# JOHNS HOPKINS
BIOMEDICAL ENGINEERING

**Monday October 6, 1:00PM, Ross G007 (Darner Conference Room)**
Light lunch will be provided at noon

# Encoding task performance, rules, and objectives in auditory and prefrontal cortex


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Host: Eric D. Young, PhD.


**Abstract:** I shall review the role of behavior and attention in inducing rapid plasticity in auditory cortical receptive fields and changes of responses in the prefrontal cortex. These effects reflect task performance, task rules (e.g., auditory detection and discrimination tasks), and type of feedback (positive or aversive). I shall also discuss the potential sources of these influences, and describe preliminary results on the effects of electrical stimulation in prefrontal cortex on the receptive fields in AI..


Upcoming seminars: October 13, Dr. David Yue
October 27, Dr. Atam Dhawan
Also visit: **http://www.bme.jhu.edu**

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