Bioanalysis ZONE
miniSpotlight

Proteomics

Key trends in proteomics research

Types of proteomic research undertaken

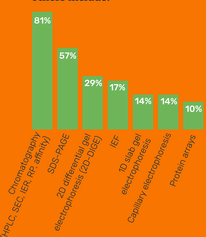
In total, 73% of respondents use MASCOT to search protein databases

Proteomics R&D techniques

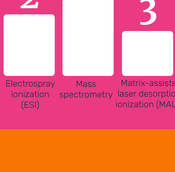
Top 5 techniques used in R&D:

1. Enzyme-linked immunosorbent assay (ELISA)
2. RNAi
3. DNA microarrays
4. Northern/Southern blotting
5. Other

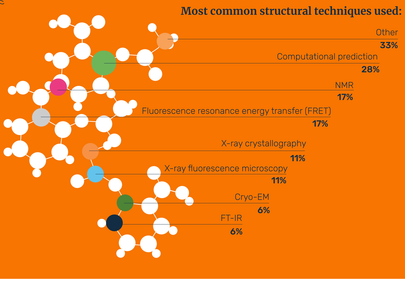
Overall, 81% of respondents use chromatographic separation techniques, others include:



Top 3 protein identification techniques used:

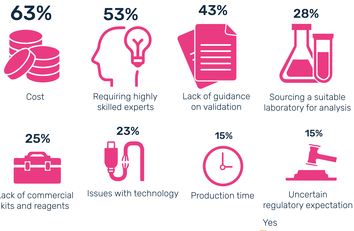


Most common structural techniques used:

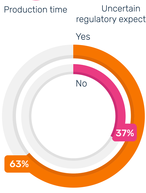


Challenges and limitations of proteomics

Key challenges in selecting a method for proteomics research:



In total, 63% of respondents agreed that regulatory guidelines are satisfactory for proteomics



Future trends in proteomics

How has the amount of proteomics research changed over the last 5 years?

In the next 5 years, how do you predict the use of proteomics will change?

About the respondents

Location

Organization:

- Academic 44%
- CRO/CMO 8%
- Biotechnology 23%
- Large pharma 2%
- Small/Mid-size pharma 2%
- Equipment vendor 13%
- Other 8%

Job title:

- Chemist/Scientist 26%
- Director/CEO/VP 29%
- Manager/Group Leader 29%
- Student 3%
- Technician 3%
- Other 10%

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