

I CAL27-CCM cloaked Au@C in CDX models
III SCC7-CCM cloaked Au@C in immune-competent primary and distant tumor models

II HN6-CCM cloaked Au@C in TOX models
IV Customized PTT in PDX models

**Scheme 1** Schematic illustration of the modular design of the therapeutic processes for customized PTT based on tailored Au@C-CCM NPs.

Schematics were created with BioRender.com