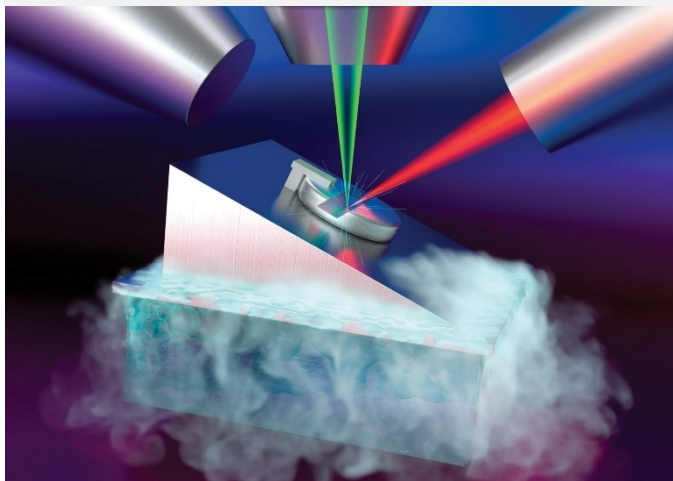


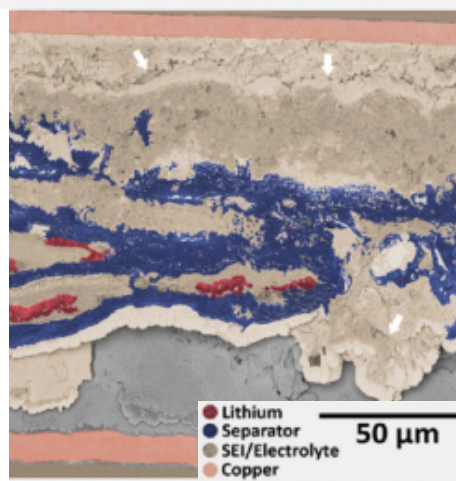
# FA1: Cryo Electron Microscopy for Buried Interface Characterization

~~Daniel Long, Center for Int. Nanotechnologies, Sandia Nat'l Labs~~

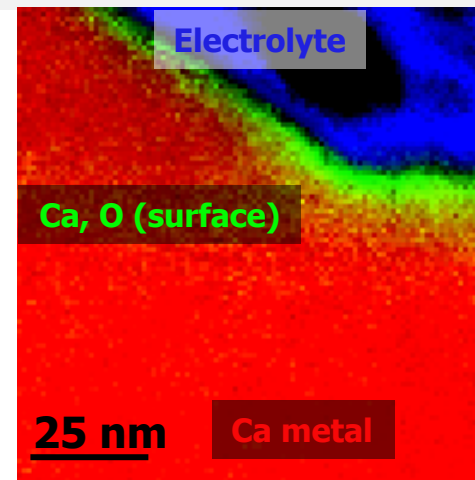
## Project Overview



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Manuscript In Preparation

## Teaming Overview and Objectives

- Our facilities
  - Dedicated cryo preparation lab
  - 2 Cryo-capable FIBs, 2 FEI titans with cryo-TEM holders
    - Standard FIB/SEM analysis
    - Low dose imaging, nanoscale chemical mapping, 4D STEM
- Looking for modeling & synthesis

## Impact

- Characterize Previously Inaccessible Materials & Interfaces with low beam damage
- Image, diffraction(strain), chemistry of buried interfaces, sensitive mat'ls
- Provide valuable native nano-to-macro scale structure and chemistry information