

Method for high-throughput qualitative and quantitative intracellular peptidomics of mammalian cells

About technology

The offered invention relates to an innovative approach for high-throughput intracellular time profiling of mammalian cells. The bottom-up proteomics process is much more complex, time-consuming and costly because it depends on enzymatic digestion to produce artificial peptides.

These meaningful peptides could serve as potential markers for the development of diagnostic kits and other therapies, such as drug-based therapies. Technically, our pipeline is robust to operate at high throughput while maintaining reproducibility of results. This innovation opens different branches for various diseases based on peptide profiling and grown in academic, medical, biotechnology and industrial development.



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IP protection

The invention is the subject of a European patent application **EP23167220.5** and **PCT/EP2023/085660**

Implementation progress

TRL 4 –Technology validated in laboratory conditions

Cooperation opportunities

- Licensing agreement
- Transfer of ownership
- Spin off

