

PRESENTER BIOGRAPHY



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MSc student in Pharmacy at the Graduate Program in Pharmaceutical Sciences, Federal University of Goiás (UFG), Brazil. She is a member of the Center for Research, Technological Development and Innovation in Pharmaceuticals, Medicines and Cosmetics (FarmaTec). Her research focuses on the development, characterization, and biological evaluation of nanostructured pharmaceutical platforms for drug delivery.

Lectin-functionalized liposomes for interaction and modulation of the intestinal mucoepithelial interface

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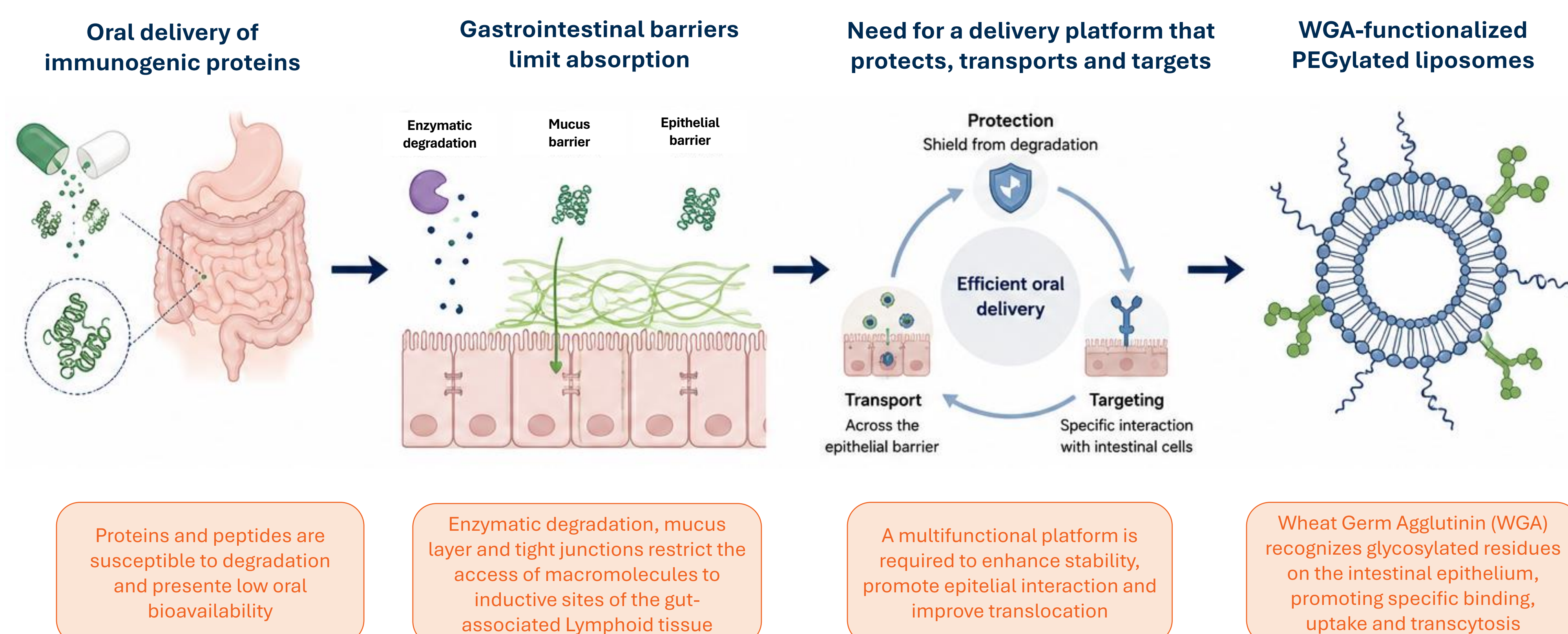
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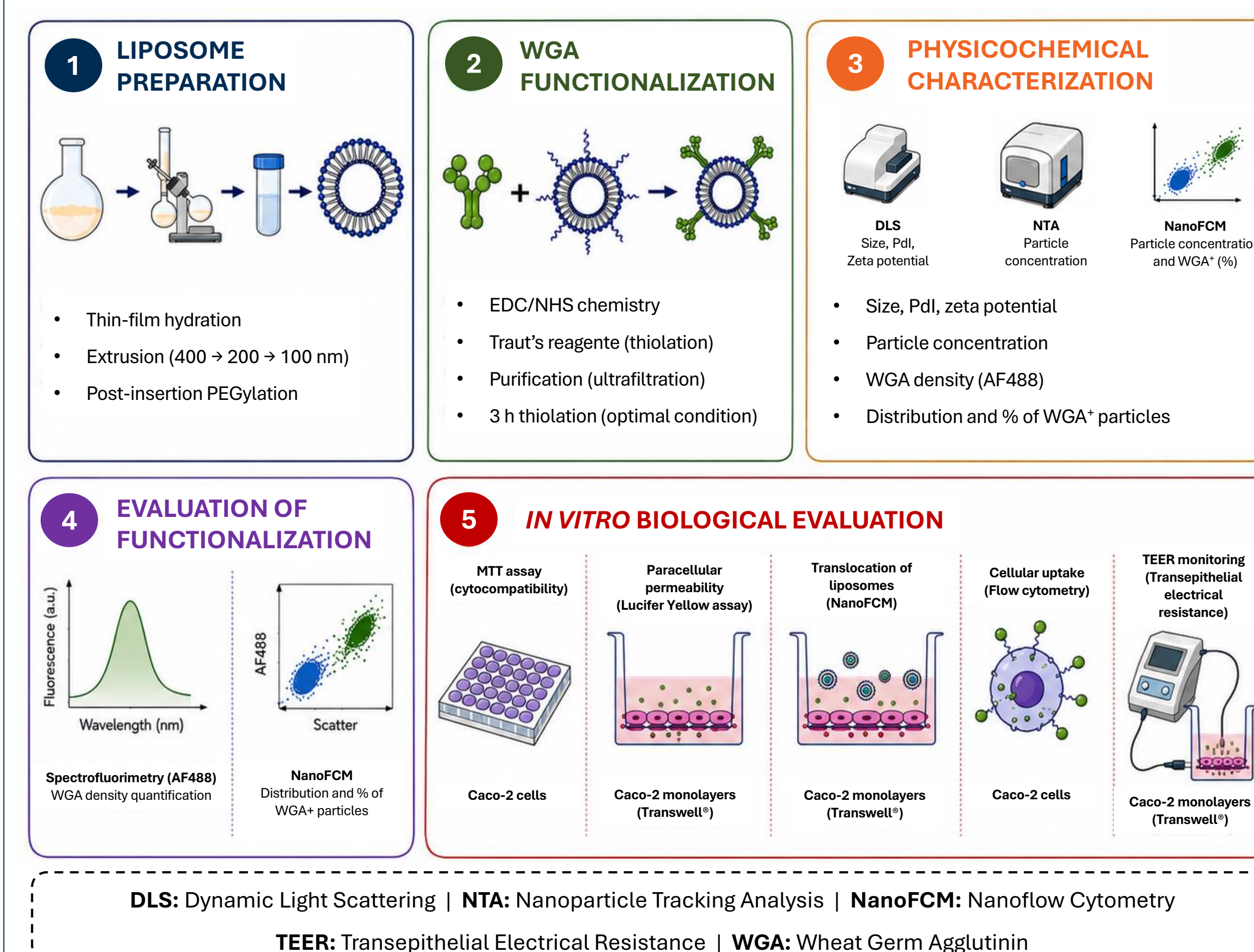
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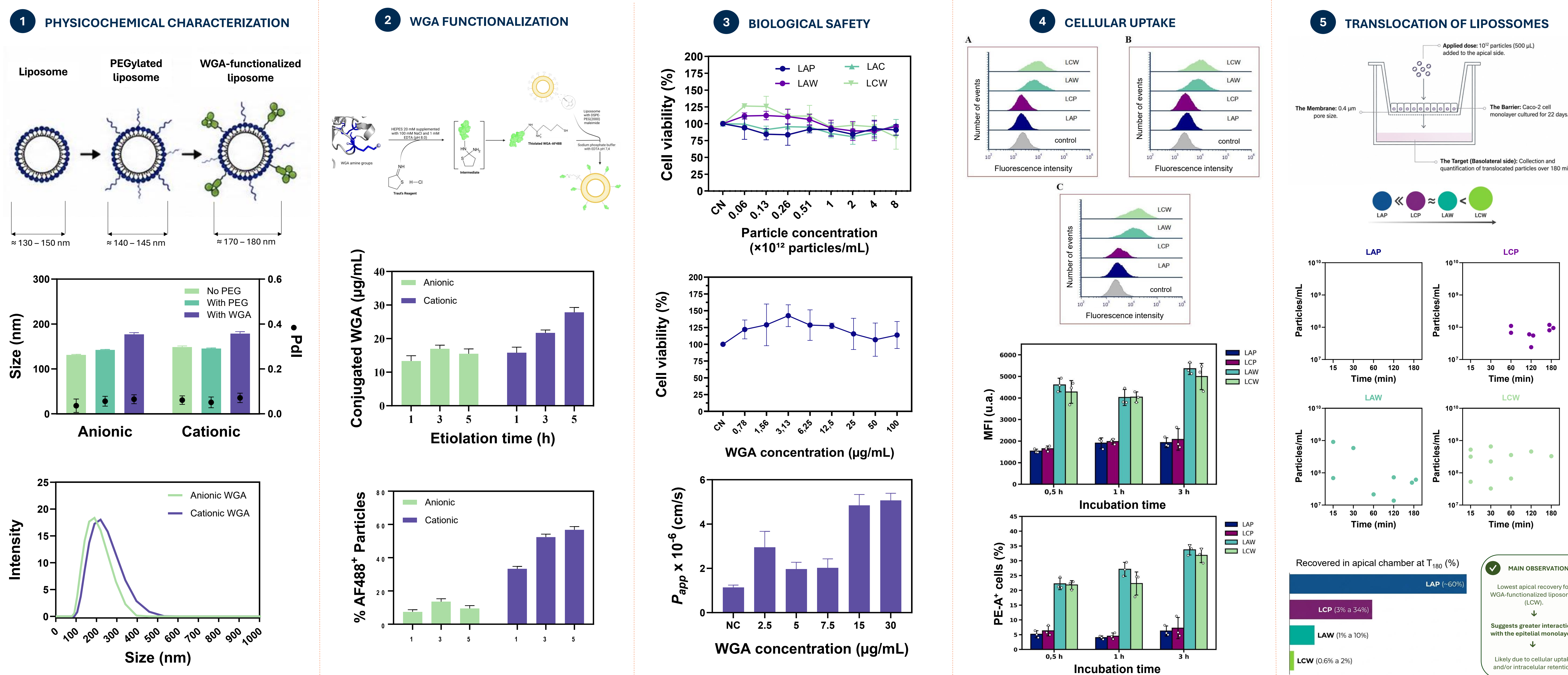
INTRODUCTION



METHODS



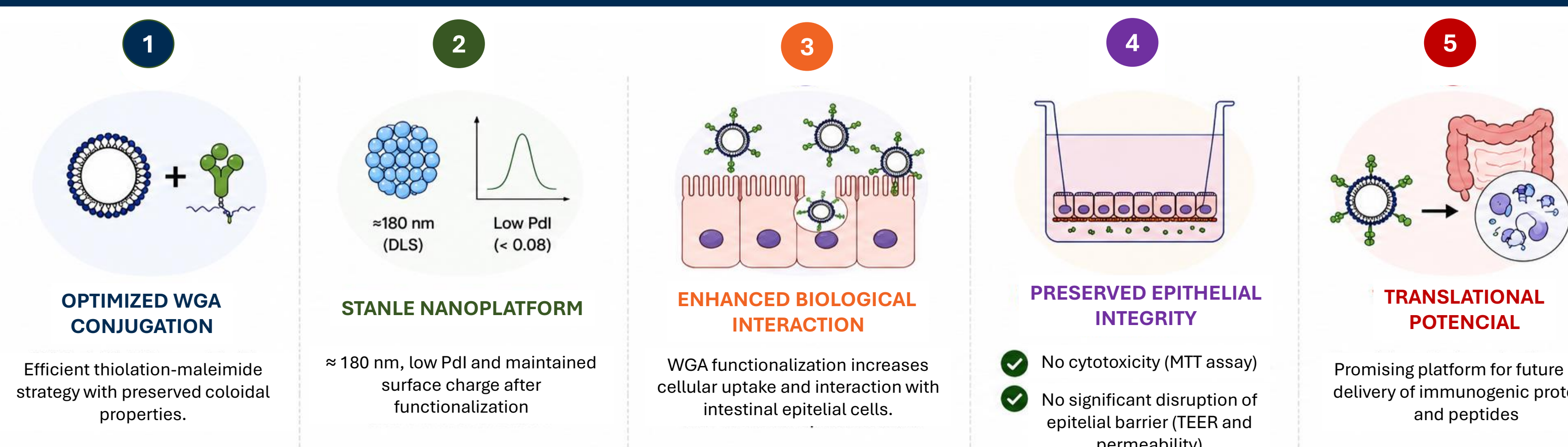
RESULTS



CONCLUSION

This study demonstrates that PEGylated liposomes functionalized with WGA constitute a stable and biocompatible nanoplatform for intestinal targeting. The optimized conjugation strategy preserved the physicochemical properties of the liposomes while enhancing their interaction with intestinal epithelial cells and promoting greater cellular uptake. Together, these findings support the potential of WGA-functionalized liposomes as a versatile delivery platform for the future oral administration of immunogenic proteins and peptides.

KEY HIGHLIGHTS



REFERENCES

- [1] Zhang et al. Journal of Nanobiotechnology, 2025, v. 23, n. 1, p. 400, 10.1186/s12951-025-03479-8.
- [2] Prabhu et al, Journal of Drug Delivery Science and Technology, 2024 v. 102, p. 106307, 10.1016/j.jddst.2024.106307.

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