

**Frontiers in Biological Sciences
Seminar Series Presents**

**New Tools for Biological Imaging: Correlated
Cryo Fluorescence Microscopy and Soft X-ray
Tomography**



Speaker: Dr. Carolyn Larabell

Professor, Dept of Anatomy,
UC-San Francisco;
Faculty Scientist, Physical Biosciences
Division, Lawrence Berkeley National
Laboratory; and Director of the National
Center for X-ray Tomography

Date: Monday, April 19, 2010

Time: 12:00 to 1:00 p.m.

Place: EMSL Auditorium

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Dr. Larabell's lab is at the forefront of developing soft x-ray tomography as a new tool for visualizing the location of proteins in cells and for imaging sub-cellular architecture with a spatial resolution of 40 nanometers or better. This new imaging technique combines many of the advantages of both light and electron microscopies, with characteristics unique to x-ray imaging. Her lab has designed and built the world's first soft x-ray microscope for biomedical imaging at the Advanced Light Source at Lawrence Berkeley National Laboratory.



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