Pr. Joseph Antony Movshon, Professor at NYU, Director of the Visual Neuroscience Laboratory, Center for Neural Science, New York University

« Cortical and perceptual processing of visual form »

http://www.cns.nyu.edu/corefaculty/Movshon.php

I am interested in how the brain encodes and decodes visual information, and in the mechanisms that put that information to use in the control of behavior. My research concerns the function and development of the primate visual system, especially the visual areas of the cerebral cortex. My laboratory supports work on neurophysiology, neuroanatomy, psychophysics, and imaging; the main experimental tool is electrophysiological recording from single neurons in monkeys. We stress analytical and quantitative approaches to the study of visual receptive fields. Conceptually, much of this research draws on related work in visual psychophysics, and on computational approaches to understanding brain organization and visual processing.

Invitant: Yves Frégnac, Unité de Neuroscience, Information et Complexité (UNIC) fregnac@unic.cnrs-gif.fr