Bruce Lee
Biomimetic Biomaterials
Polymer Chemistry, Bioadhesive, Smart Biomaterial and Adhesive

Polymeric Model System Development

Chemistry from Mussel

Re-shapeable Gel as Fit-to-Shape Sealant
Injectable Seal sutured anastomosis

Remoldable Gel Adhere to non-flat surface

Injectable Bioadhesive

Underwater Smart Adhesive

Strong, Wet Adhesion
Weak Adhesion

Force Displacement

Recyclable and Anti-Pathogenic Microparticles

Bruce P. Lee