

ITALY DAY

ABSTRACT TABLE OF PROJECT PROPOSAL

PROJECT Nr. 6

SECTOR:	Biomedicine and Biotechnology, Drug Development, Cosmetics, Pre-Clinical Research
PROJECT IDEA IN A HEADLINE:	A scientific environment conducive for an accelerated transfer of innovation from laboratory to industry.
INNOVATIVE POINTS:	Concentrate in a single location a few research groups leader in selected biomedical and biotech fields. This generates a synergistic effort that allows to exploit in an integrated fashion all the equipment and expertises of the various research units.
POTENTIAL BUSINESSES AND APPLICATION FIELDS:	Biomedical, biotechnology, pharmacology, cosmetics and clinical research business are potentially interested.
CHARACTERISTICS OF POTENTIAL PARTNERS:	The potential partner must have a genuine interest for innovation, creative business and exploration of novel application of biotechnology.
EU PROGRAMMES TO PARTECIPATE:	We currently participate, or are planning to participate, to ERA-NET Neuron Programme, to the last call of the 7 th Framework Programme and will apply to Horizon 2020.
BRIEF PROJECT DESCRIPTION:	<p>Our integrated research facility mainly focuses on the study of inflammation, and design and development of anti-inflammatory drugs. Chief current research topic is the inflammasome. To this aim, our laboratories are equipped with</p> <ol style="list-style-type: none">1) ADVANCED MICROSCOPY FACILITY, that offers a collection of state of the art of digital, confocal electron microscopy and in vivo bioluminescent imaging systems and highly specialised staff to provide support in-house scientists and visitors in the use of all kinds of microscopy methods for their research.2) MICROARRAY AND BIOINFORMATIC SERVICES, for gene expression analyses (mRNAs, microRNAs, ultraconserved regions) based on Agilent microarray platforms. The Microarray Facility is classified by Agilent Technologies as a Certified Service Provider. We offer free pre-experimental consultation to ensure your study to be solid, scientifically worthwhile and as economical as possible.

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- 3) MOLECULAR INTERACTIONS, BIOMARKERS AND DELIVERY service that provides a huge range of services relating to molecular biology.
- 4) 4) BIOBANK that offers its experience in isolation, purification and propagation ex vivo of primary cells from human samples of various organs and/or tissues. Cell populations can be characterized in terms of morphology, functionality, and phenotype and cryo-preserved in nitrogen vapors for long periods in order to save samples for future pre-clinical studies.