



3D Graphic & Schematic Portfolio

**Kaavian
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 Brooklyn, NY

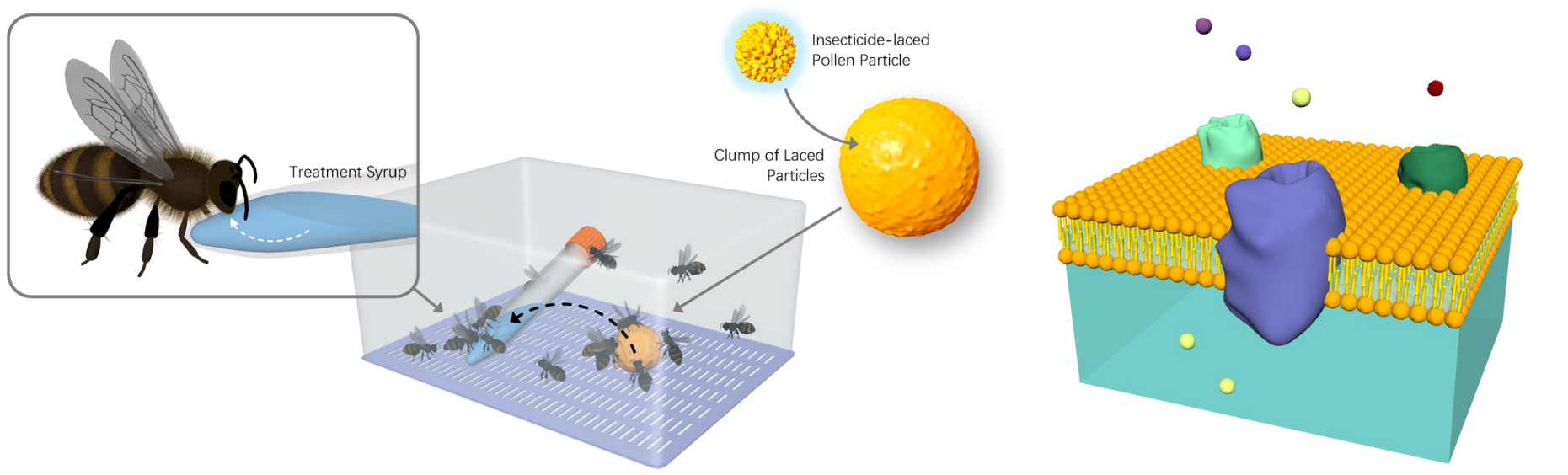
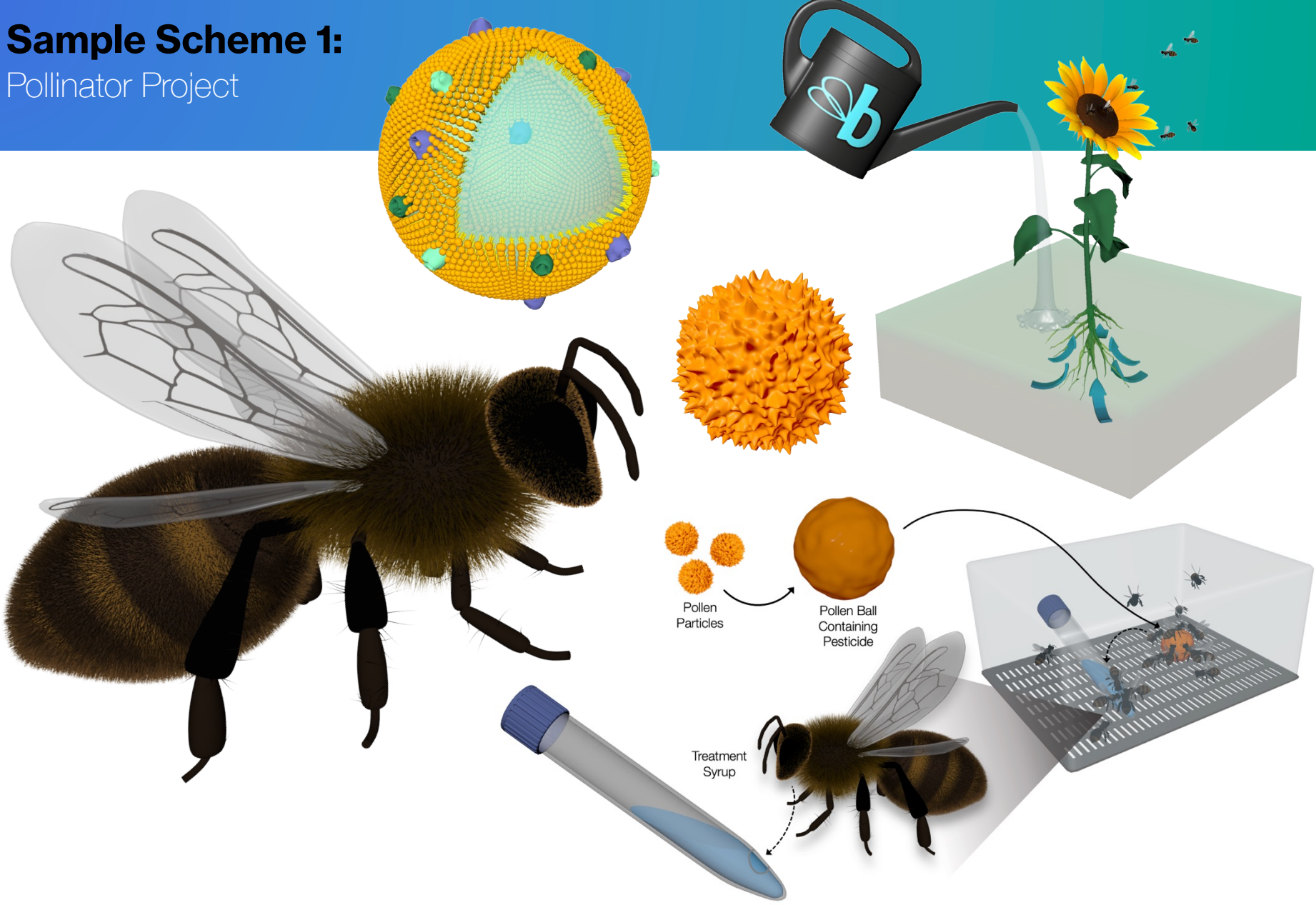
 @KaavianShariati

 kaavian.shariati@gmail.com

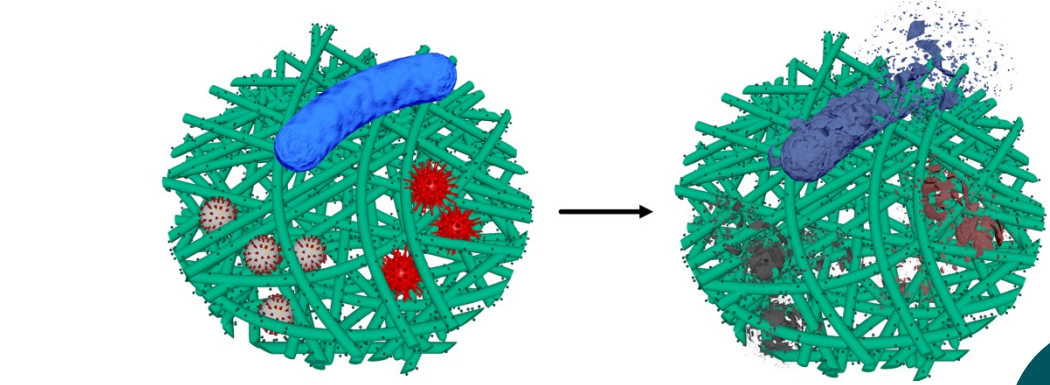
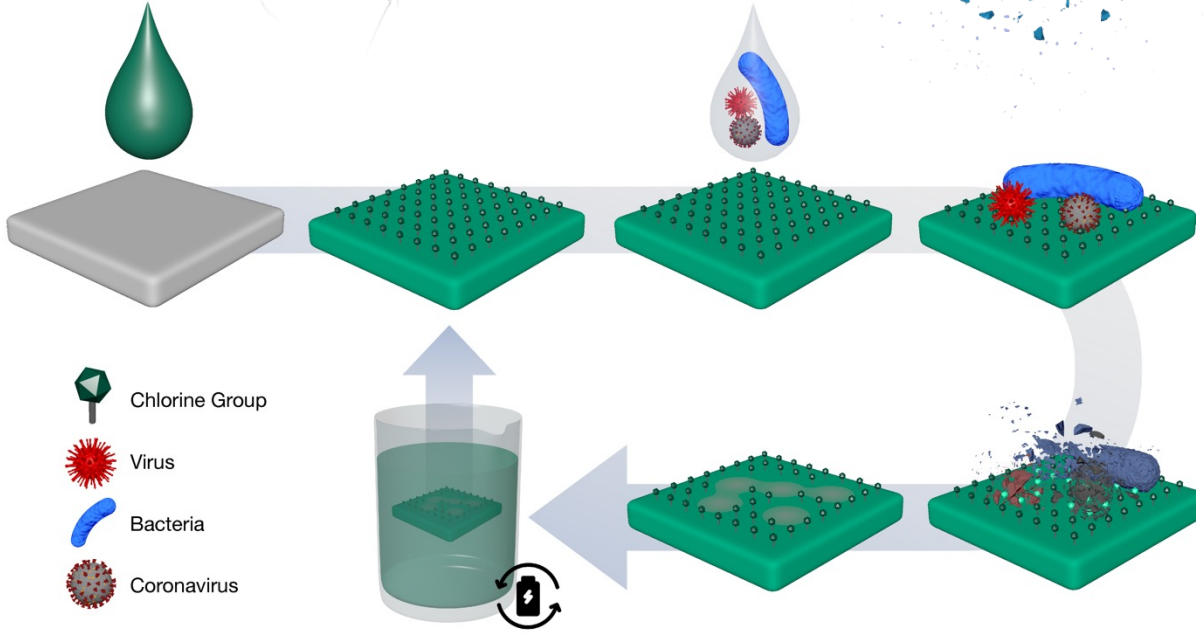
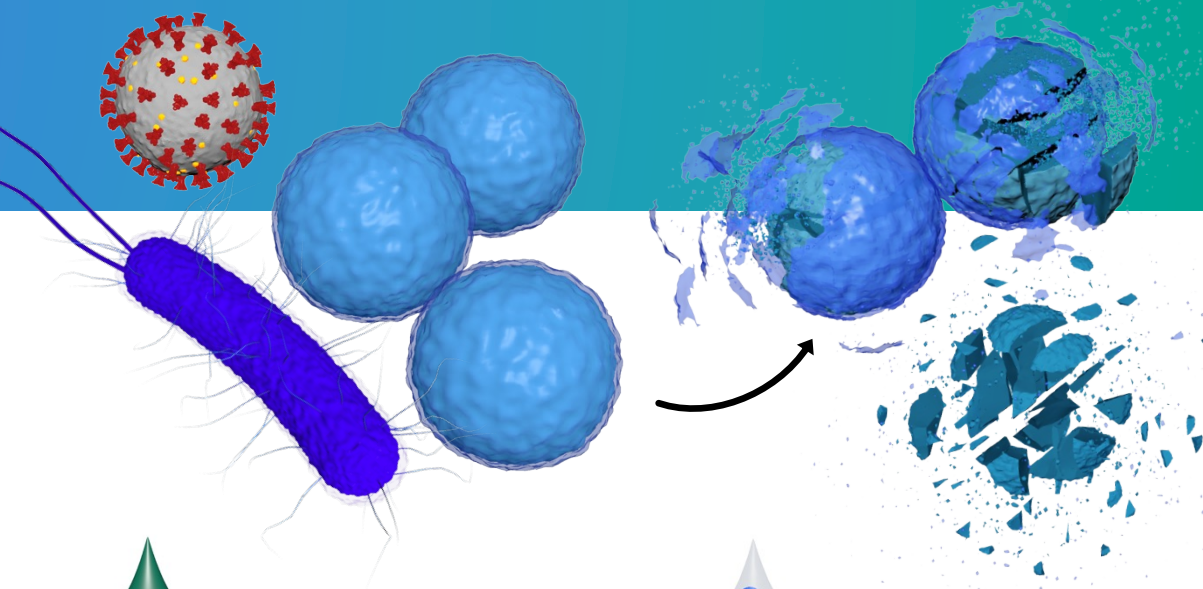
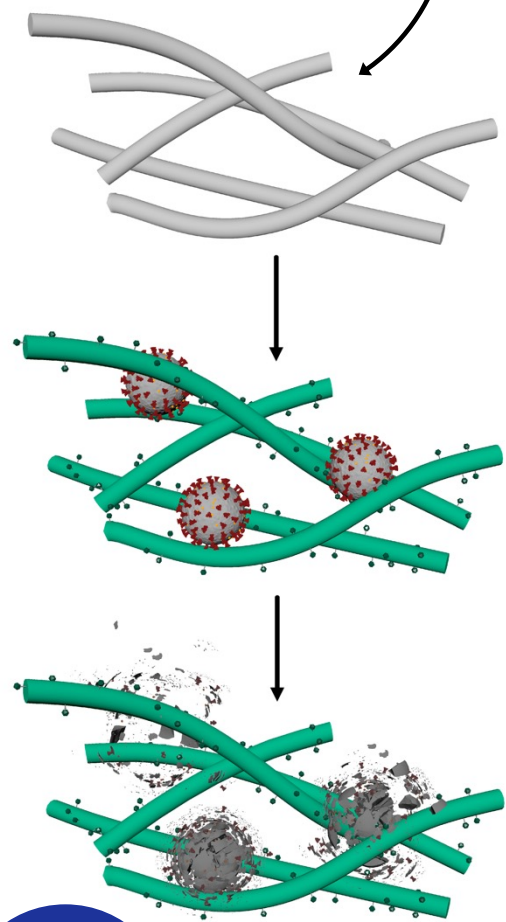
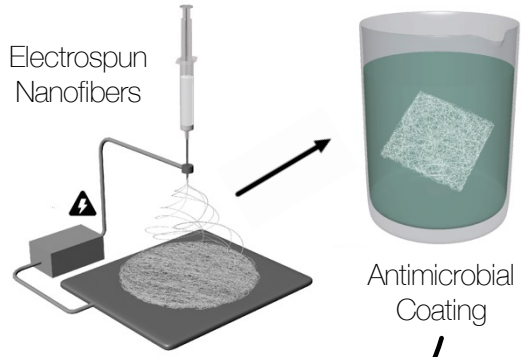
 www.kaavianshariati.com/

Sample Scheme 1:

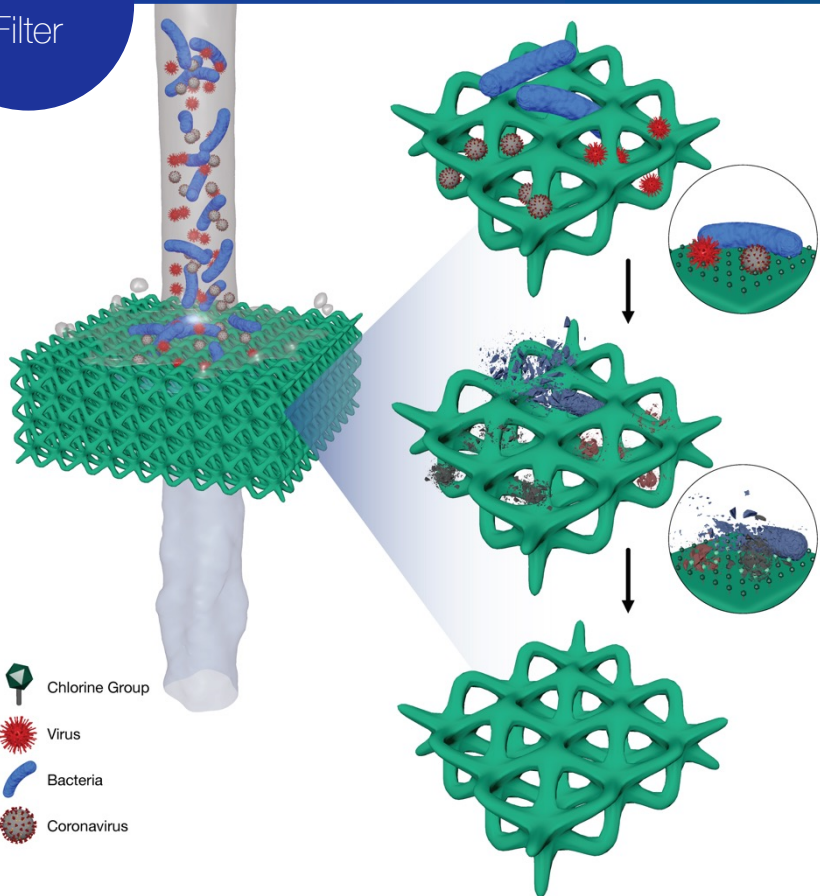
Pollinator Project



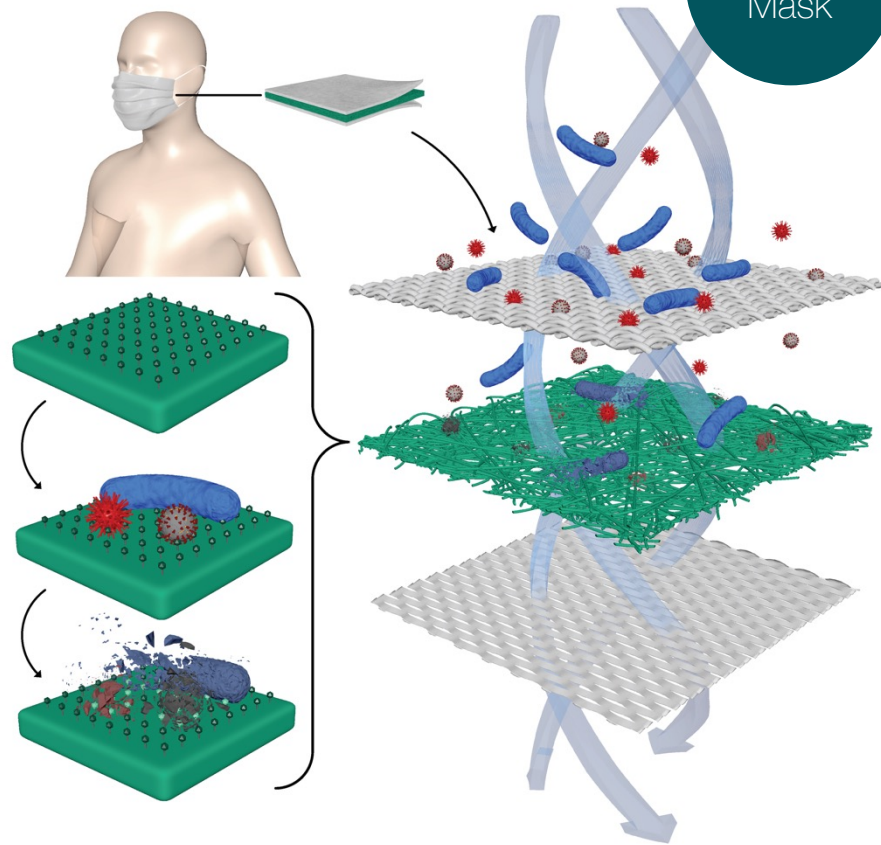
Sample Scheme 2: Antimicrobial Material



Water Filter

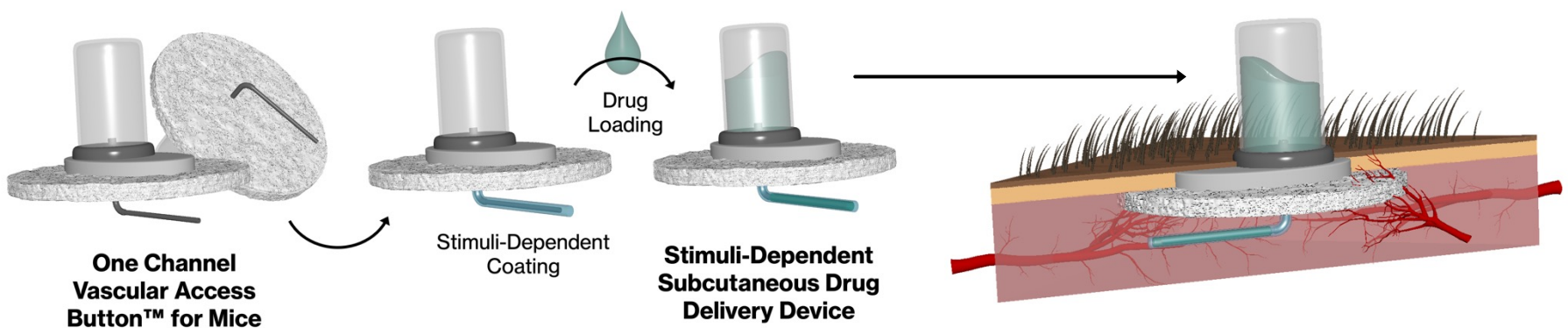
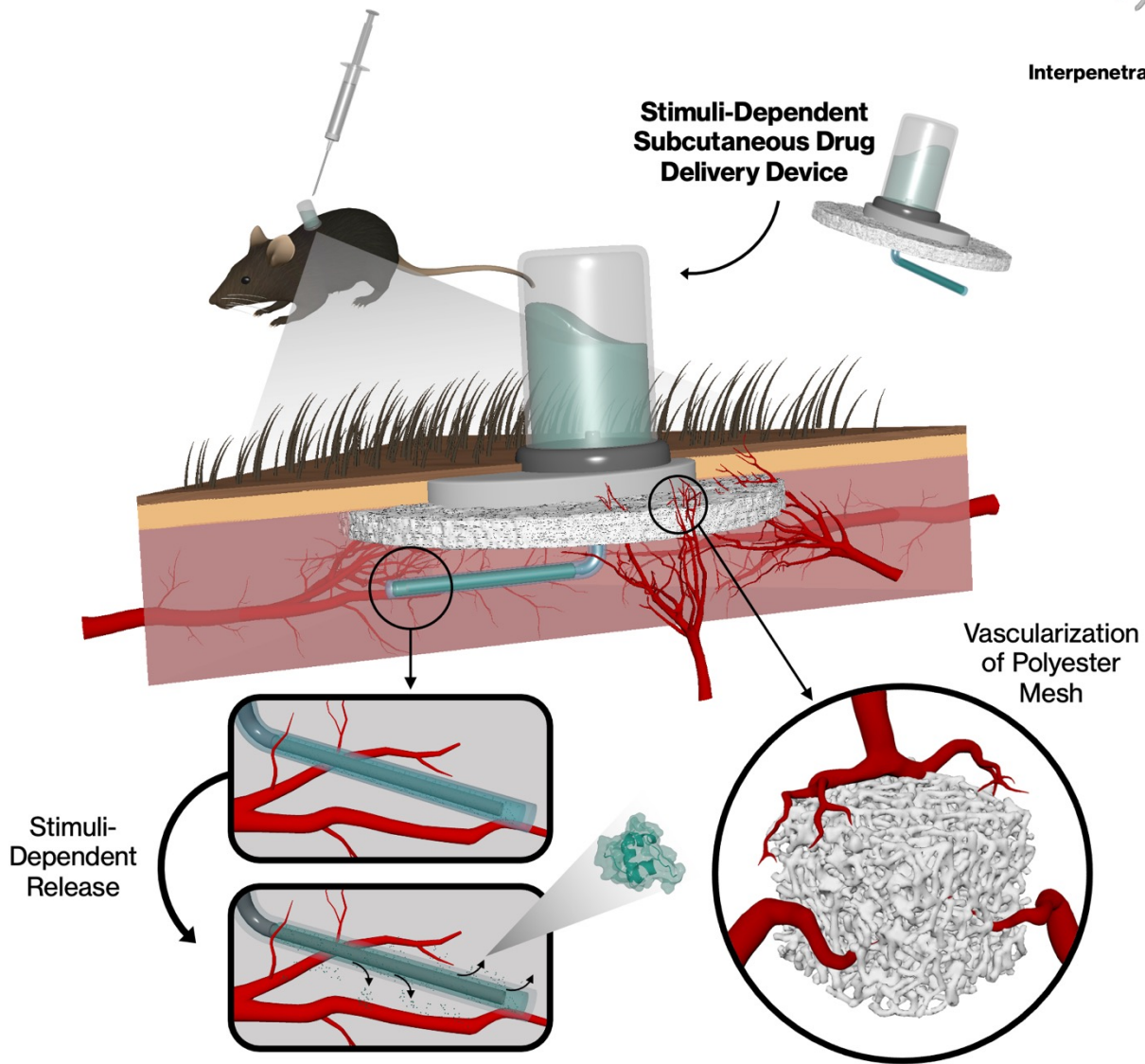
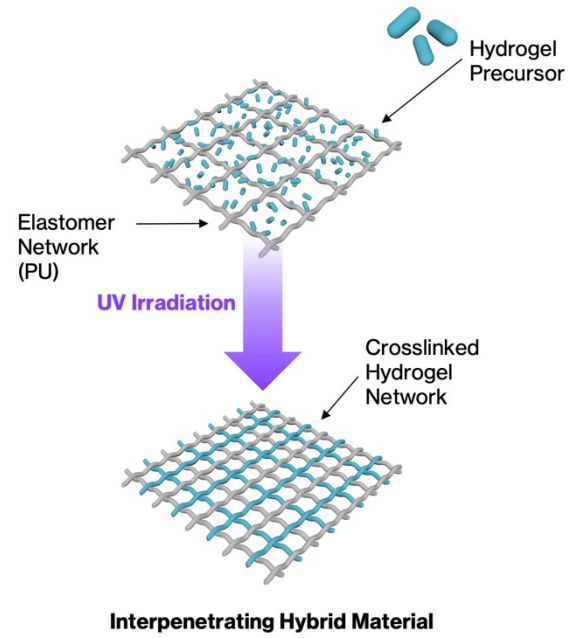
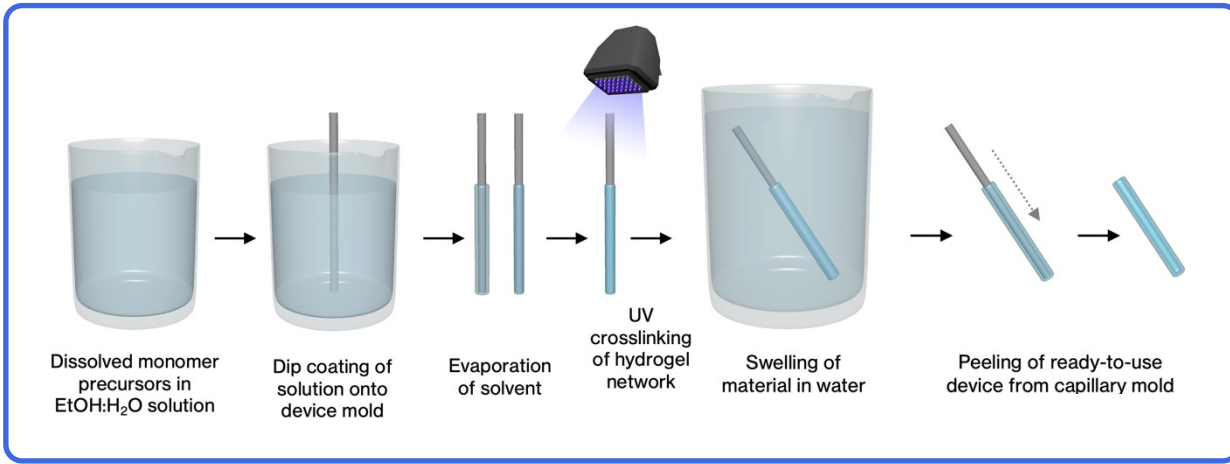


Face Mask

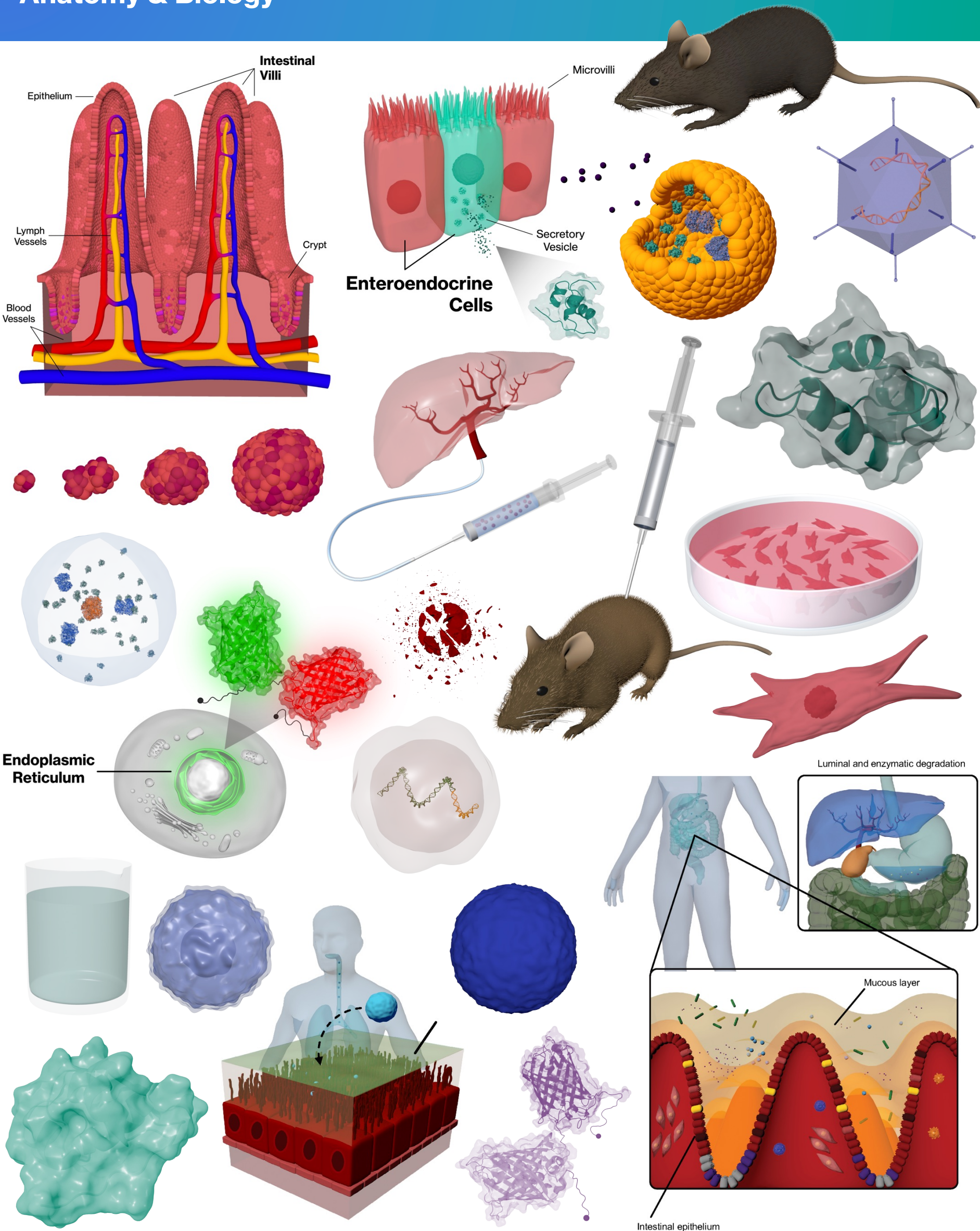


Sample Scheme 3:

Stimuli-Dependent Drug Delivery Device



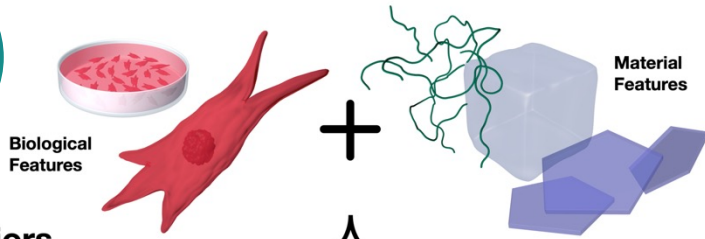
Vector Samples Anatomy & Biology



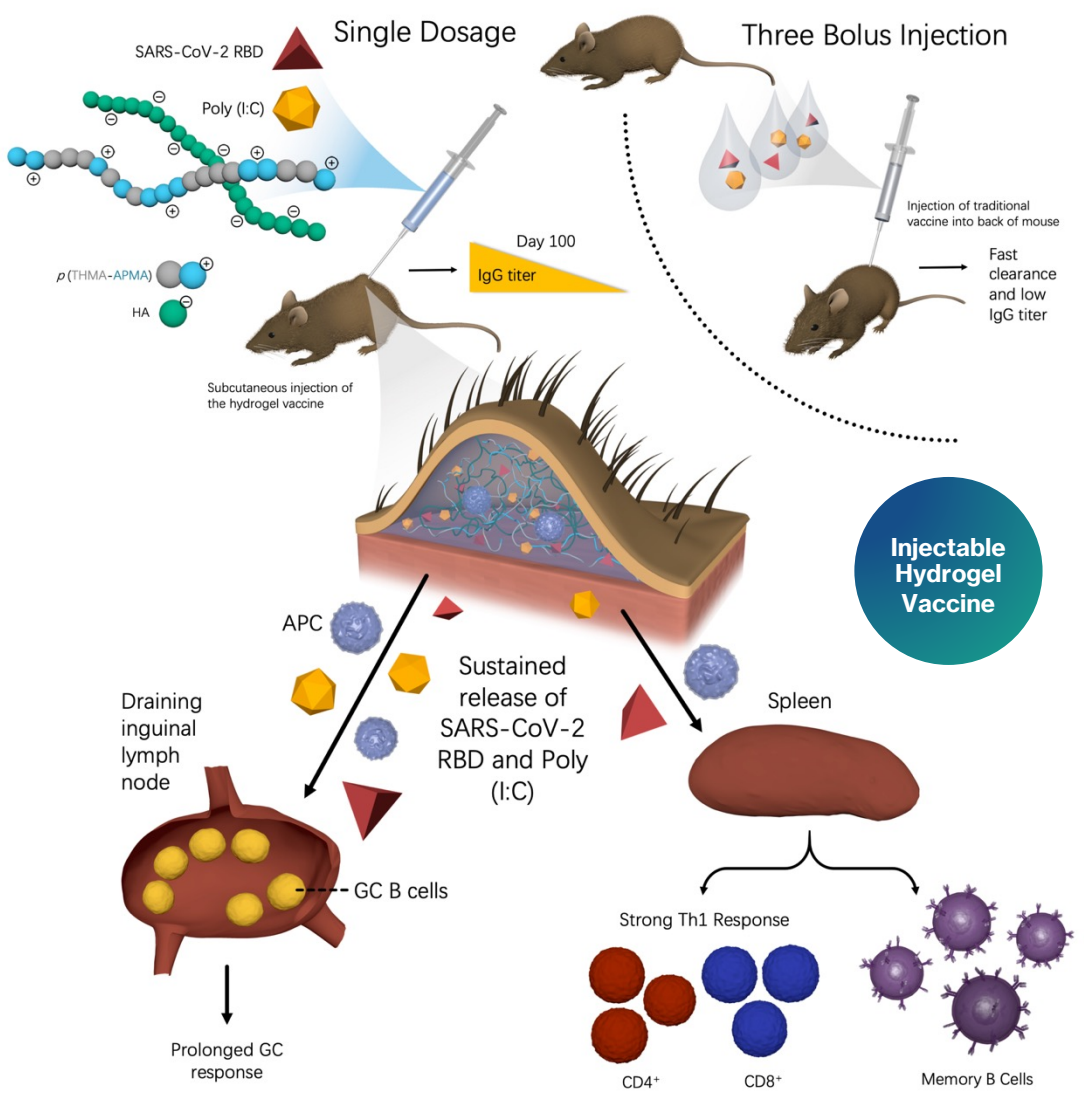
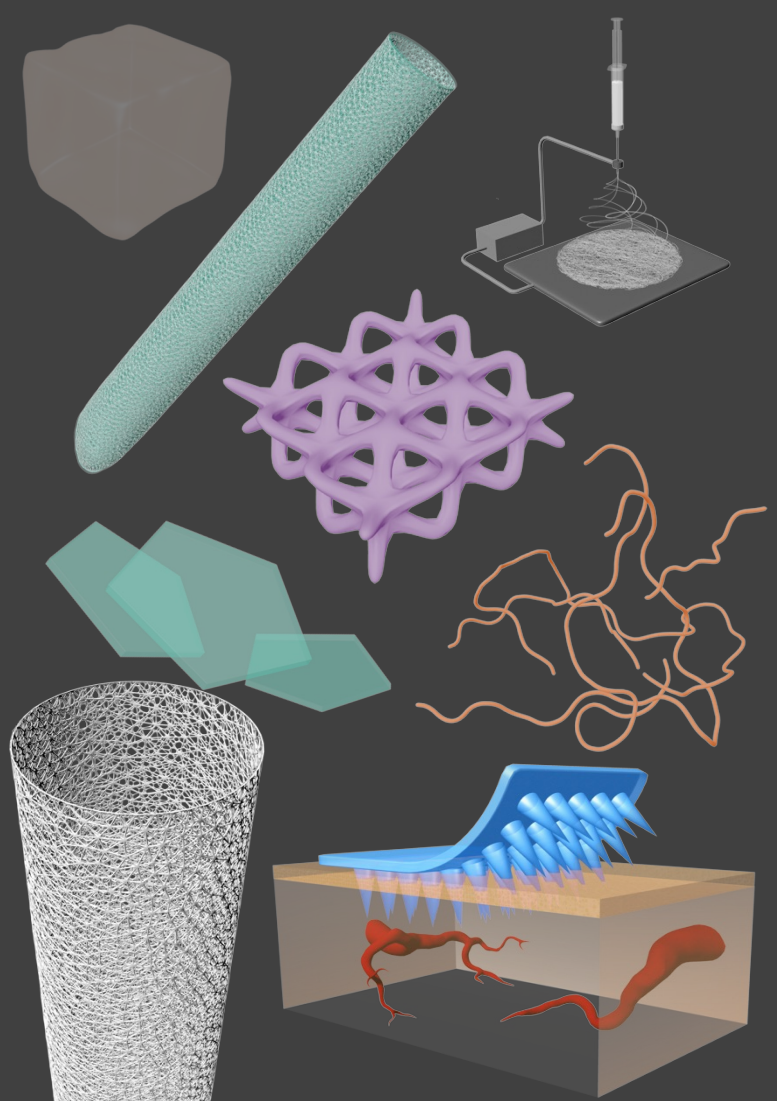
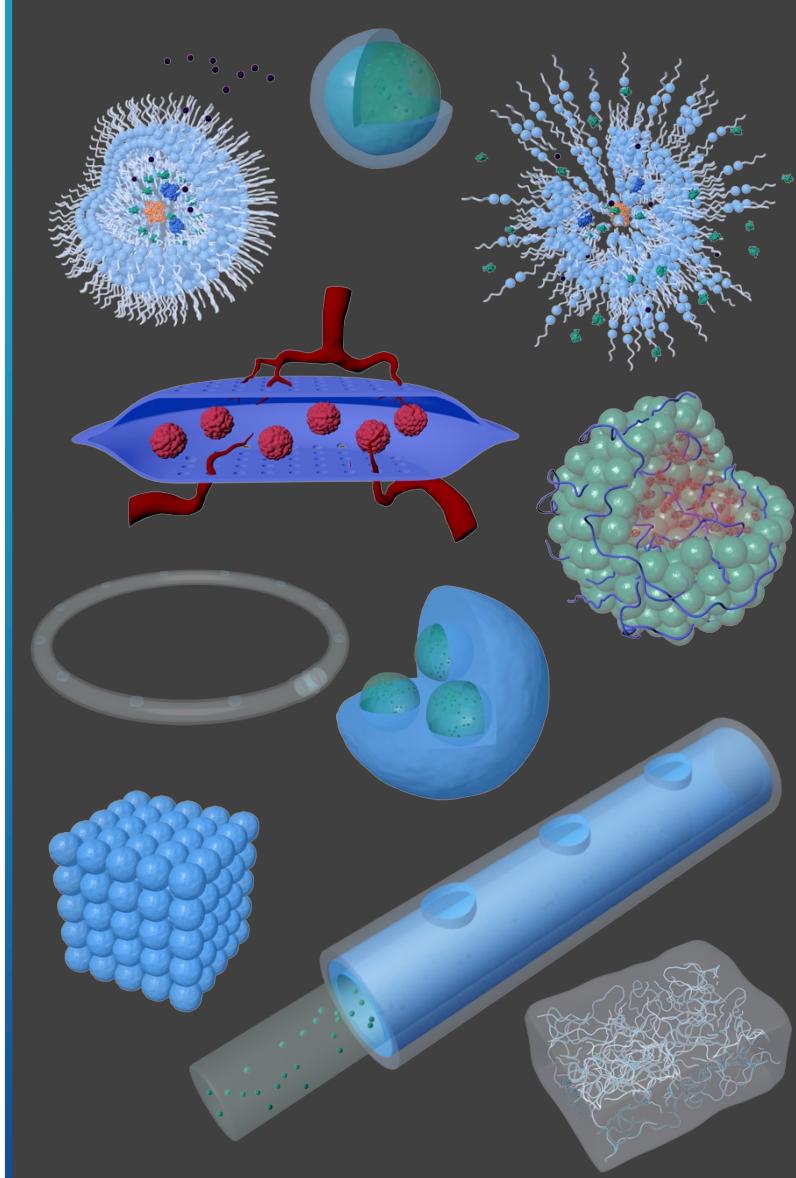
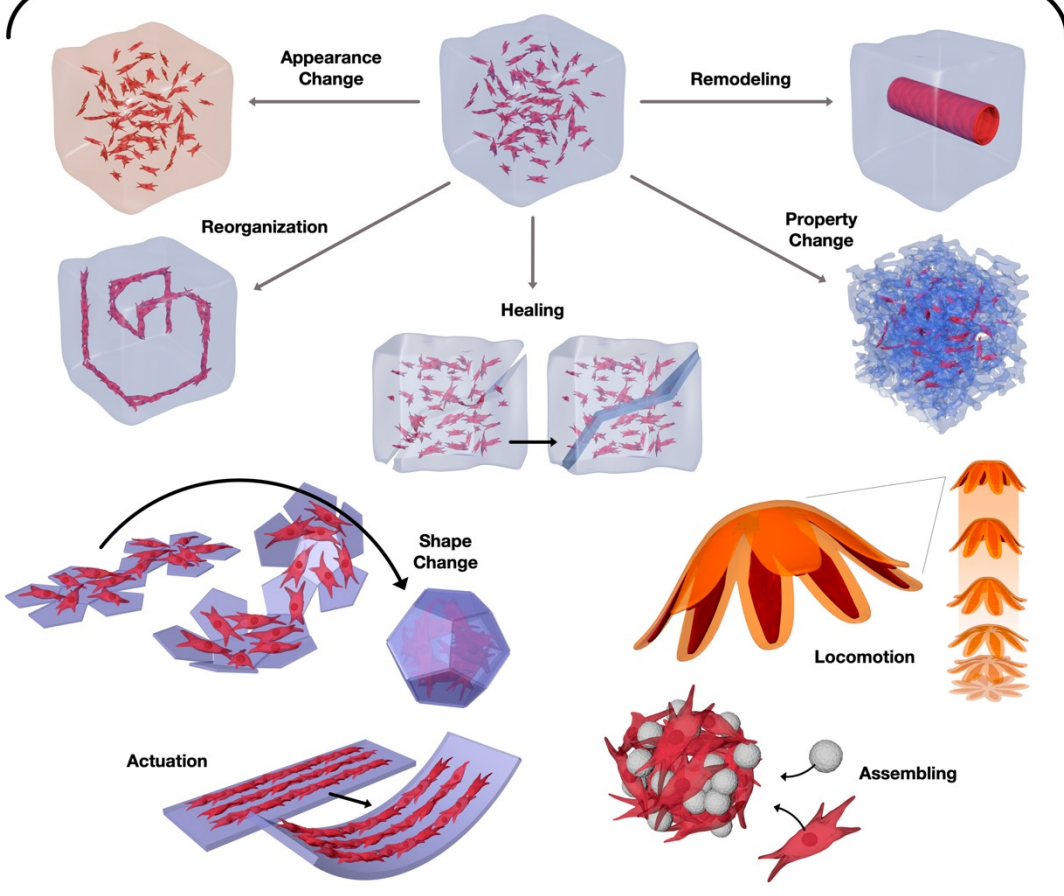
Vector & Schematic Samples

Biomaterials, Devices & Medicine

Living
Material
Behaviors



4D Behaviors

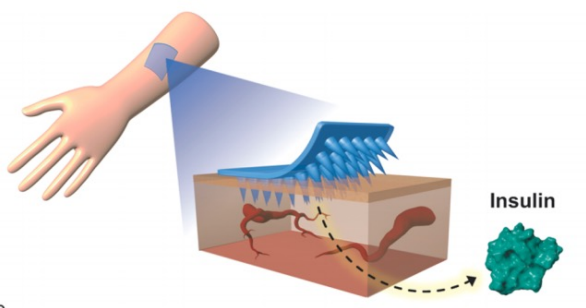


Vector & Schematic Samples

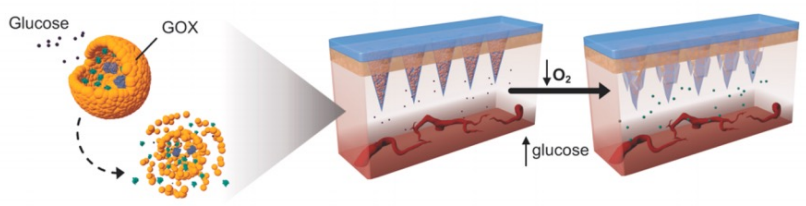
Biomaterials, Devices & Medicine

Stimuli-Dependent Release

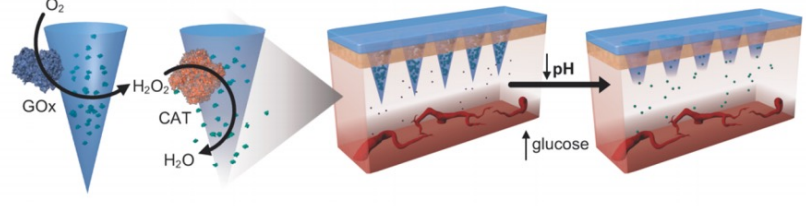
Insulin Microneedle Patches



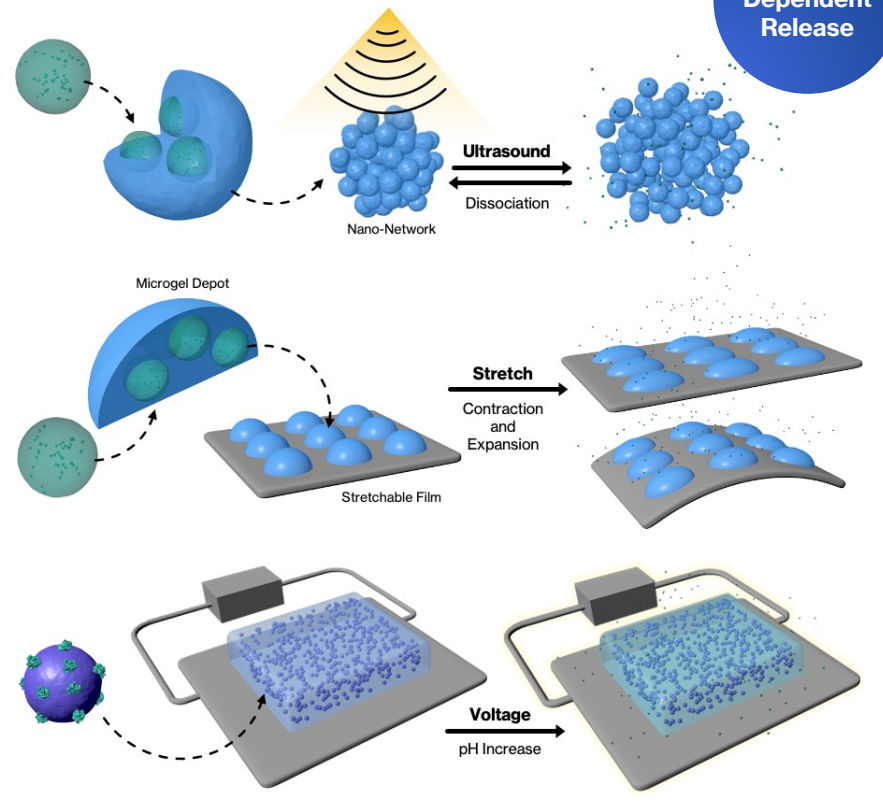
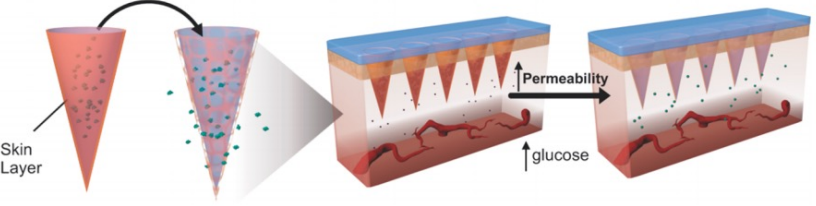
a) Hypoxia sensitive release



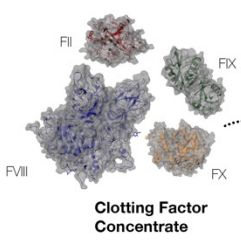
b) pH sensitive release



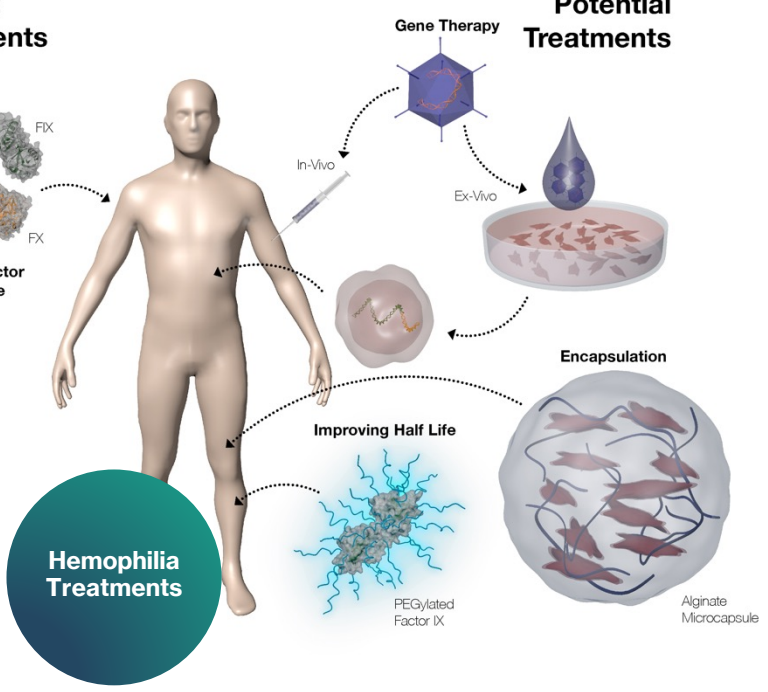
c) Permeability change release



Current Treatments

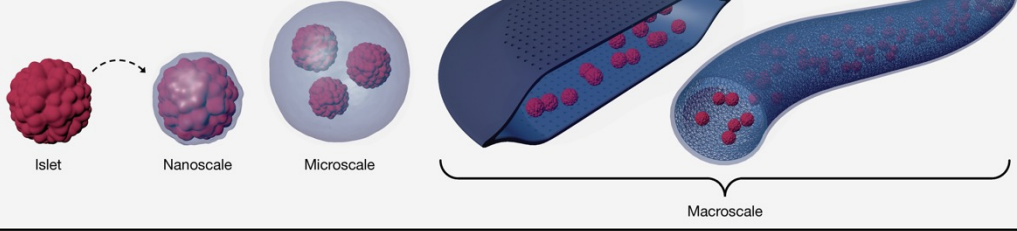


Potential Treatments

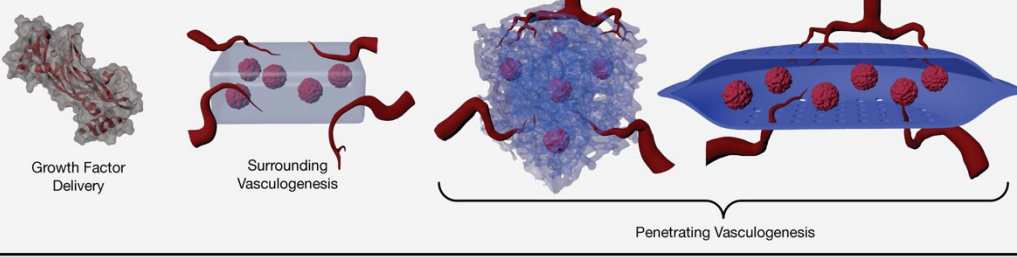


Hemophilia Treatments

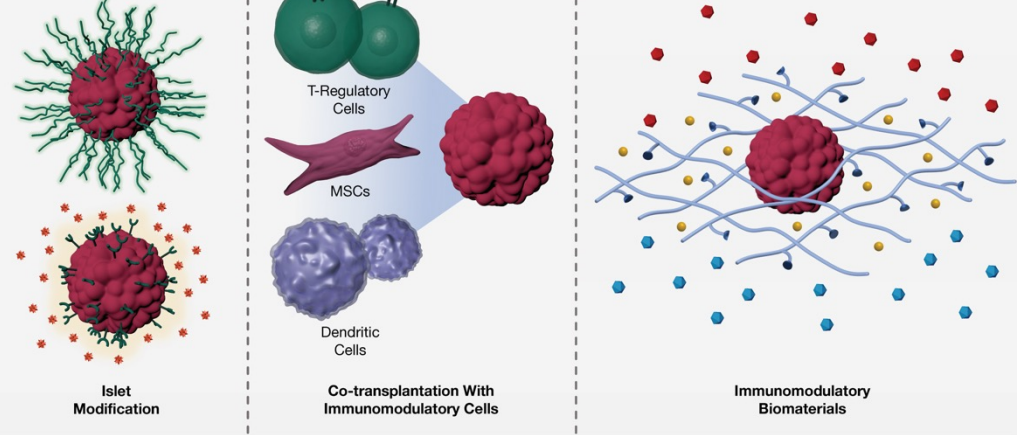
Encapsulation



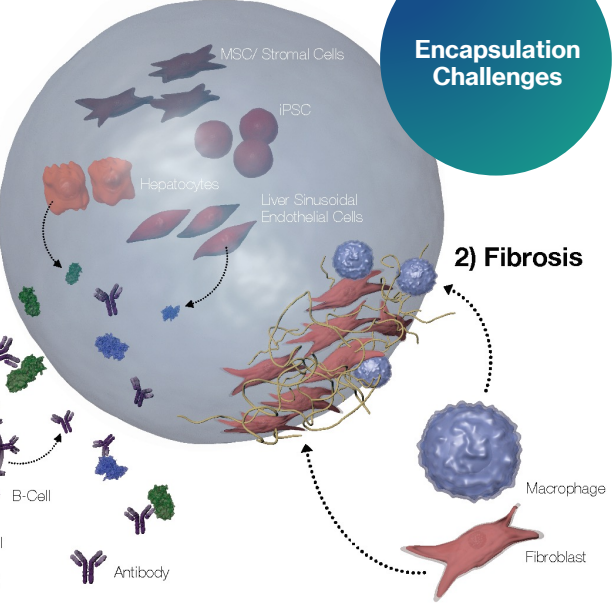
Vascularization



Immunomodulation

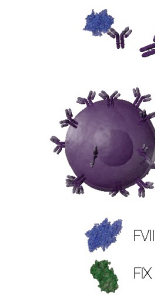


1) Cell Type



Encapsulation Challenges

3) Antibody Clearance



2) Fibrosis

