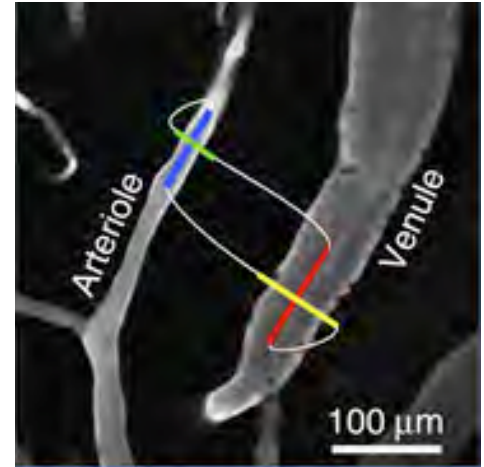
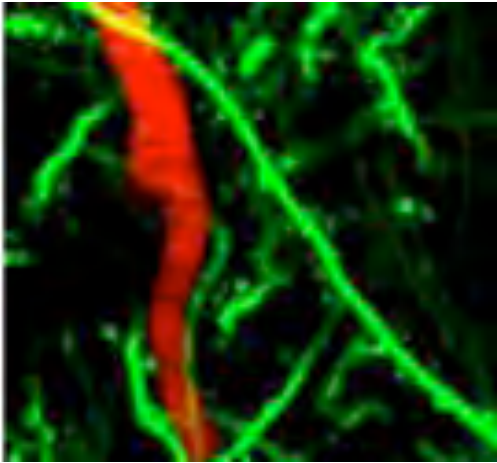




Neuroengineering Seminar

The smallest stroke revealed through behavior and *in vivo* optical imaging and manipulation



David Kleinfeld

Departments of Physics and Neurobiology, UCSD

<http://physics.ucsd.edu/neurophysics/>

Monday, May 14, 2012

4:00-5:00pm

Fung Auditorium, Powell-Focht Bioengineering Building
University of California San Diego

Kleinfeld's group studies issues in systems neuroscience, with a focus on perception and sensorimotor control in the vibrissa system as well as on the topology, geometry and neuronal coupling of cortical vasculature. He will speak on the latter topic, with a focus on the application of nonlinear optical imaging and ablation techniques to determine the nature of cortical blood flow. This work revealed points of robustness versus weakness in the vascular architecture that relate to biofluid mechanics, microinfarcts and their potential role in dementia, and neurovascular control.

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