

Iron-carbohydrate complexes against anaemia: elucidating nano-structure and nano-bio interactions

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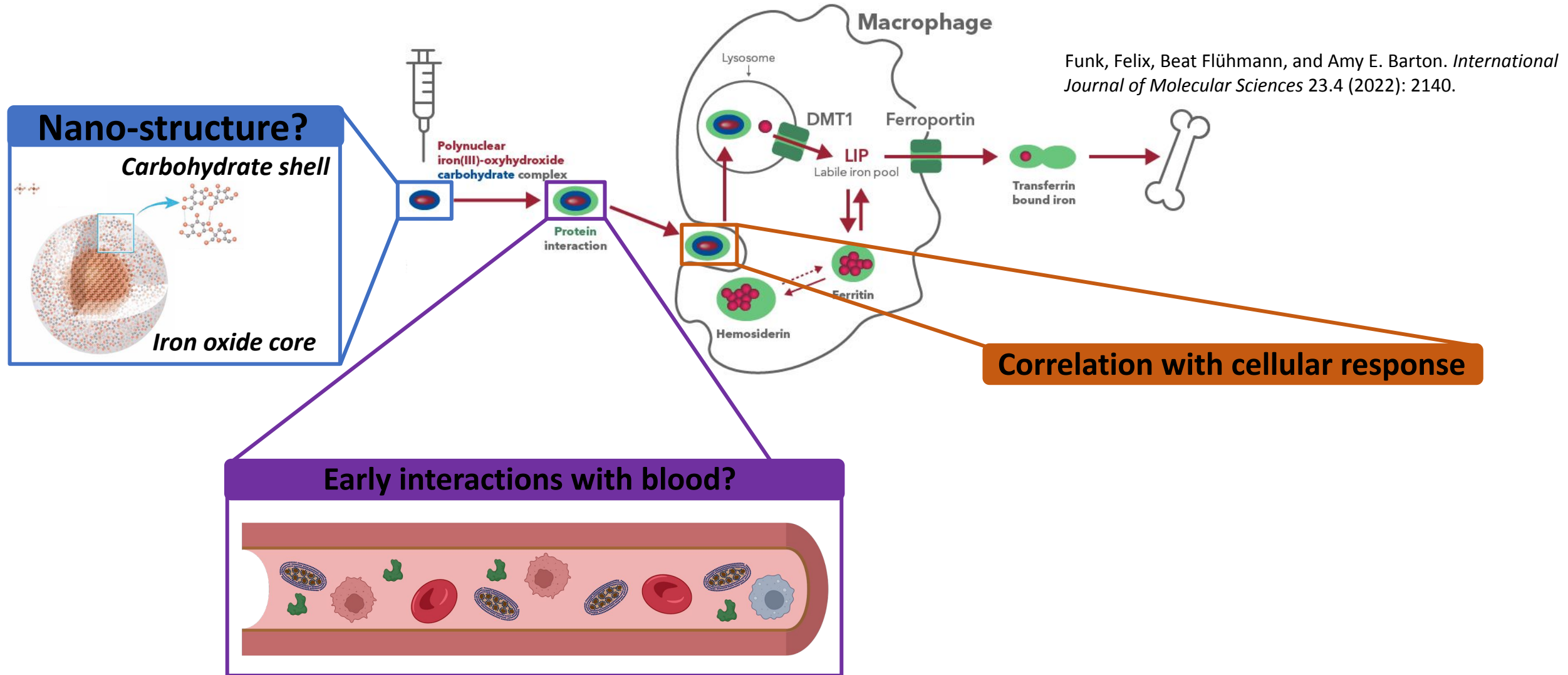


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Challenges in understanding iron-carbohydrate complexes

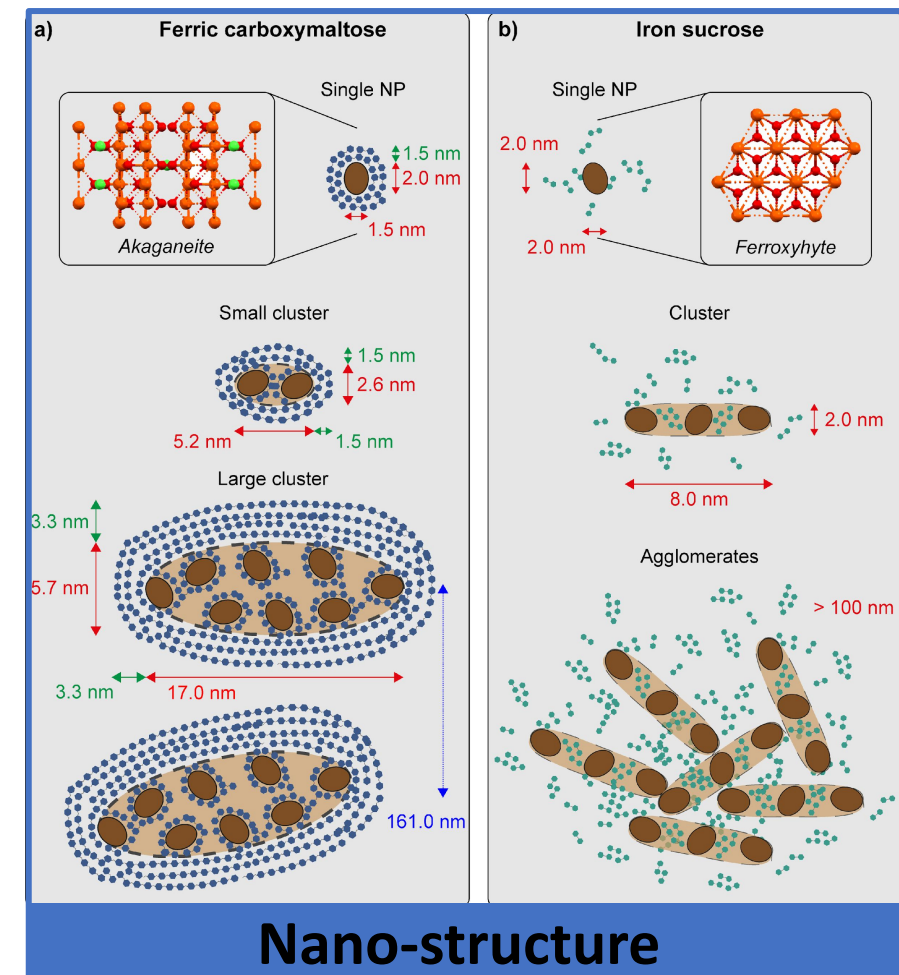


Results

Small-angle X-ray scattering (SAXS) and neutron scattering (SANS)

+ microfluidics

Early interactions with blood



Krupnik, Leonard. *Journal of Controlled Release* 368 (2024): 566-579.

Conclusions

Different iron-carbohydrate complexes show differences in carbohydrate morphology



Carbohydrate morphology guides serum protein interactions



Differences in serum protein interactions likely determine cellular responses

