaborations with researchers who found some hits from my transcriptomic and proteomic analyses upon liver-specific GSH synthesis ablation relevant to their ongoing research.

Our conference was held concurrently with two other metabolism-focused conferences, hence attracting a diverse community of metabolism researchers from both academia and industry on an international scale. Participating in this conference provided an excellent opportunity to reconnect with other graduate students I had met from previous scientific events and meet new graduate trainees, postdocs, and professors within the metabolism research community. I also had the chance to network with industry representatives in attendance. These interactions have greatly expanded my professional network.

Attending this conference was a significant milestone in my scientific career, and I am grateful to GWIS for supporting my travel to the event.