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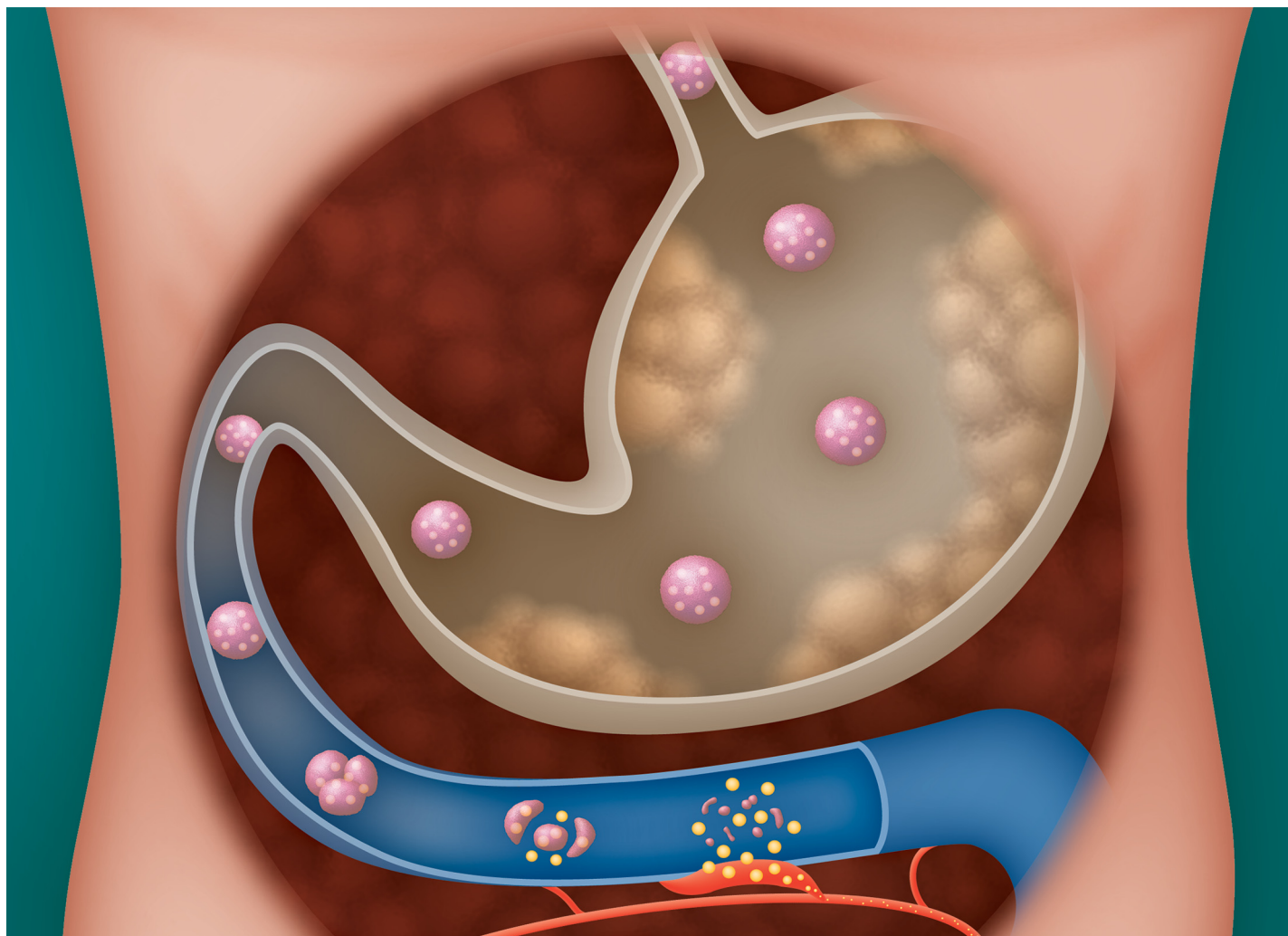
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**Showcasing research from Professor Hang T. Ta's laboratory, Queensland Micro and Nanotechnology Centre, School of Environment and Science, Griffith University, Brisbane, Australia.**

Poly(succinimide) nanoparticles as reservoirs for spontaneous and sustained synthesis of poly(aspartic acid) under physiological conditions: potential for vascular calcification therapy and oral drug delivery

We have developed biocompatible nanoparticles based on poly(succinimide) that are stable at low pH and gradually dissolve at physiological pH, which is a highly desirable feature for oral drug delivery. During dissolution, polysuccinimide converts to poly(aspartic acid) that can effectively prevent calcification of smooth muscle cells. Overall, the developed nanomaterials have great potential for drug delivery and vascular calcification treatment.

### As featured in:



See Hang Thu Ta *et al.*,  
*J. Mater. Chem. B*, 2023, **11**, 2650.