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Mass spectrometry-based protein-protein interaction techniques and their applications in studies of DNA damage repair

Key words: Protein-protein interaction, Interactome, Proteomics, mass spectrometry, DNA repair, DNA damage response

Research Summary

This review summarizes the strategies and recent developments for exploring protein-protein interaction. In addition, we discuss the application of these tools in the investigation of protein-protein interaction networks involved in DNA damage response and DNA repair.

- Strategies for Studying Interactomes with MS**
- Application of interactome determination in the investigation of DNA repair pathways**

Innovation points

- **Introduction of the interactome and DNA repair studies.**

- **Summary of the most updated strategies for studying interactomes with MS.**

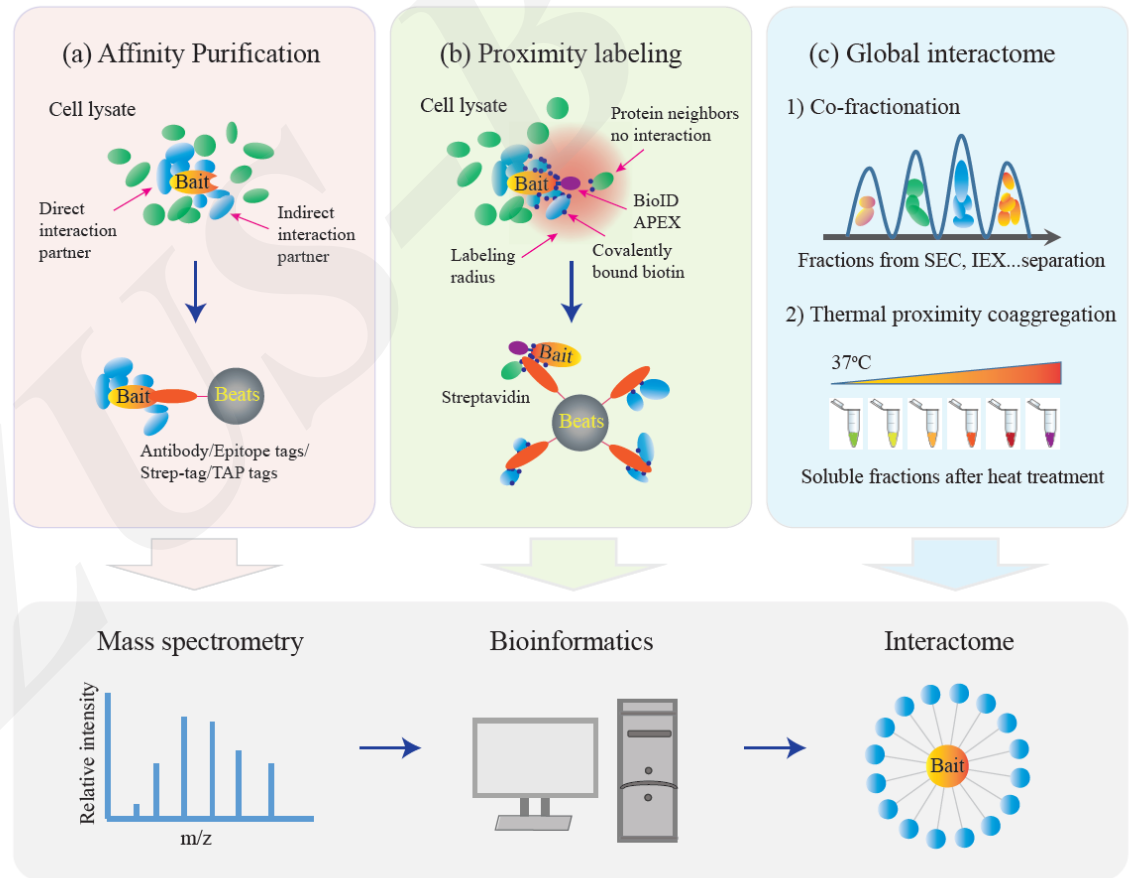


Figure 1

Innovation points

- **Summary of the recent progress of application of interactome determination in the investigation of DNA repair pathways.**

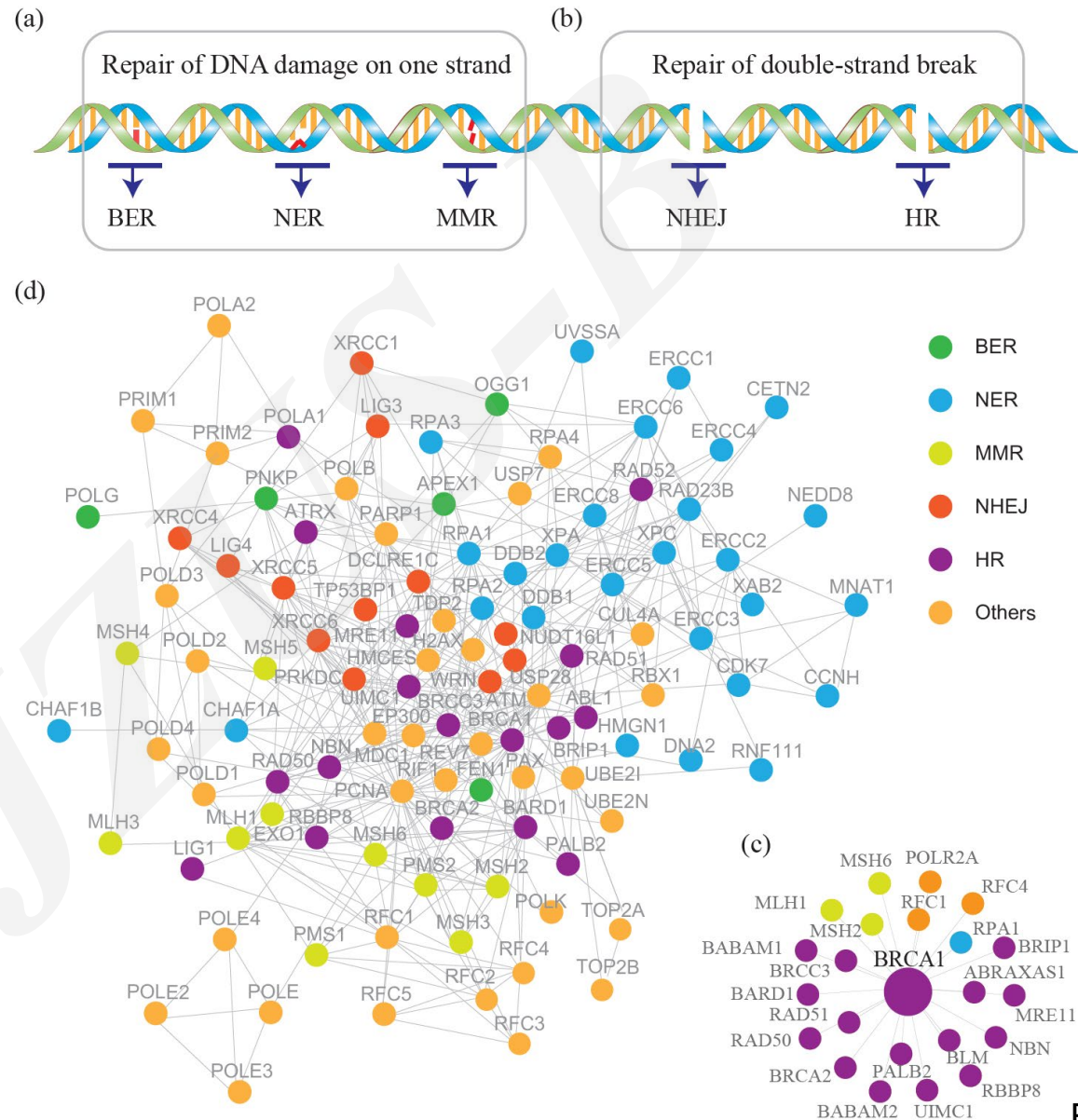


Figure 2