



Amanda L. Smythers, Ph.D.

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Dr. Amanda Smythers is a postdoctoral fellow in the labs of Dr. Bruce Spiegelman and Dr. Steve Gygi at the Dana Farber Cancer Institute and the Department of Cell Biology at Harvard Medical School. Her work seeks to use mass spectrometry and proteomics to understand metabolic regulation in disease states. She received her Ph.D. at the University of North Carolina at Chapel Hill where her dissertation focused on the role of post-translational regulation of organisms under stress, with a focus in both *Chlamydomonas reinhardtii*, a green alga, and *Hypsibius exemplaris*, a model species of waterbears. Dr. Smythers was awarded a Ford Predoctoral Fellowship and three NC NASA Space Grant Fellowships throughout the duration of her doctoral studies. She was also awarded the Eastman Chemical Fellowship in Analytical Chemistry and Polymer Characterization (2021) and Iota Sigma Pi's Anna Louise Hoffman Award for Outstanding Achievement in Graduate Research (2022). Prior to her Ph.D., Dr. Smythers received a B.S. in Biochemistry and M.S. in Chemistry from Marshall University in Huntington, WV.