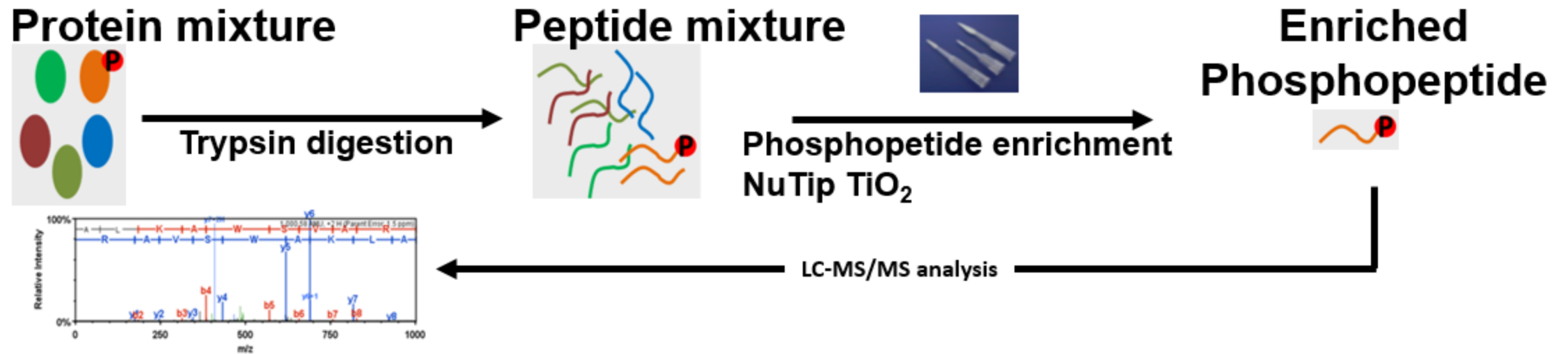


# PTM Sample Preparation and Analysis



**Workflow for phosphopeptide enrichment and phosphorylation mapping**

Post-translational modifications (PTMs) greatly expand the diversity and function of proteomes, resulting in intricate regulation of biological processes. Investigation of PTM normally require an enrichment step as these modified proteins are relatively low in abundance. The majority of PTM detection methods have been developed in combination with enrichment strategies to provide the best opportunity to identify, validate, and study the function of regulatory PTMs from protein of interest.