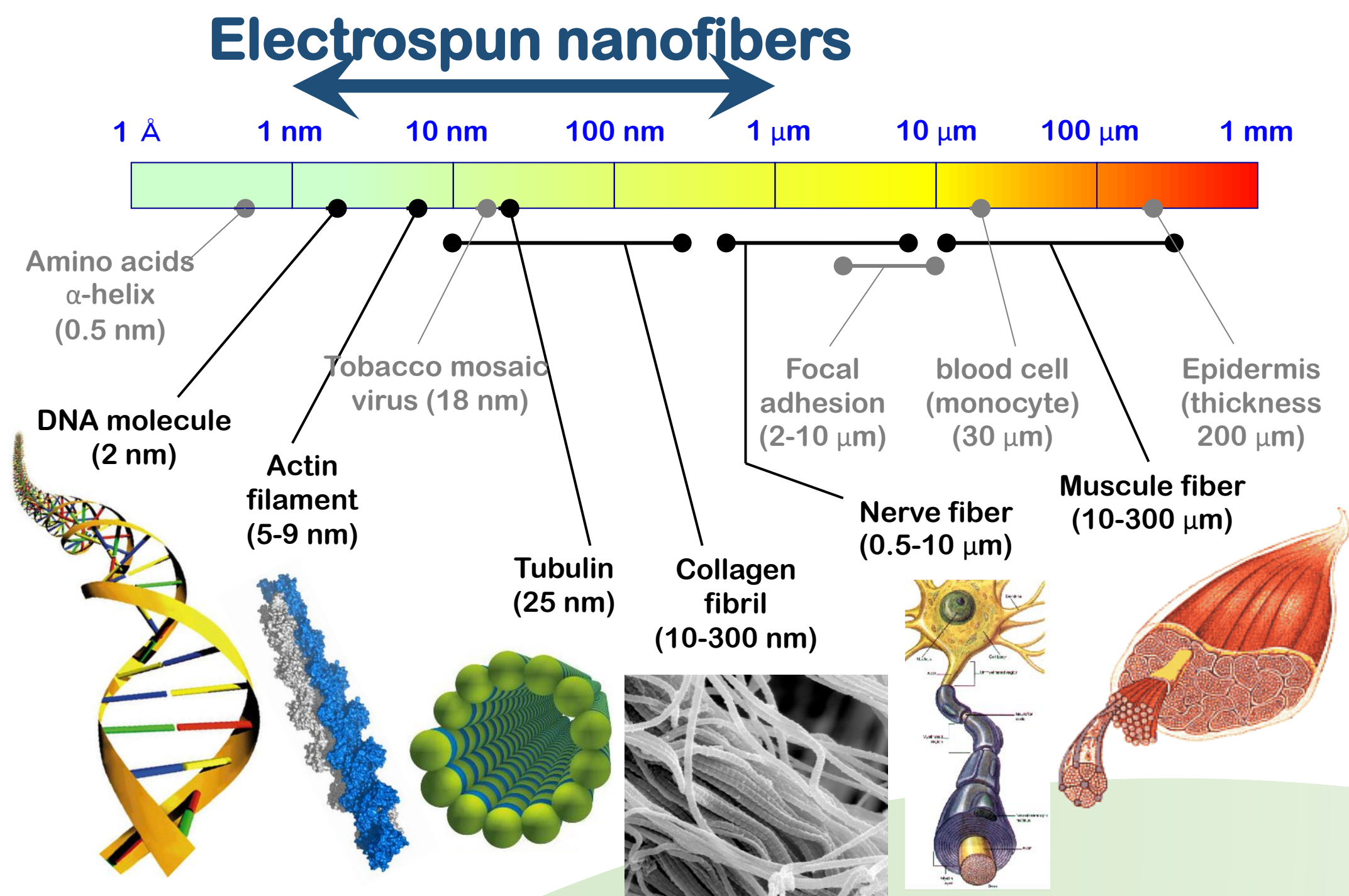
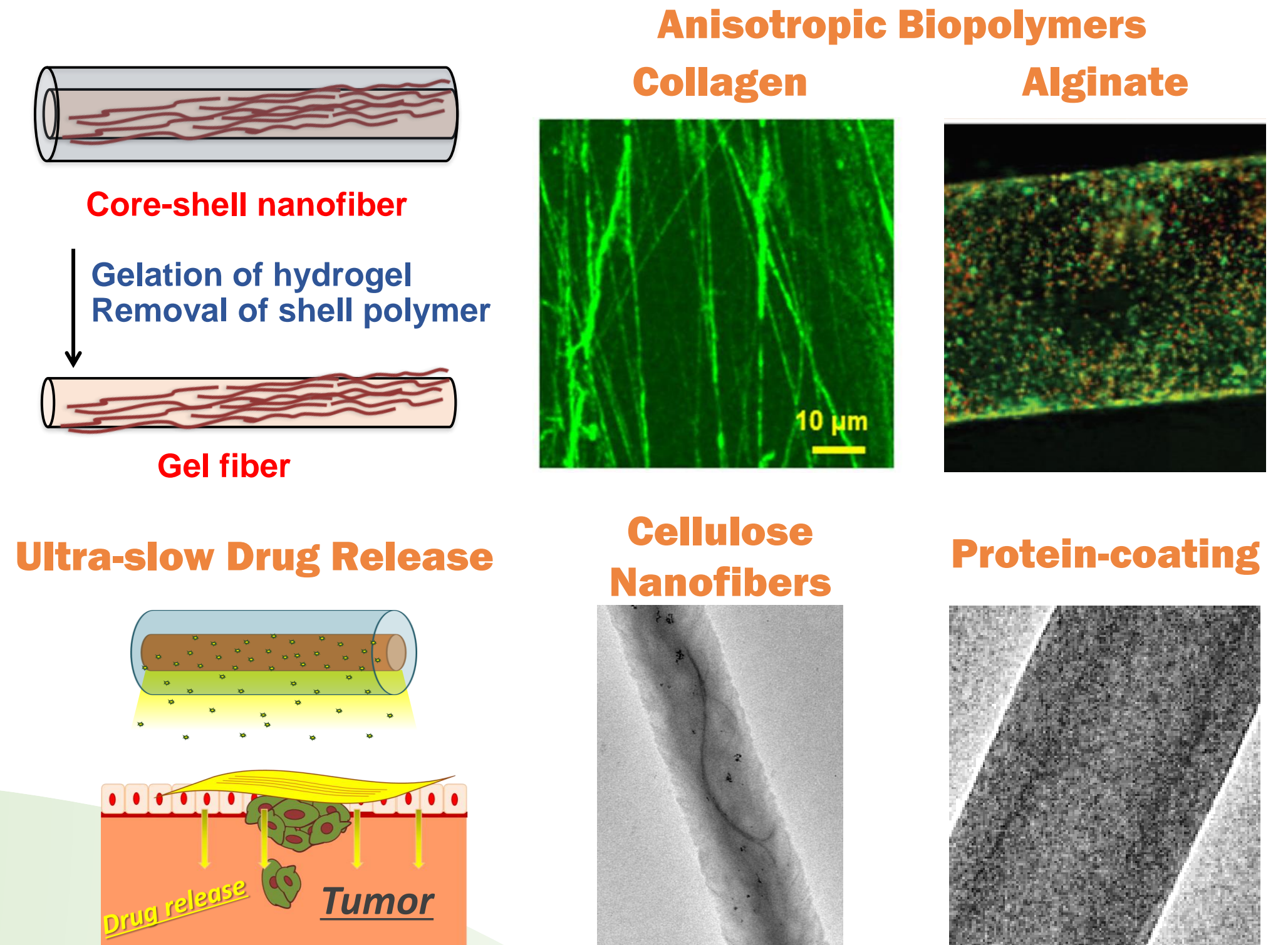


Potential of Nanofibers for Future Medicine and Biotechnology

Biomimetic extracellular matrix



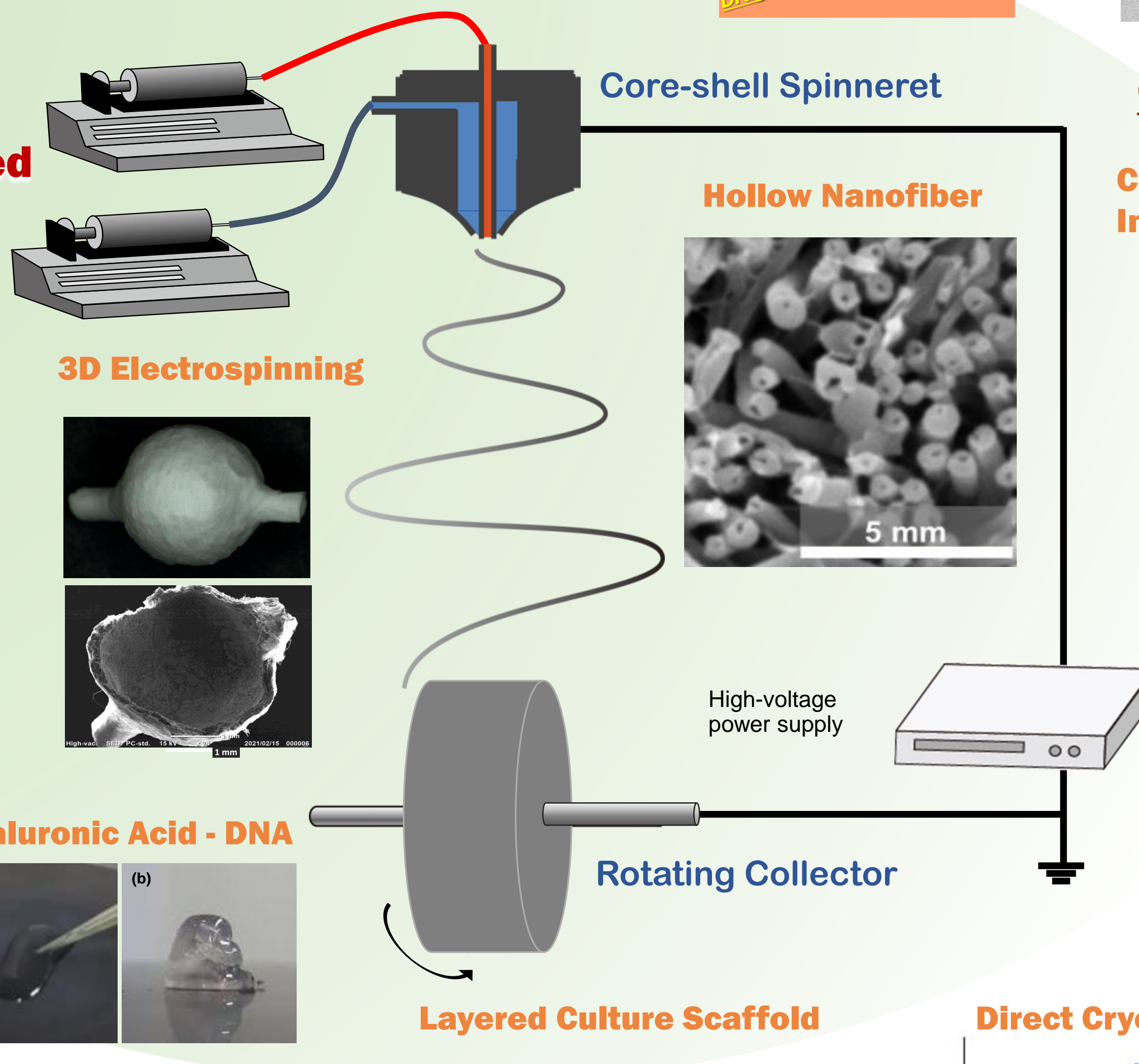
Structure tuned by electrospinning



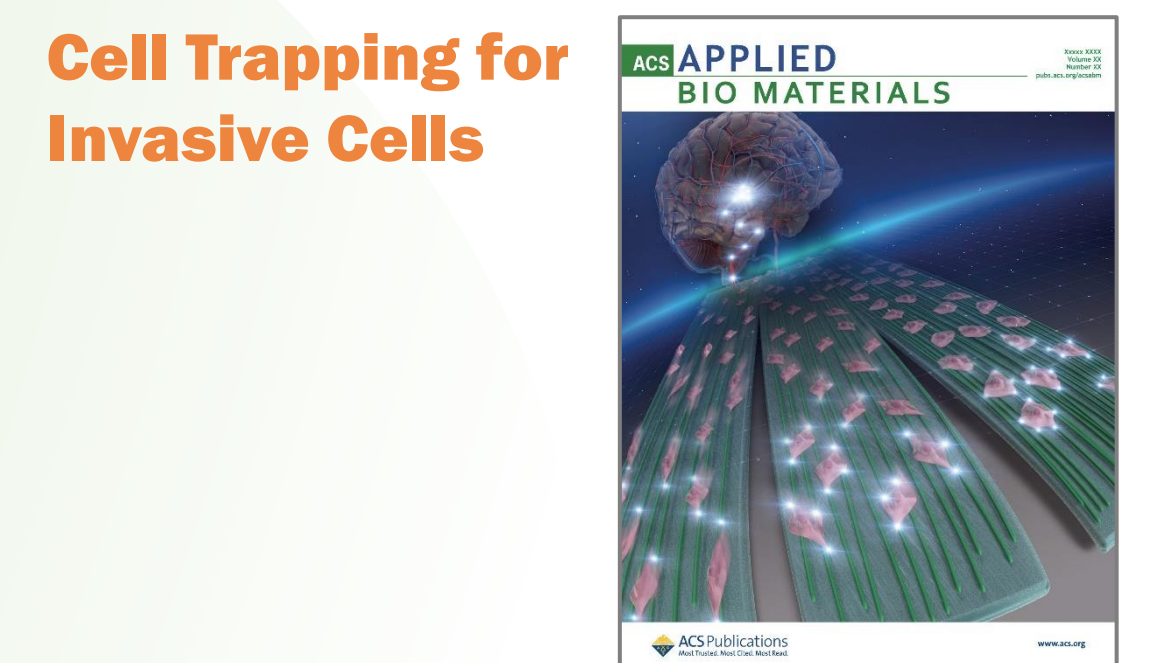
RESEARCH POLICY

R&D of biofibers based on electrospinning

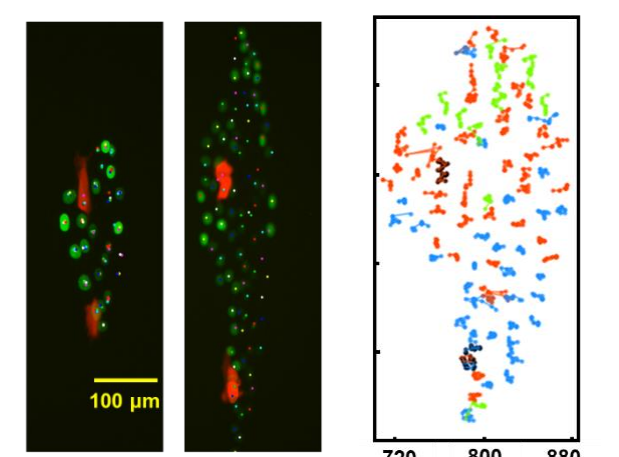
Keywords:
Electrospinning, DDS, Tissue Engineering, Nanofiber Structure, Anisotropic Hydrogel, Cancer Metastasis, Biomimetic ECM



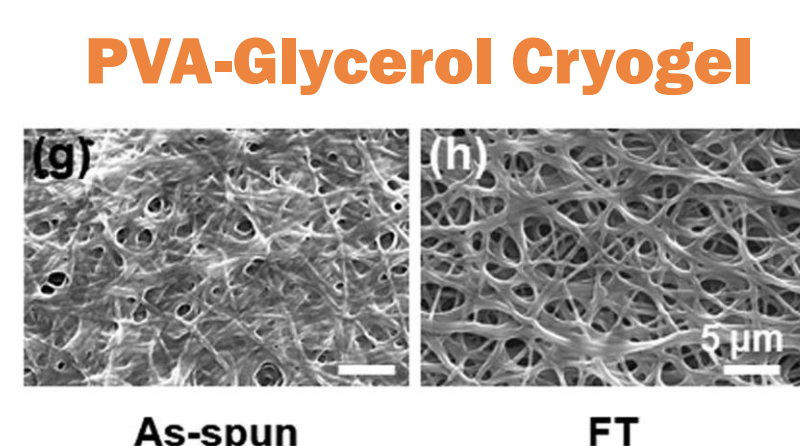
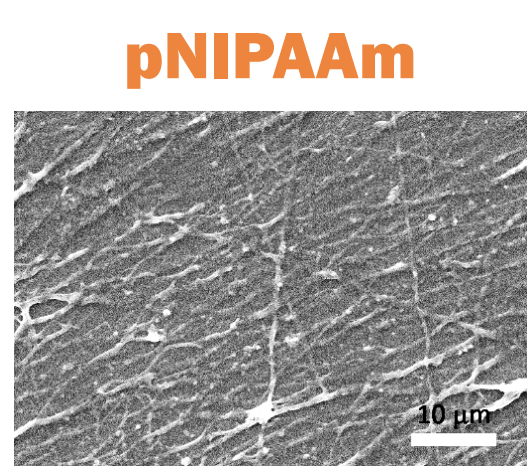
Cell Migration Control



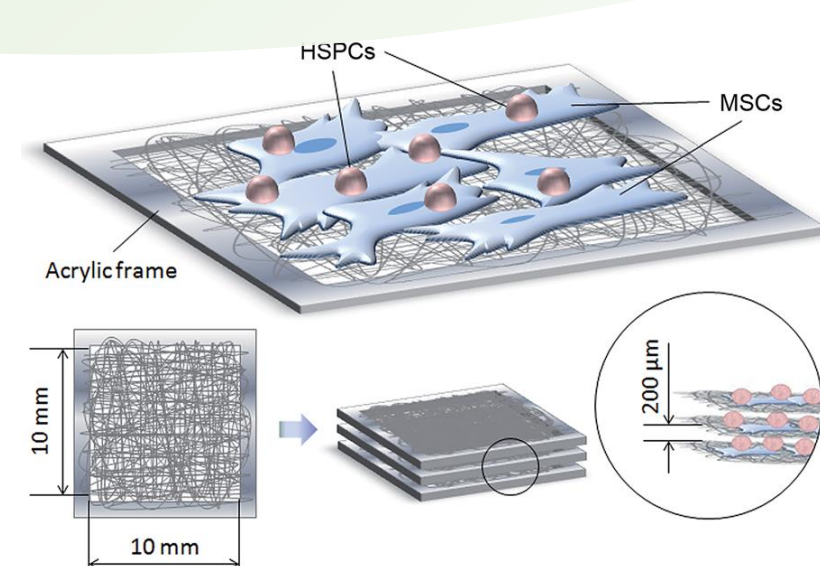
Cell Migration Analysis in Deep Learning



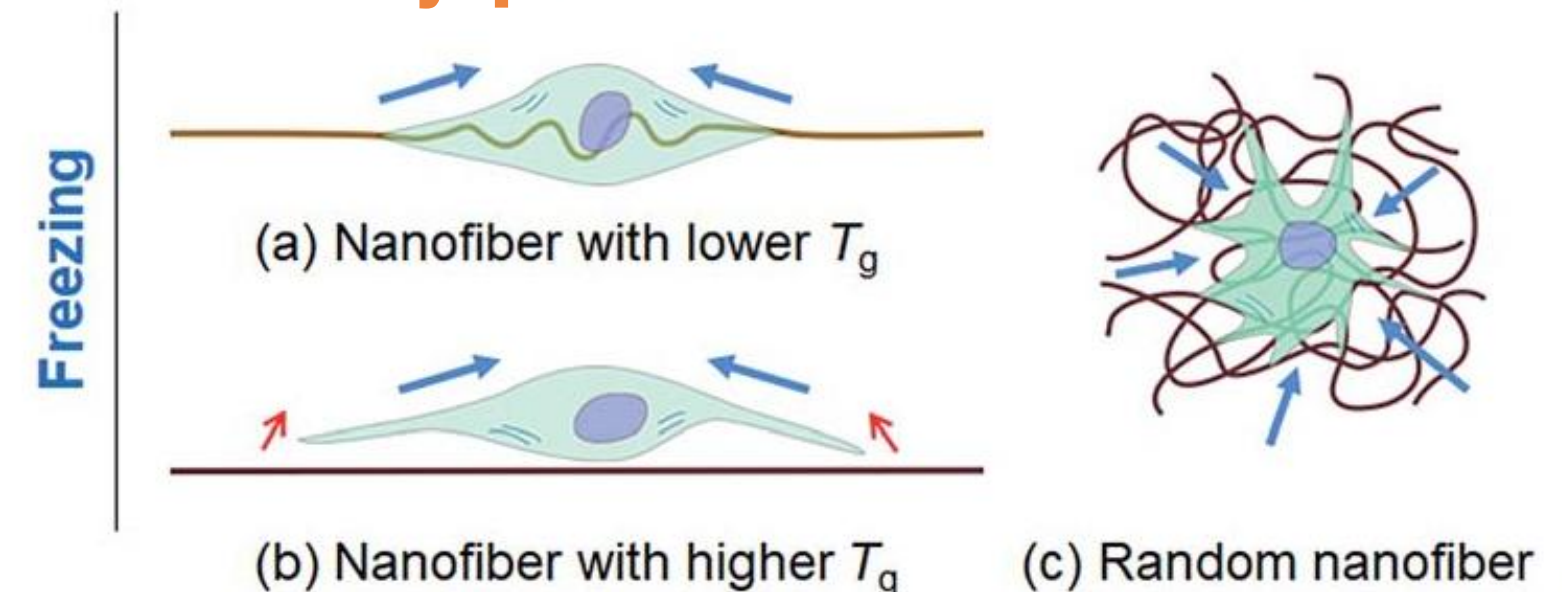
Hydrogel Fibers



Layered Culture Scaffold



Direct Cryopreservation of adherent cells



SELECTED PUBLICATIONS

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Native collagen hydrogel nanofibers with anisotropic structure using core-shell electrospinning. Y. Wakuda, S. Nishimoto, S. Suye, S. Fujita, *Sci. Rep.* (2018).

Direct cryopreservation of adherent cells on an elastic nanofiber sheet featuring a low glass-transition temperature, O. Batnyam, S. Suye, S. Fujita, *RSC Adv.* (2017).

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