

**M** College of Veterinary Medicine Comparative Neurology Program  
and the Department of Molecular Microbiology and Immunology

Present

# Using electrical impedance techniques to assess neuromuscular disease

3:30 p.m.

Dec. 5, 2013

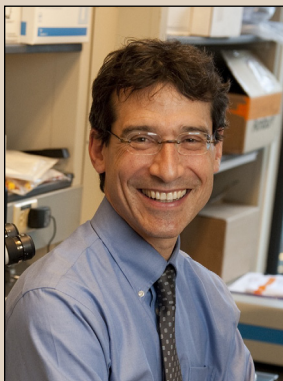
Veterinary Medicine Building Auditorium



## Dr. Seward Rutkove

Professor of Neurology, Harvard Medical School  
Chief of the Division of Neuromuscular Disease, Department of Neurology  
Beth Israel Deaconess Medical Center

Dr. Seward Rutkove received his medical degree from Columbia University's College of Physicians and Surgeons and his bachelor's degree from Cornell University, College of Arts and Sciences.



Rutkove's research focuses on the application of innovative techniques for the assessment of neuromuscular disease with an emphasis on electrical impedance and ultrasound methodologies. This work has been supported by numerous grants from the National Institutes of Health and multiple foundations, and has resulted in more than 100 peer-reviewed publications. He is an associate editor for *Annals of Neurology*.

Rutkove is a co-founder of Skulpt Inc., a company commercializing muscle impedance tools for clinical care and consumer use, in which he serves as head of the scientific advisory board. In 2011, he was awarded the \$1,000,000 Biomarker Challenge Prize for his work demonstrating that electrical impedance measurements could serve as a novel approach for speeding clinical studies of drug efficacy in amyotrophic lateral sclerosis.

This lecture is sponsored by Dr. Dongsheng Duan of the Department of Molecular Microbiology and Immunology and Dr. Joan Coates of the Comparative Neurology Program, which is dedicated to the study of developmental and degenerative diseases of the nervous system in companion animals. The College of Veterinary Medicine is offering one continuing education credit recognized by the Missouri Veterinary Medical Board for attendance at this seminar.