BCM Baylor College of Medicine
Department of Neurology

Neurology Grand Rounds

Sponsored by Baylor College of Medicine

Monday, July 21, 2008
12:00 noon
Blue Bird Auditorium, NB-137, Neurosensory Center

Dysregulation and therapeutic modification of the epigenome in brain disorders

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Objectives: At the end of this presentation, participants should be able to:

- Discuss basic mechanisms of epigenetic regulation and dysregulation
- Demonstrate knowledge of the major classes of epigenetic disorders affecting brain function
- Recognize the role of epigenetic modification therapies in human disease
- Understand current research data on the relation between environmental factors and the epigenetic regulation of neuronal gene expression

References:

1. Jiang YH, Bressler J, Beaudet AL. Epigenetics and human disease. Annu Rev Genomics Hum Genet. 2004;5:479-510.
2. Abel T, Zukin RS. Epigenetic targets of HDAC inhibition in neurodegenerative and psychiatric disorders. Curr Opin Pharmacol. 2008 Feb;8(1):57-64.
3. Tsankova N, Renthal W, Kumar A, Nestler EJ. Epigenetic regulation in psychiatric disorders. Nat Rev Neurosci. 2007 May;8(5):355-67.
4. Jirtle RL, Skinner MK. Environmental epigenomics and disease susceptibility. Nat Rev Genet. 2007 Apr;8(4):253-62.

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.