## **3D Scaffolds for Implants**

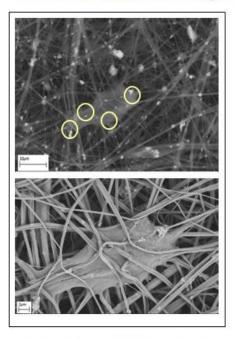
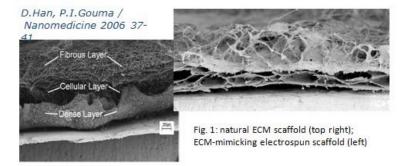


Fig. 2: CA+HA electrospun hybrid mats seeded with osteoblasts. Note the elongated shape of the cells; HA nanoclusters act as anchoring sites (unpublished research carried out in collaboration with the Molecular foundry and WVU.

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A novel nanofiber scaffold by electrospinning and its utility in microvascular tissue engineering

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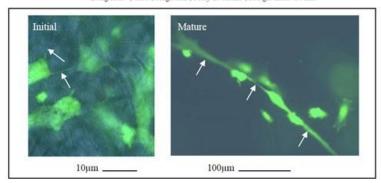


Fig.3. Human umbilical vein endothelial cells growing on CA+CT membranes. Green color indicates live cells; absence of red nuclei indicates no dead cells. Note endothelial cells growing along nanofibers (e.g., white arrow). [LEFT (40x): Blue is a false color due to phase contrast microscopy, optimized to view nanofibers. RIGHT (20x): fluorescence only]



