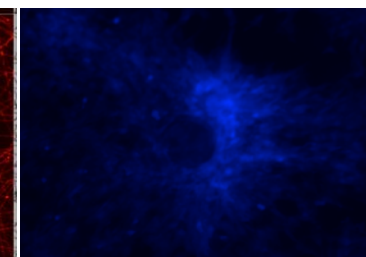
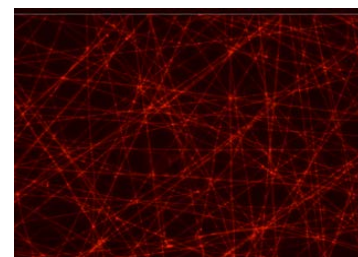
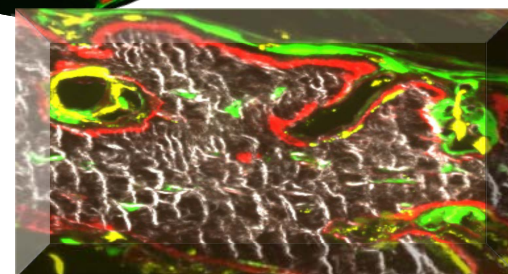
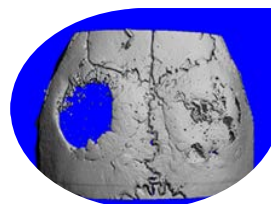
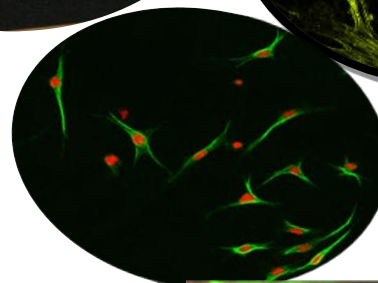
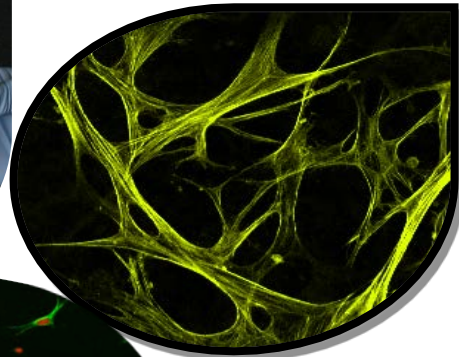
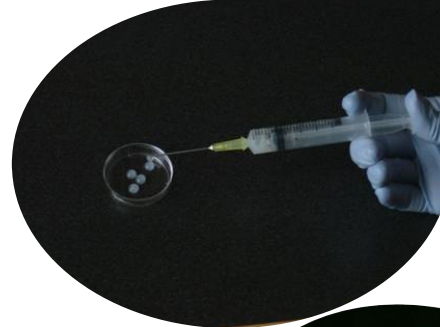




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Areas of Research Interest

- Injectable biomaterials for minimally invasive procedures
 - Liquid before injection and solid after injection
 - Support cell growth in 3D
 - Localized and controlled protein delivery
 - Biofunctional hydrogels to activate cell surface receptor mediated cell signaling
- Nanostructured materials for tissue regeneration
 - Nanostructures for post-transcriptional regulation using microRNAs



Fundings

- Federal Agencies : Department of Defense, National Institutes for Health, National Science Foundation ,
- State Agencies: Connecticut Stem Cell Institute, CSTC

Courses Taught

- Co-developed & Co-teach “Introduction to Biomaterials” undergrad course
- Developed fully online live graduate course on “Biomedical Nanotechnology”
- Co-teach MD 5418 MD6445

Expertise

- Biomaterial design and characterization
- Tissue Engineering
- Cell signaling