

Monday, October 26, 2009

12:00 noon

Blue Bird Auditorium, NB-137, Neurosensory Center

## The Functional organization of Axons in Health and Disease

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**Objectives – At the end of this lecture, participants should be able to:**

- understand that axons are organized into discrete functional domains,
- understand the mechanisms responsible for assembling these functional domains and
- understand the consequences of nervous system injury/disease for these domains.

**References:**

- K Hedstrom, Y Ogawa, and **MN Rasband**. AnkyrinG is required for maintenance of the axon initial segment and neuronal polarity. *Journal of Cell Biology* 183:635-640 (2008).
- K Susuki, and **MN Rasband**. Molecular mechanisms of node of Ranvier formation. *Current Opinion in Cell Biology* 20:616-623 (2008).

**Target Audience, Needs, Educational Methods, Activity Evaluation:**

Physicians, residents, fellows, and other healthcare professionals need to be updated about new advances in the clinical and research areas for the diagnosis, treatment, and management of patients with neurological disorders. Educational methods will include lectures, case presentations, audio/video presentations, and questions & answer sessions. Participants will be asked to complete an activity evaluation.

**Accreditation/Credit Designation**

Baylor College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. Physicians should only claim credit commensurate with the extent of their participation in the activity.