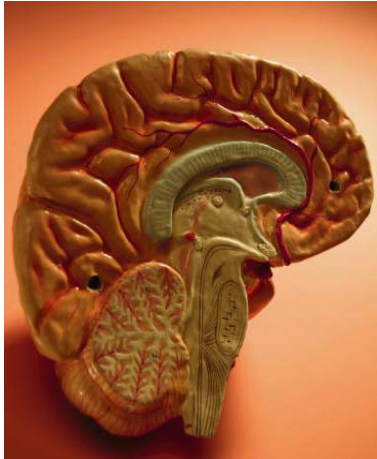


Lectures on Affective Sciences **The synchronized brain in emotional processing**

Didier Grandjean, Ph.D., University of Geneva, Switzerland



Wednesday, November 12, 2014

11:00 A.M. - 12:30 P.M.

University of Houston

**267 Health and Biomedical
Sciences Building (HBSB)**



Emotion recognition in face, body, gesture, and voice is crucial in social contexts. The brain regions subserving the processing of emotional prosody have been investigated using functional magnetic resonance imaging (fMRI) and electroencephalography (EEG), but few studies researched direct electrical neuronal activity using intracranial recordings. Using local field potentials (LFPs) recordings in humans, Dr Grandjean investigated whether anatomical connections between the amygdala and the orbito-frontal cortex underlie the functional integration of attended and unattended processing of emotional voices. The results highlight the functional selectivity of different frequency bands within these two brain areas in response to attended or unattended emotional stimuli.