

Seminar lecture in the framework of International doctoral school in Science

Giada BIANCHETTI (Indian Institute of Technology, Kharagpur)
will deliver a lecture entitled:

Characterization of retinal ganglion cells firing patterns evoked by optical and electrical stimulation.

Chairperson: Ph.D student Paolo FRANCESCHINI

ABSTRACT: Although outer retinal diseases cause a progressive damage of photoreceptors, artificial stimulation can be exploited as an attempt to restore vision by exciting surviving retinal cells. The development of effective prosthesis requires the characterization of retinal ganglion cells (RGC) response to the external stimulus. In this study, we investigate a method of RGC excitation through light pulses, for generating and, further, characterizing precise temporal patterns of spikes reproducing those normally evoked in healthy vision.

Seminario

Martedì 17 luglio 2018
Sala Riunioni, ore 14.00
Via dei Musei 41 - Brescia

International Doctoral Program in
Science@Università Cattolica del Sacro Cuore
Corso di Dottorato in Ingegneria Meccanica e
Industriale@Università degli Studi di Brescia

I-LAMP
Interdisciplinary Laboratories
for Advanced Materials Physics



**UNIVERSITÀ
CATTOLICA**
del Sacro Cuore