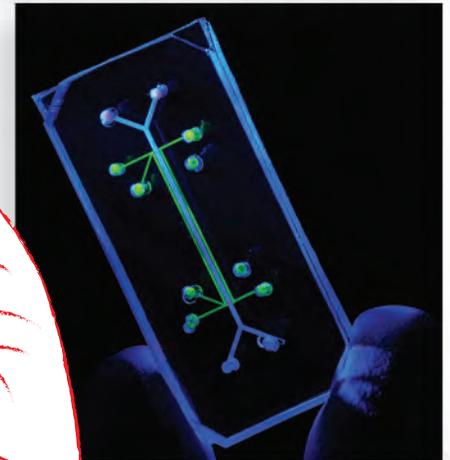
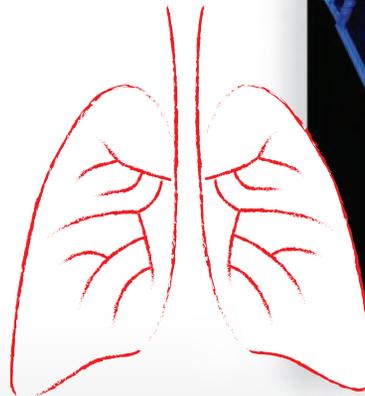
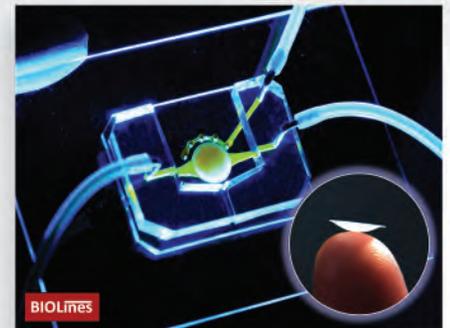
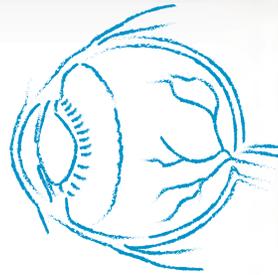


Microengineered physiological biomimicry: **HUMAN ORGANS-ON-CHIPS**



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Human organs are complex living systems in which specialized cells and tissues are assembled in various patterns to carry out integrated functions essential to the survival of the entire organism. A paucity of predictive models that recapitulate the complexity of human organs and physiological systems poses major technical challenges in virtually all areas of life science and technology. This talk will present interdisciplinary research efforts to develop microengineered biomimetic models that reconstitute complex structure, dynamic microenvironment, and physiological function of living human organs, including the eye.



Microbial Sciences Building

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Reception - 3:30 PM Ebling Foyer

Lecture - 4:30 PM RM 1220

Monday, May 21, 2018