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> Labs of Environmental Hygiene Dep. Molecular and Developmental Medicine

What we do



# Microbiology Photonics Prototyping



















Public Hygiene Physics-Chemistry Fluid Dynamics Electronics Mechanics Material Science Engineering

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**Production** 

## **Development**



# of bioengineered innovative products applied to public health



**Health Sector** 

#### Health and personal care

#### Hygiene

Where we are

# Labs of the Dept. Molecular and Developmental Medicine









- Serological analysis for clinical trials, microbiological diagnosis, epidemiological analysis, chemical environmental microbiology;
- Design and provision of sampling services, analysis and research activities in the environmental, chemical, agri-food, bi-medical and work environment sectors.

#### Approach to the problem

# Research, development and technology transfer





Engineering



### **Development of a UV system**



Simulation modeling

## **Computer Aided Design Fluent and Radiant Analysis**

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#### Microbiological modelling

## **Dose-abatement curves**







