

**Project "ELI - LASERLAB Europe Synergy, HiPER & IPERION-CH.gr"
HELLAS-CH (MIS 5002735)**

The project is implemented under the Action "Reinforcement of the Research and Innovation Infrastructure", funded by the Operational Programme "Competitiveness, Entrepreneurship and Innovation" (NSRF 2014-2020) and co-financed by Greece and the European Union (European Regional Development Fund).

The research infrastructures HiPER, ELI and LASERLAB Europe and IPERION-CH.gr, now united as (HELLAS-CH), are an interdisciplinary National Research Infrastructure (NRI) that will allow access to advanced technological experimental infrastructures supporting research in the area of Laser and its applications. The Research Infrastructure HELLAS-CH is hosted at FORTH, at the Institute of Electronic Structure and Laser, with Dr Dimitrios Charalambides as the head of this scientific project. The consortium is of particular interest for biomedical applications of the use of this radiation.

The participation of the Hellenic Pasteur Institute (HPI) concerns (a) the exploration and development of applications of the above NRI, in the field of biomedical research. The Inflammation Research Laboratory and the Department of Animal Biomedical Research of HPI will use the infrastructure of the School of Applied Sciences of the Electronics Department of the Technological Educational Institute of Crete, a member of the consortium to study biomarkers of inflammation under the influence of laser radiation used for therapeutic purposes in biological material, and (b) contributing to the development of the Operation Regulation of the NRI, its organizational structure and user access planning, which are the deliverables of the project.



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