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Relevance of protein-protein interactions on the biological identity of nanoparticles.

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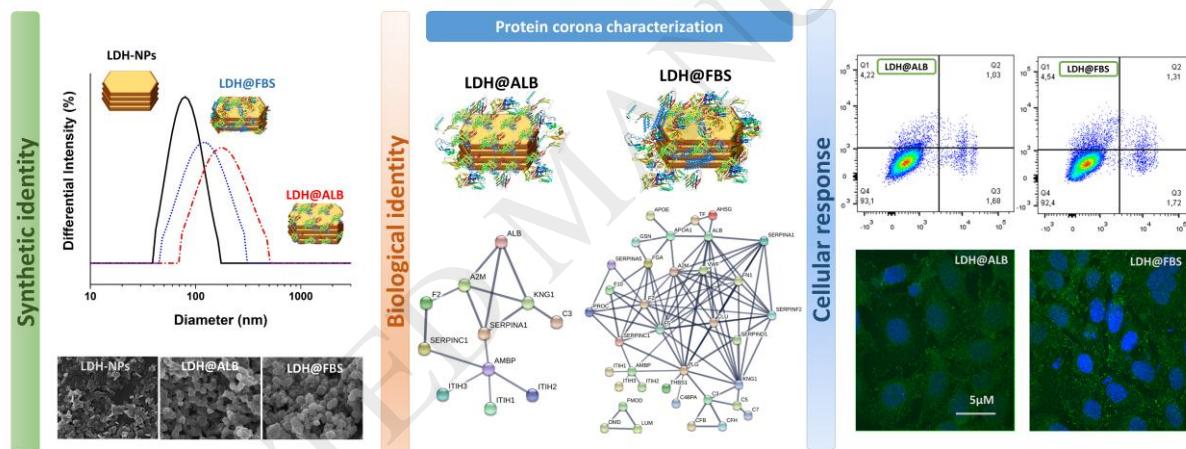
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Graphical abstract



Highlights

- Protein surface coating prevents LDH-NPs from aggregation in cell culture medium.
- Surface coating (one or multiple proteins) defines the LDH-NPs biological identity.
- Physical and biorecognition interactions regulate the LDH-NPs biological identity.
- Protein-protein interactions generate a corona enriched with a certain protein group.
- LDH-NPs biological identity shows non-cytotoxicity and high internalization levels.

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