

THE JOHN LAWRENCE SEMINARS



"CT SCANS OF SINGLE CELLS"

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BERKELEY LAB

Soft X-ray tomography reveals cellular structures based on the unique organic composition of each structure and, because of the short wavelengths of light used for imaging, achieves nano-scale spatial resolution. The penetration ability of these X-rays also enables tomographic imaging of cells in a near-native state to visualize the entire intact cell rather than just a few thin sections. To localize molecules we incorporate information from different contrast mechanisms, combining fluorescence and x-ray imaging to place molecular information on top of structural information.

TUES., OCT. 20TH
4:00 P.M.

717 POTTER STREET
ROOM 141
BERKELEY LAB

HOST:
JOHN TAINER

Schedule of Seminars: lsd.lbl.gov/News_&_Events/seminars.html
Non-LBNL attendees: please RSVP to FGuagliardo@lbl.gov or 510-486-6490