

Environmental Science: Atmospheres

GOLD
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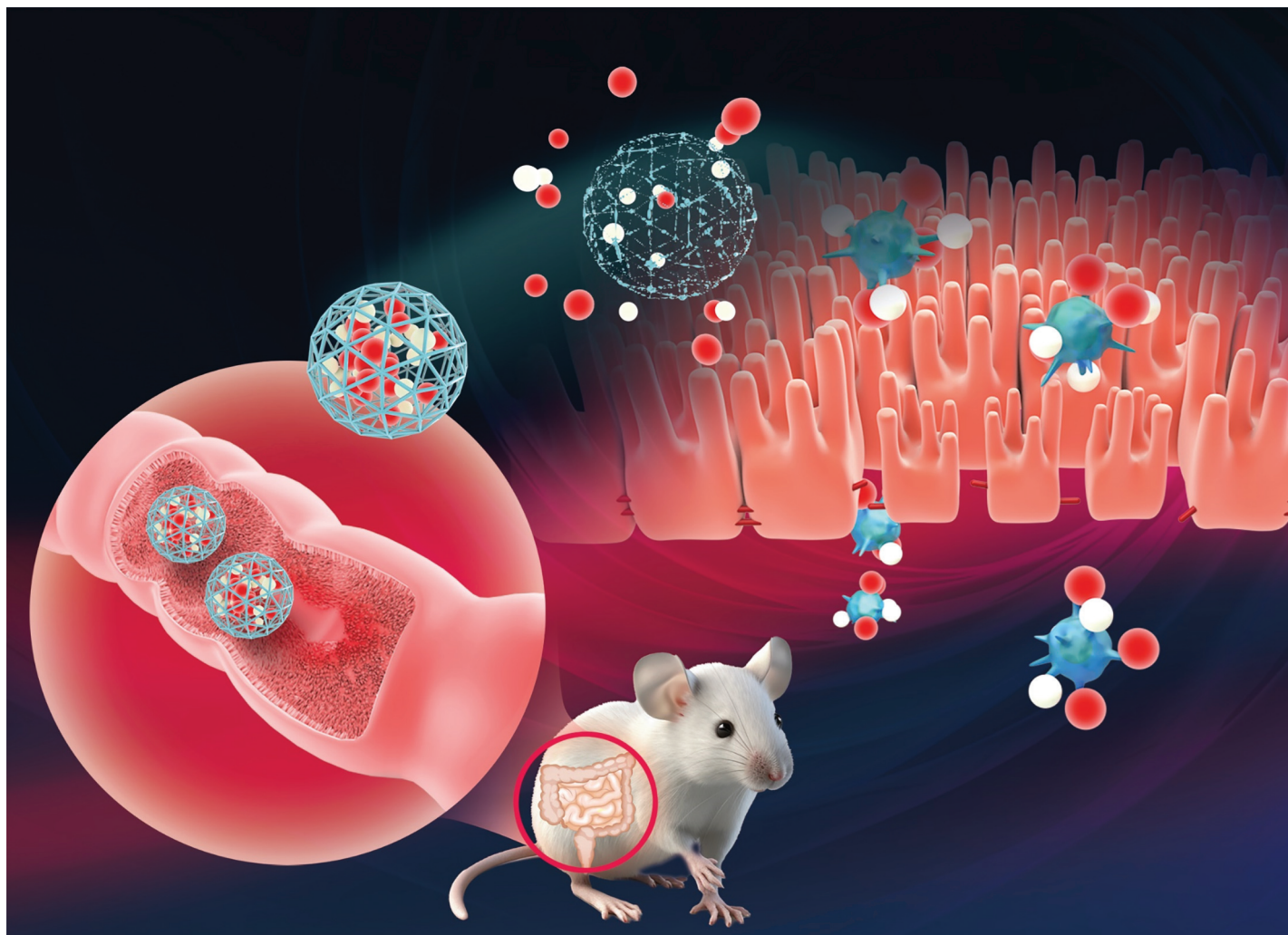
Connecting communities
and inspiring new ideas

APCs waived until mid-2023

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Fundamental questions
Elemental answers



Showcasing research from Professor Baokun Qi's laboratory, Institute of Food Science and Technology, Northeast Agricultural University, Harbin, China.

The synergistic effect of epigallocatechin-3-gallate and quercetin co-loaded hydrogel beads on inflammatory bowel disease

The epigallocatechin-3-gallate and quercetin were co-encapsulated in hydrogel beads with sodium alginate and soybean protein isolate to improve the stability and bioavailability. The anti-inflammatories and molecular mechanism of inflammatory bowel disease of epigallocatechin-3-gallate and quercetin co-loaded hydrogel beads was also investigated. The results demonstrated that hydrogel beads successfully deliver epigallocatechin-3-gallate and quercetin to the colon and play a positive role in inflammatory bowel disease.

As featured in:



See Baokun Qi *et al.*, *Food Funct.*, 2023, 14, 4539.