

Preserving bacteria with oligosaccharides and eco-friendly processes

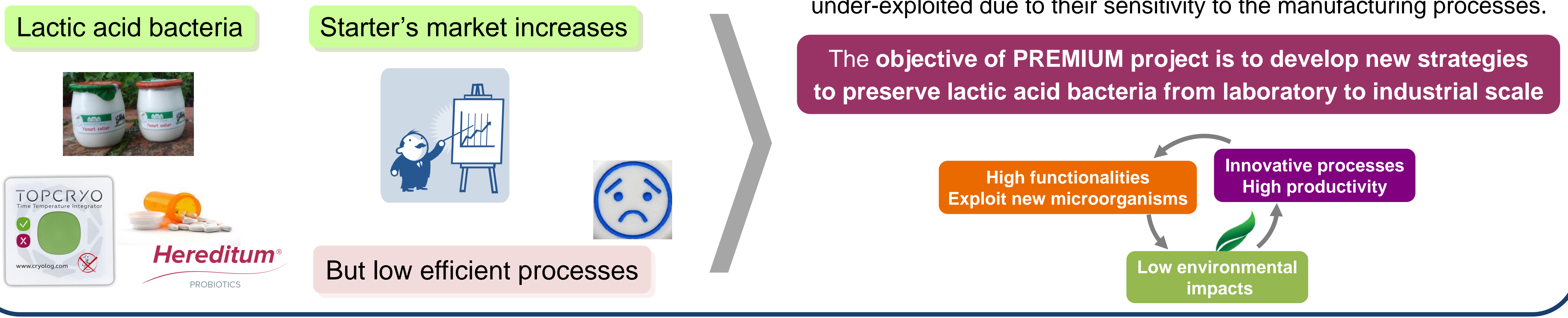
PREMIUM project



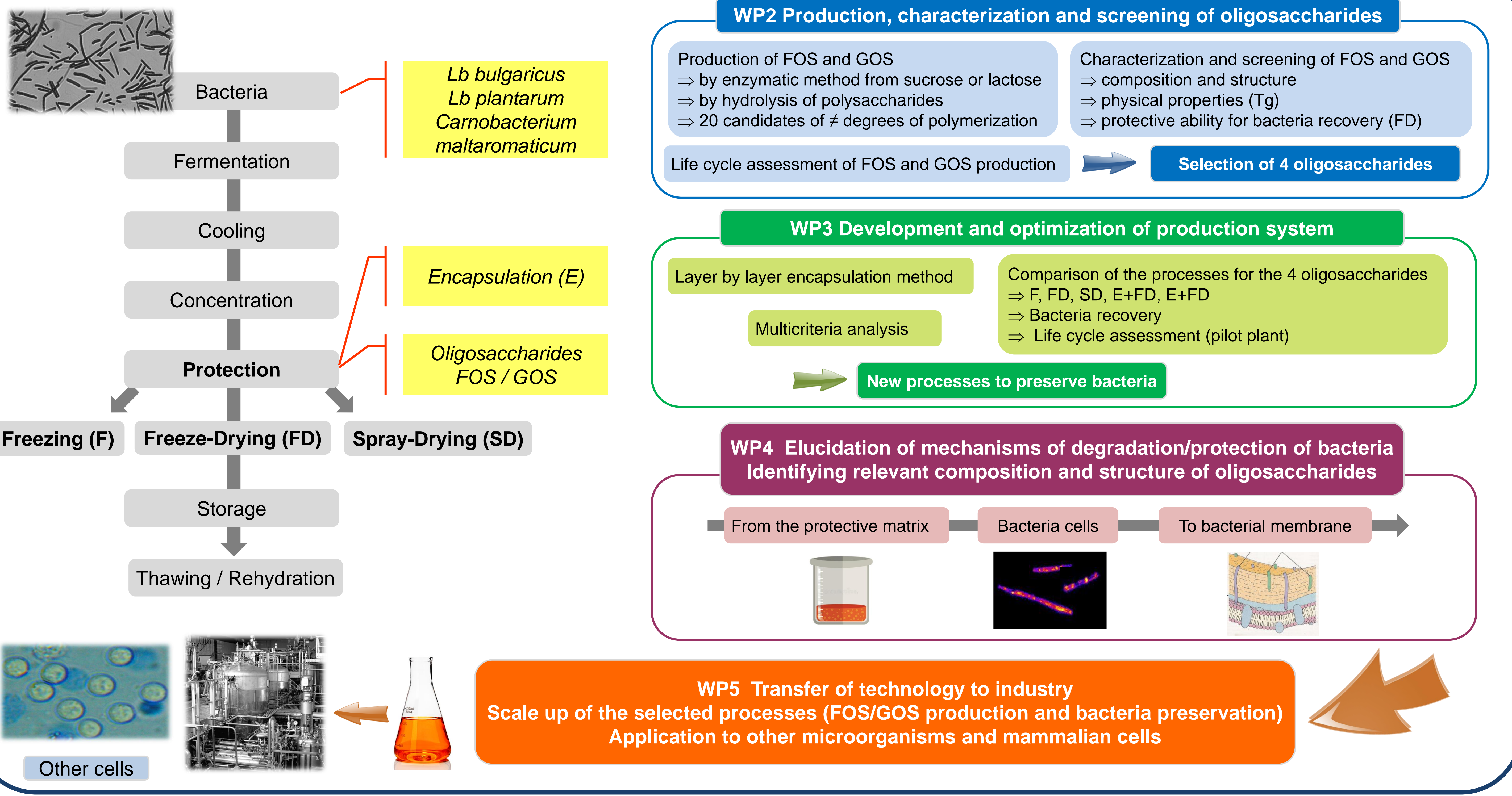
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Context & Objective



Approach



Challenges

- To produce oligosaccharides of original composition for protecting cells
- To develop novel preservation processes
- To evaluate the environmental impact of the whole system of production of bacteria from the laboratory to the industrial scale
- To elucidate the mechanisms of bacteria preservation for defining relevant composition and structure of oligosaccharides
- To develop high-throughput tools for characterizing and screening protective molecules
- To identify the most promising strategies for industrial eco-friendly preservation of bacteria by developing a multi-criteria analysis approach

The 9 Partners of PREMIUM project

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