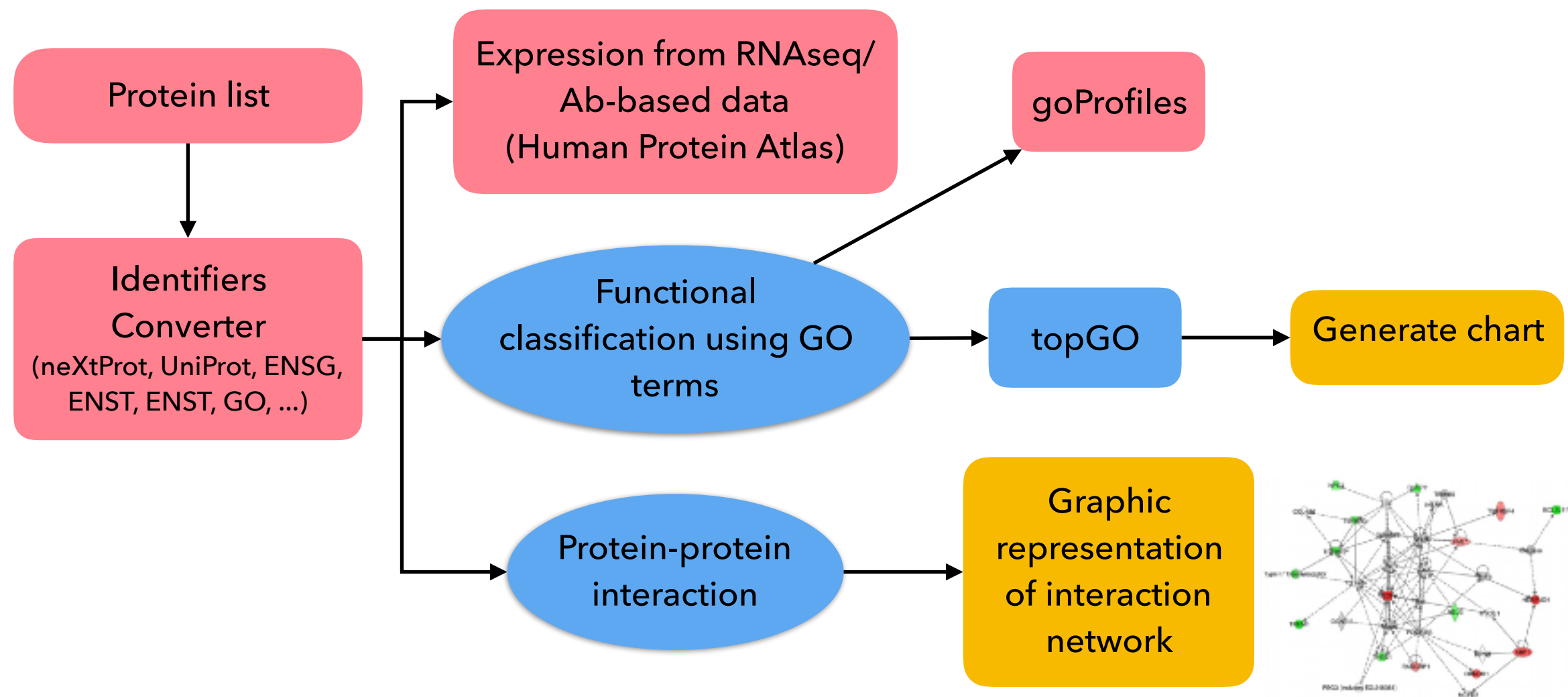# Use case 3. **Human sperm proteome analysis**

Analysing human sperm proteome by identifying and validating samples of human sperm protein prepared by different protocols

Tools

- **Data manipulation**
  - ▸ Filter lines by keywords or numerical value
  - ▸ ID Converter

- **Retrieve annotation**
  - ▸ Get annotation from RNAseq/Ab-based experiments (Human species)
  - ▸ Protein features (neXtProt)
  - ▸ Expression level by tissue (from HPA)

- **Bioinformatic analysis tools**
  - ▸ Venn diagram
  - ▸ Reactome ananlysis tool
  - ▸ topGO
  - ▸ goProfiles

- **Other tools**