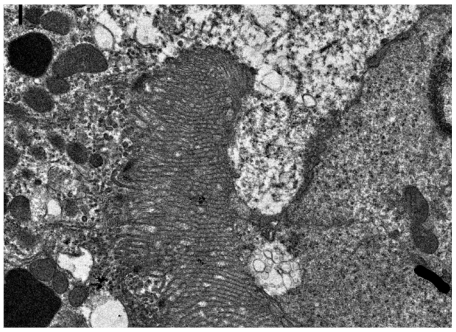
ThINC

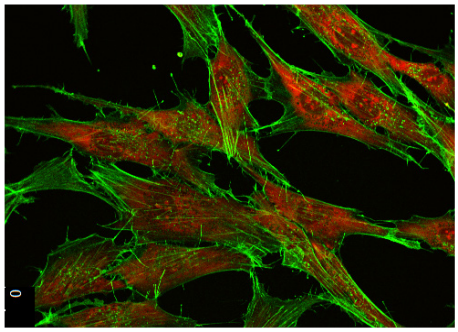
THERMOMECHANICAL & IMAGING NANOSCALE CHARACTERIZATION

AT STONY BROOK UNIVERSITY

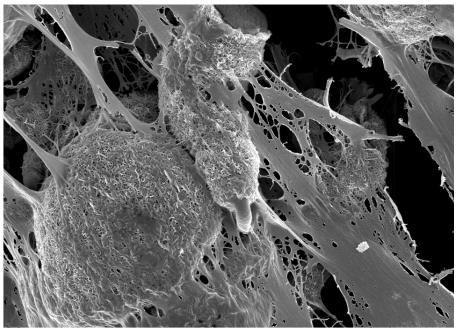
Thermomechanical & Imaging Nanoscale Characterization (ThINC) is a comprehensive core facility at the Advanced Energy Research and Technology Center at Stony Brook University. ThINC provides multiscale imaging, thermo-mechanical characterization, and sample preparation services for industry and academic users in pharmaceuticals, materials design & manufacturing, medical devices, agtech and life sciences. ThINC acts as a bridge for collaboration with innovation and research facilities in the New York metropolitan region – providing a doorway to advanced nanotechnology tools and cutting-edge materials researchers around the world.



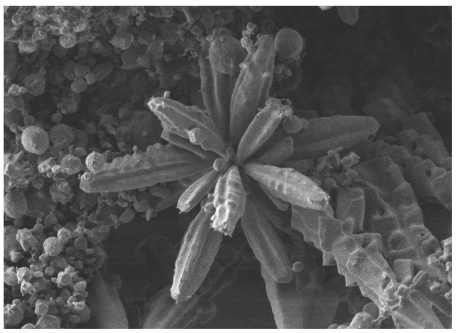
Cryo Sample Preparation

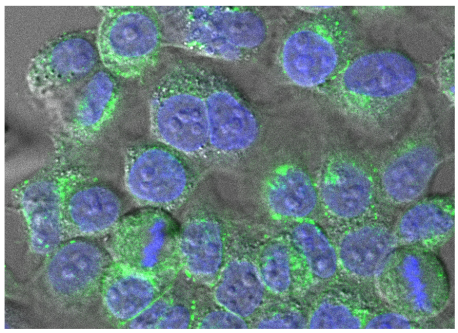


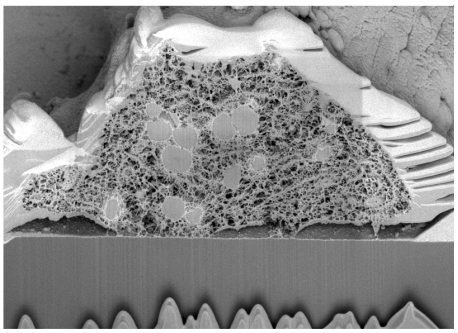
Immuno-Labeling Enabled Imaging



Multi-Scale imaging (EM & AFM)







For more information, contact:
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Sample Preparation Suite

1. FEI Virtobot Freeze Plunger **2.** EMS 775 Turbo Freeze Drier **3.** Lecia EM ACE600 High Vacuum Coaster Freeze Fracture/Etching **4.** Leica EM UC7/FC7 Microtome

Multi-Scale Imaging

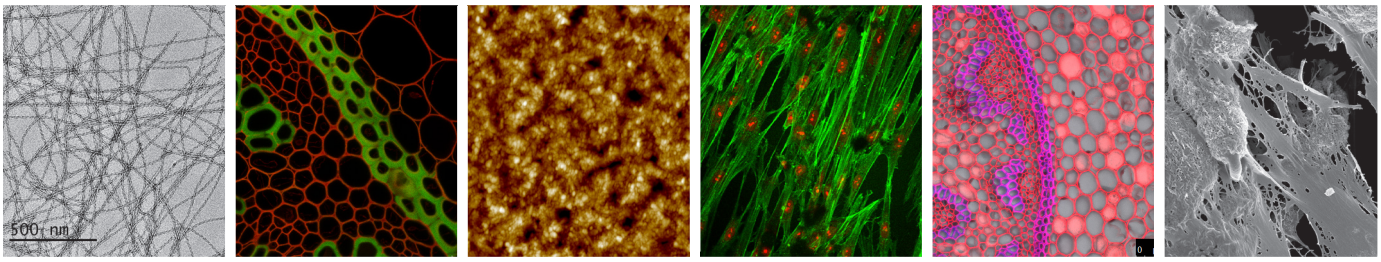
5. Leica TCS SP8X Upright Confocal Microscope
6. Brucker Dimension ICON AFM **7.** JEOL 1400 TEM
8. ZEISS Crossbeam 340 FIB-SEM

Multi-Scale Imgaging • **Thermal Mechanical Analysis** • **Bridge to Other Facilities**

ThINC: One stop shop for your materials testing and characterization needs

- See, analyze and iterate your products and samples
- Access cutting edge tools and experienced staff
- Bridge to innovation and research user facilities and labs in New York metropolitan region
- Utilize expert data collection to maximize information at cryo and room temperature conditions
- Obtain holistic solutions to lead your business and research to new avenues

Minimize the damage, maximize the information



Schedule a session today!

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