Title: Doxycycline-Loaded Calcium Phosphate Nanoparticles with a Pectin Coat Can Ameliorate Lipopolysaccharide-Induced Neuroinflammation Via Enhancing AMPK

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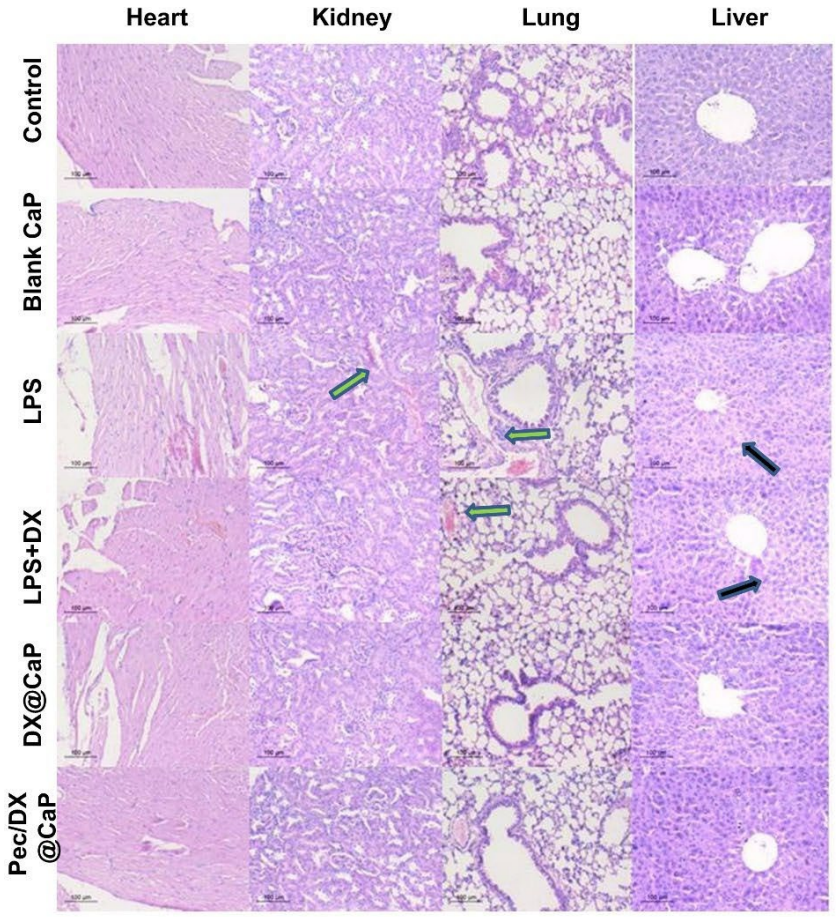

Supplementary Figure 1: LPS toxicity study

- The dissected organs (heart, kidney, lung, and liver) show normal architecture in all groups except for vascular congestion (green arrow) in LPS (untreated) and DX-treated groups as well as hepatocyte ballooning and microsteatosis (black arrow) which decreases remarkably in the DX@CaP, and Pec/DX@CaP-treated groups • Compared to the normal group and the group treated by blank nanoparticles which have a normal histological architecture of the cerebrum, hippocampus, and cerebellum, in the LPS (untreated) group, the cerebrum (grey and white matters).