

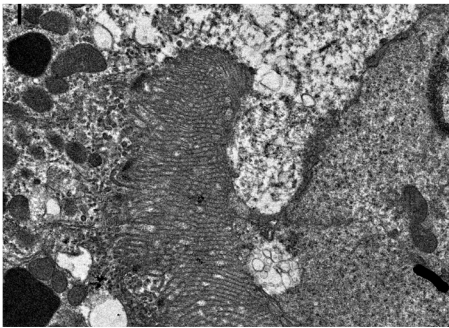


ThINC

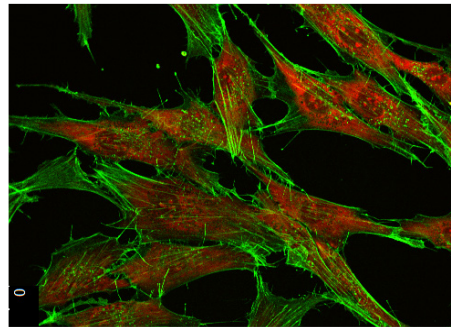
**THERMOMECHANICAL & IMAGING
NANOSCALE CHARACTERIZATION**

AT STONY BROOK UNIVERSITY

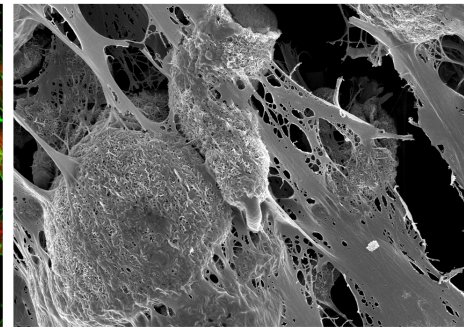
ThINC (Thermomechanical & Imaging Nanoscale Characterization) is a comprehensive core user facility equipped with (Cryo)-Electron Microscopes, (Cryo)-Ultra Microtome and Immunolabeling Enabled Confocal Microscopy. Located at the Advanced Energy Research and Technology Center (AERTC) at Stony Brook University, ThINC provides easy access to biological sample preparation, multiscale imaging and materials characterization, to move forward your life science, soft materials and medicine research.



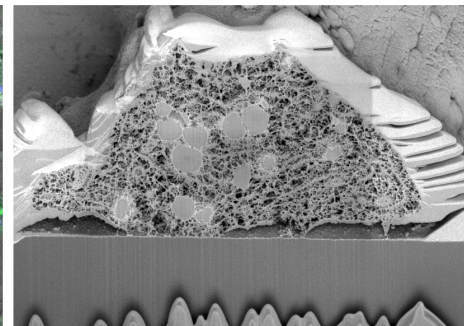
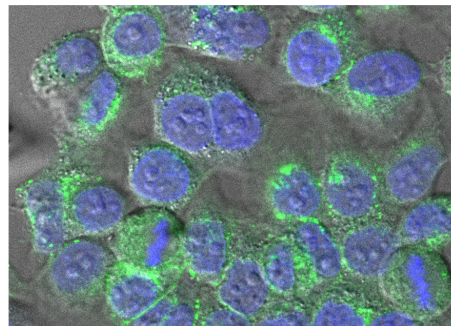
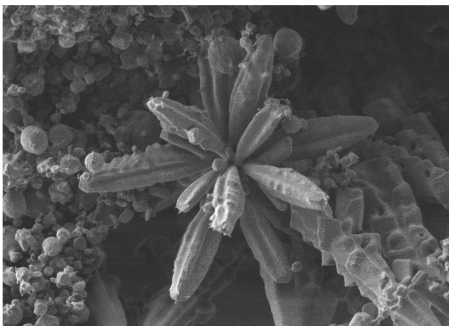
Cryo Sample
Preparation



Immuno-Labeling
Enabled Imaging

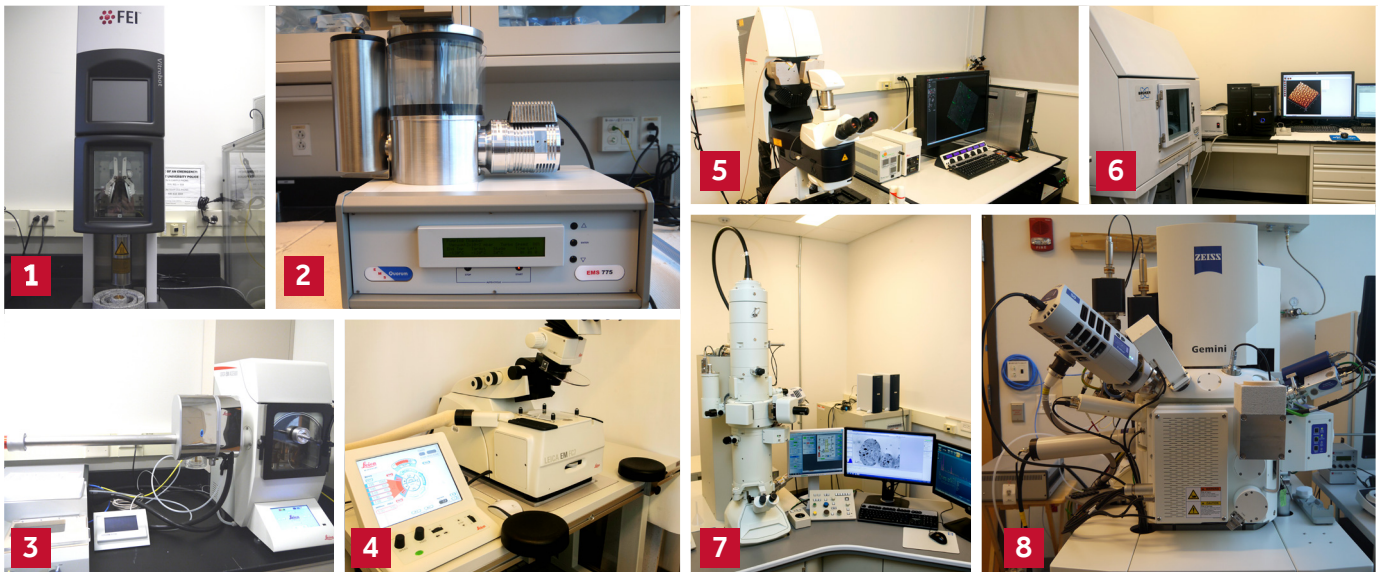


Multi-Scale imaging
(EM & AFM)



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

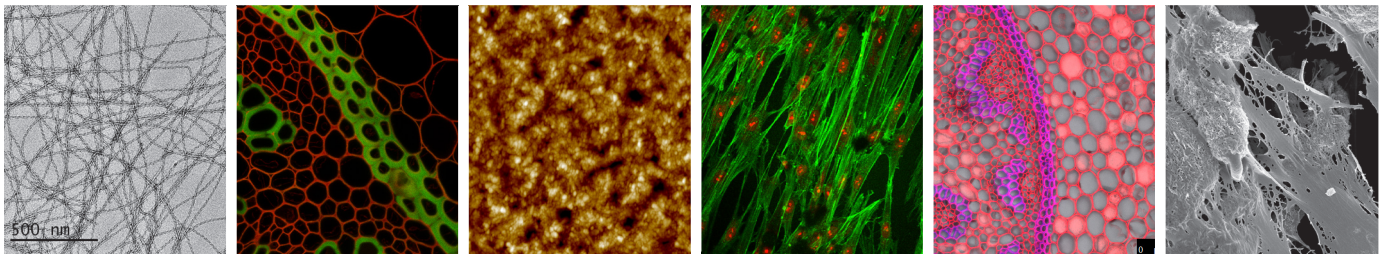
5. Leica TCS SP8X Upright Confocal Microscope **6.** Bruker Dimension ICON AFM **7.** JEOL 1400 TEM **8.** ZEISS Crossbeam 340 FIB-SEM

Resin Embedding • Cryo-Transfer Holder • Cryo TEM and SEM • Immuno-Label Imaging

ThINC: One stop shop for your cell and soft materials characterization needs

- Equipped with resin embedding and cryo sample preparation for tissue fixation for EM
- Obtain high resolution cryo and room temperature EM images
- Acquire precise topographical information using tapping & other non-destructive mode Atomic Force Microscopy
- Investigate cell-substrate interactions with Immuno-label enabled fluorescent confocal imaging

Minimize the damage, maximize the information



Schedule a session today!



ThINC
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