

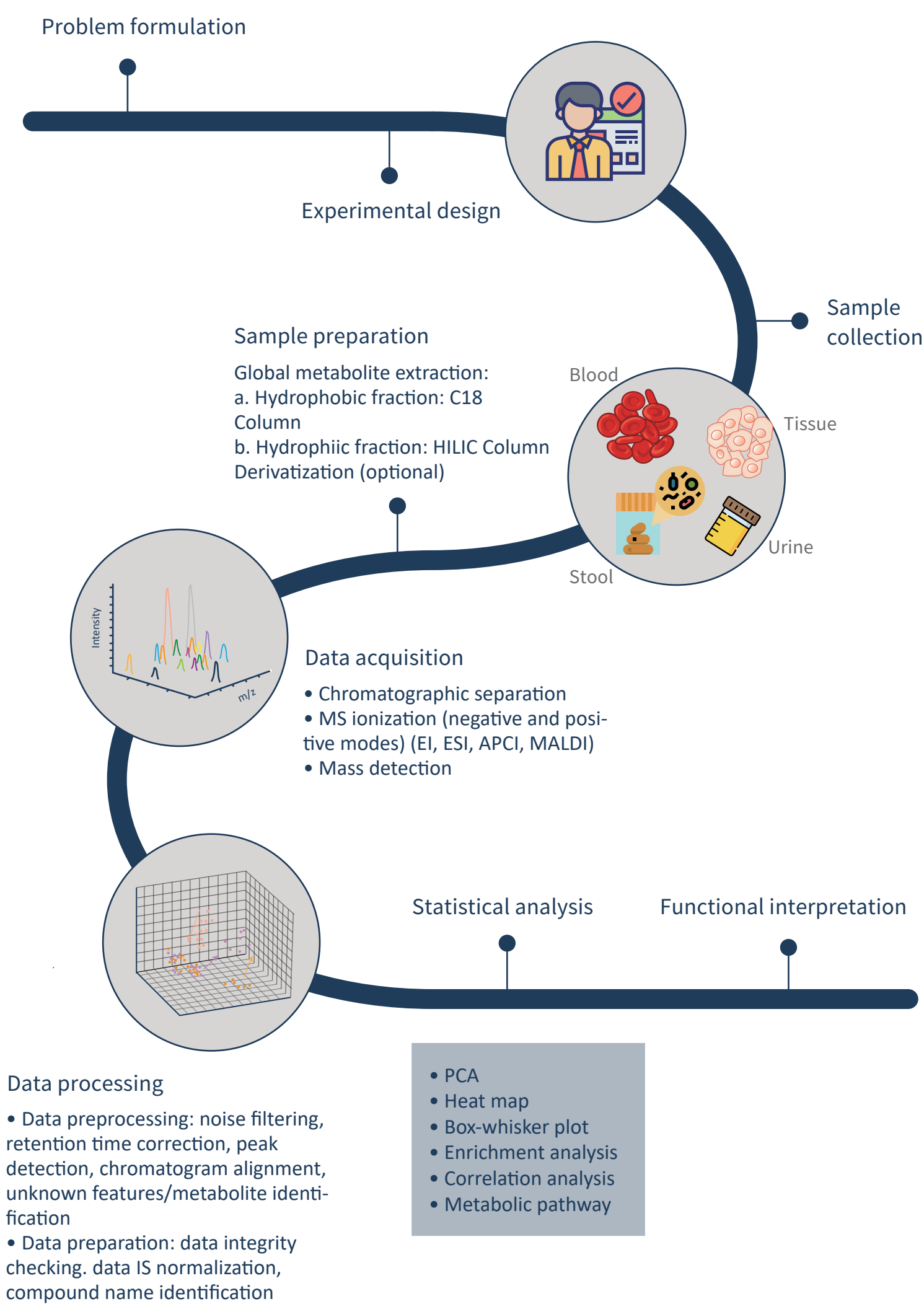
UNTARGETED METABOLOMICS

Why choose it?

Untargeted metabolomics is mainly conducted to comprehensively understand biochemical information of metabolism in organisms. Using liquid chromatography-mass spectrometry technology (LC-MS), almost all metabolites under certain physiological or other specific conditions can be qualitatively and quantitatively analyzed for the identification of different metabolites.

Our untargeted metabolome analysis platform can accurately and rapidly analyze the small molecule metabolites covering more than 95% of the pathways in various biological samples (blood, urine, tissue, saliva, amniotic fluid, cells, cell fluid, etc.) and plant samples.

Untargeted metabolomics, to the greatest extent, reflects the multiple dynamic responses of living organisms to external stimuli, pathophysiological changes and their gene mutations in metabolite levels in vivo, providing a new perspective for disease diagnosis, pathological research, new drug development, drug toxicology and other studies.



Why choose untargeted metabolomics?

- Discovery
- Hypothesis generation
- Global metabolomics profiling
- Metabolomics fingerprinting
- Metabolomics footprinting

- Classification/ forming metabotypes
- Qualitative identification
- Relative quantification
- > 1000s metabolites measured
- No commercial chemical standard required