Mercoledì 12 luglio 2017 alle ore 15 presso l’aula G

la dott.ssa Camilla Parmeggiani

European laboratory for non-linear spectroscopy
LENS - Sesto Fiorentino

terrà il seminario dal titolo:

**From microrobots to cell harvesting: the case of liquid crystalline elastomers**

Combination between the properties of polymeric elastomers and liquid crystalline orientations makes LCEs good candidates for different applications ranging from microrobotics to photonics. Important challenges lie in the miniaturization of functional structures and Direct Laser Writing (DLW) has been recently used by us to fabricate microrobotics elements entirely powered by light. Once their biocompatibility is demonstrated, also their use in biology and medicine can be envisioned. Preliminary results in this regard were obtained by seeding murine muscle cells (C2C12) and Human Dermal Fibroblasts (HDF) and demonstrating complete adhesion on bare films for both cell lines.

*La presenza della S. V. sarà molto gradita*

Il Direttore del Dipartimento
Michele Maggini