Raquel Shortt
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Raquel Shortt is a PhD Candidate at the University of Maryland Baltimore, studying under the guidance of Dr. Lisa M. Jones. The Jones lab uses mass spectrometry-based protein footprinting to interrogate protein structure and protein-protein interactions in-cell and in-vivo. Moreover, they employ the oxidative labeling technique Fast Photochemical Oxidation of Protein (FPOP) for the structural characterization of proteins in their native cellular environment. Raquel's work focuses on using FPOP, to probe protein structural heterogeneity in a 3D cancer model known as spheroids. She also applies the R coding language to create data analysis workflows that improve, streamline, and expedite FPOP data analysis.