Tissue Engineering and Nanomedicine
for replacement and treatment of diseased tissues/organs

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Bottom-up Tissue Reconstruction
U Rochester, Harvard Med Sch (NIH/NSF)

Multifunctional Biomimetic Grafts
NYU, Hunter, TexasA&M (NJHF, NSF)

Nanomedicine in Cancer Theranostics
CDI-Hackensack, U Florida (NIH)

Inkjet printing
3D bioprinting

Skin grafts
Chronic wounds

Electrospinning

Tumor volume

Nanotechnology enabled photodynamic (PDT) and photothermal (PTT) therapy of solid tumors