

Engineering Neuroscience & Health

Department of Biomedical Engineering

Division of Biokinesiology and Physical Therapy



ENH SEMINAR SERIES



Presents:

Dr. John Krakauer

Columbia University

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Monday

March 9, 2009

4:00 p.m.

Refreshments will be served 3–4 pm

“Some new thoughts about stroke recovery”

John Krakauer, PhD, Associate Professor of Neurology
Columbia University of Physicians and Surgeons
Lab Co-Director

Data will be discussed that suggest that recovery from motor impairment after stroke is predictable in most patients within one week of stroke. This recovery seems to be proportional to the initial degree of impairment. This predictability suggests that current rehabilitation may not have an impact on impairment over and above spontaneous biological recovery. A subset of patients with severe impairment do not show proportional recovery. Functional imaging data will be shown that suggests that it may be possible to identify this subset of patients.

BioSketch

Education:

B.A., Trinity College, Cambridge University, England (Natural Sciences)
M.D., Columbia University, College of Physicians and Surgeons

Research Interests:

Brain mechanisms responsible for control of limb movements, specifically visuomotor coordination, and motor learning.

1. Effects of stroke on visuomotor coordination and motor learning.
2. Brain mechanisms for recovery of motor function after stroke.

Clinical Interests:

Stroke, including ischemic cerebrovascular disease, subarachnoid and intracerebral hemorrhage, arteriovenous malformation, cerebral vasculitis, cerebral aneurysm, venous sinus thrombosis.

Locations:

Seminar is simultaneously presented

HSC: CHP 147— LIVE

Center for the Health Professional

HSC Campus Map/Directions:
<http://www.usc.edu/about/visit/hsc/>

UPC: HNB 100 – Video Conference

Hedco Neurosciences Building

UPC Campus Map/Directions:
<http://www.usc.edu/about/visit/upc/>

Organized by Professor Francisco Valero-Cuevas <http://bme.usc.edu/valero/>

Web Cast

<http://capture.usc.edu/college/Catalog/?cid=af180d48-ceff-42b9-a35c-eb199daed320>

Information about all seminars can be found at
<http://www.clmc.usc.edu/~heiko/ENH>