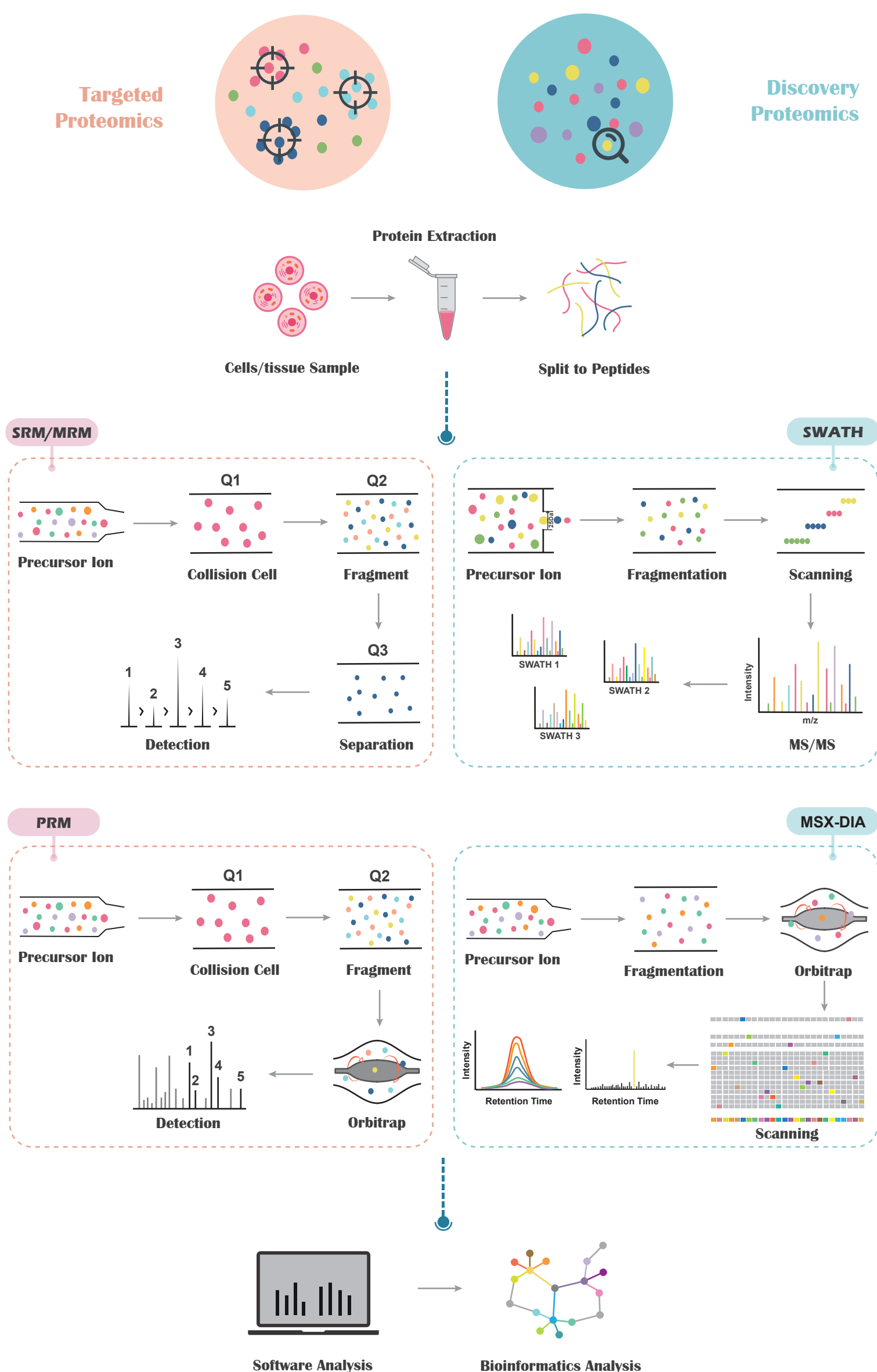


# PROTEOMICS

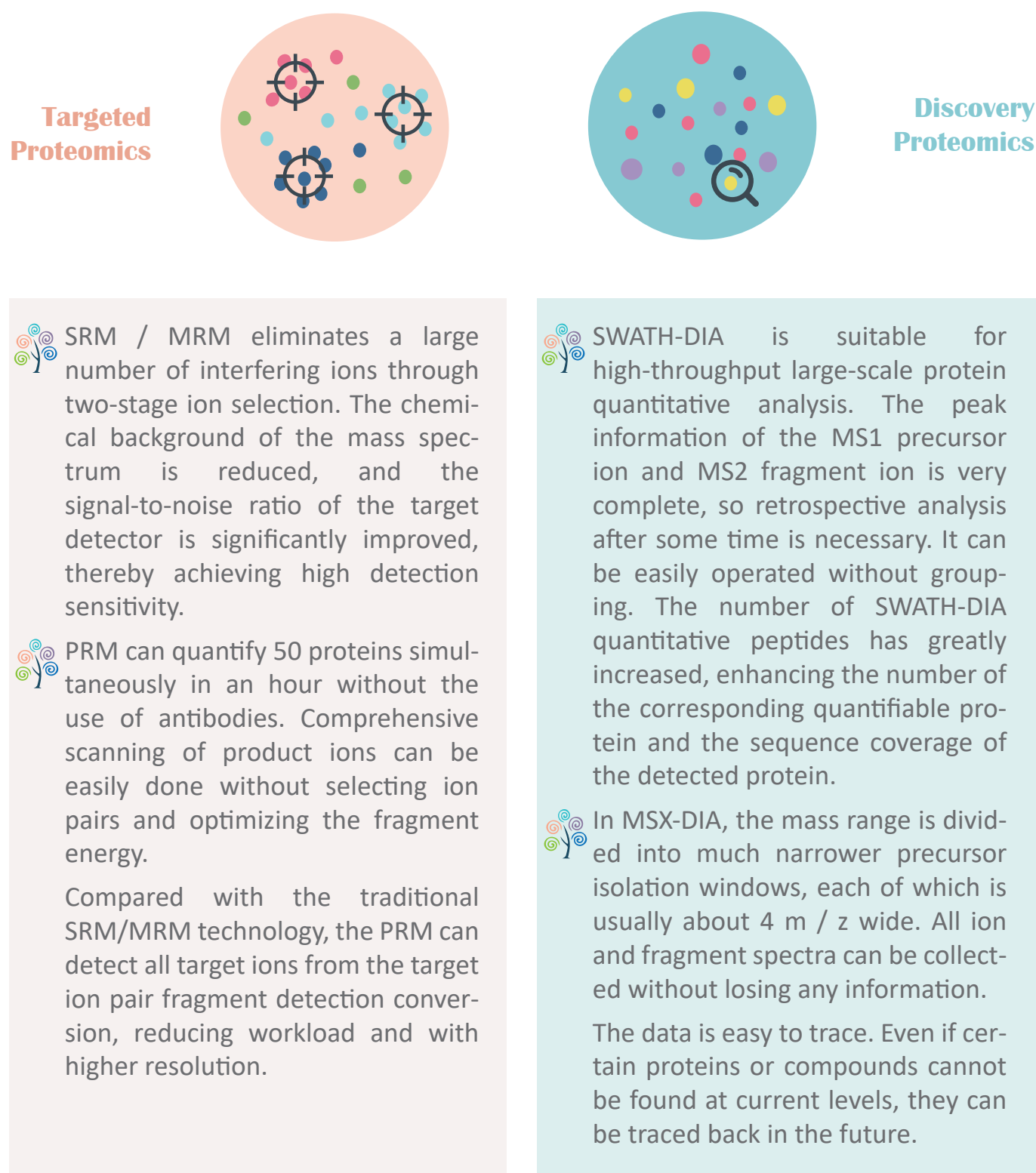
## TARGETED VS DISCOVERY

### TARGETED AND DISCOVERY PROTEOMICS

At present, strategies for proteomics research can be divided into discovery proteomics and targeted proteomics. Discovery proteomics is more concerned with protein screening and dynamics, while targeted proteomics focuses more on detecting target proteins/peptides to achieve the absolute quantification.



### CHARACTERISTICS



### EXAMPLES OF APPLICATIONS

- Targeted proteomics is used for in-depth analysis and quantitative measurement of selected proteins in biological samples. Information on the protein of interest is required before analysis. Our **TPro™ Platform** is designed to quantify up to 150 proteins with high precision and throughput in a dynamic range of 6 orders of magnitude.
- Supplementary tool for ligand binding assay (LBA) in the area of monoclonal antibody (mAb) dose pharmacokinetics (PK).
- Systems biology and clinical proteomics research.
- Predict transporter-mediated drug clearance and promote drug discovery / development research.
- The goal of discovery proteomics is to gather information about all proteins and protein structures in biological samples. With little knowledge on the sample, discovery proteomics can identify thousands of proteins and protein structures in one experiment. Our **DPro™ Platform** can analyze up to 9,000 proteins per sample under different conditions and identify significantly regulated proteins.
- Host cell protein analysis.
- Identification of chemical modifications.
- The workhorse of biomarker discovery.
- Drug target discovery.