



Neurology Grand Rounds

“EPILEPSY, BEHAVIOR, CIRCUITS AND DENDRITIC SPINES”

Learning Objectives:

1. Understand principles of dendritic spine pruning.
2. Evaluate how spine shape may change synaptic strength.
3. Discuss how changes in spine shape and density affect other neurological processes such as Parkinsonism and psychiatric disorders.



Dr. Jonathan Bekenstein, M.D., Ph.D. studied English and Neuroscience at Amherst College. He was a summer student for 2 years at the NIH in Nobel Laureate Marshall Nirenberg’s laboratory. At the NIH he studied retinal synapse development using monoclonal antibodies. He then entered the Medical Scientist Training Program at the University of Virginia, where he received his M.D. and Ph.D. degrees. He studied brain and neurotransmitter system development, and epilepsy models and pharmacology in the laboratory of Eric Lothman, M.D., Ph.D. He also did a post-doctoral fellowship in cellular electrophysiology and neuropharmacology with Dr. Lothman and spent time at the University of Washington in Seattle with Philip Schwartzkroin and JoAnn Franck learning to record in human brain tissue surgically removed from patients with epilepsy.

He completed his residency training in Neurology at the University of North Carolina at Chapel Hill and then did a 2 year EEG/Clinical Neurophysiology fellowship at UNC-CH before joining the faculty there. He came to VCU Medical Center in 2001. He is Medical Director and Co-Chair of the VCU Health Organ Donation Committee. He is also a member of the VCU Rams That Ride Cycling team.



FRIDAY, February 26, 2021 ■ 12PM

Zoom: <https://vcuhealth.zoom.us/j/91606378175?pwd=RXFYbXdQcW5ZZ3ZJUFlwajZsNFpIZz09>



JOINTLY ACCREDITED PROVIDER™
INTERPROFESSIONAL CONTINUING EDUCATION

In support of improving patient care, VCU Health is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Credit Designation: VCU Health Continuing Medical Education of Virginia Commonwealth University Health System designates this live activity for a maximum of **1.00 AMA PRA Category 1 Credit(s)™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Disclosure of Financial Relationships:

The following planners, moderators or speakers have the following financial relationship(s) with commercial interests to disclose: Nothing to disclose