

THE JOHN LAWRENCE SEMINARS



"MOVE OVER, MICE: HOW THE FUSION OF SYSTEMS BIOLOGY WITH ORGANS-ON-CHIPS MAY HUMANIZE DRUG DEVELOPMENT"

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"Mice are not little people"—a refrain becoming louder in the drug development community, as the strengths and weaknesses of rodent models of human disease become more apparent. At the same time, three emerging approaches are headed toward integration: powerful systems biology analysis of cell signaling networks on patient samples; 3D tissue engineered models of human organ systems, often made from stem cells; and microfluidic devices that enable living systems to be sustained and used for models like cancer metastasis. This talk will highlight the integration of these rapidly moving fields to understand difficult clinical problems, including cancer metastasis and women's reproductive health.

TUES., APRIL 26TH
4:00 P.M.

717 POTTER STREET
ROOM 141
BERKELEY LAB

HOST:
MARK LABARGE

Schedule of Seminars: <http://johnlawrenceseminars.lbl.gov>
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