



# Marrissa Izykowicz

Roche Award  
Ph.D. Student, Chemical Biology  
First Year ARCS Scholar



## Investigating Self-Agglomerating Nanohydrogels (SANGs) as a Drug Delivery Platform

My Ph.D. research seeks to improve cancer treatment by developing self-agglomerating nanohydrogels (SANGs) that enhance the targeting and retention of therapeutic agents in tumor tissues, addressing current nanoparticle delivery system inefficiencies. This work involves a phased approach, including in vitro and in vivo testing, to optimize SANGs for more effective and cost-efficient drug delivery across various cancer types.

