

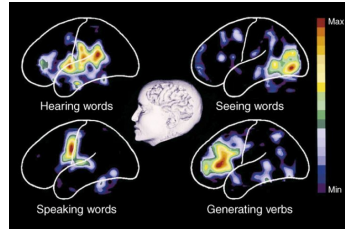
Abstract

Functional magnetic resonance imaging (fMRI) -presentation of a brain mapping technique-

Functional magnetic resonance imaging (fMRI) is an important technique to acquire brain activation maps. These maps, although fascinating, have very often just a limited meaning and a critical interpretation is necessary. This talk intends to provide basic information of fMRI and wants to arouse curiosity. A focus will be the physical and biophysical principles of fMRI. Especially the role of physicists in the interdisciplinary field of neuroscience will be pointed out.



from: www.frtcm.org



from: M. Raichle, Trends Neuroscience **32**(2), 2009