



The main entrance of the Istituto Superiore di Sanità (ISS) is located in Viale Regina Elena, 299, Rome, in front of the "Città Universitaria".

**How to get to the Institute:**

- Airport "Leonardo da Vinci" (Fiumicino)  
The airport is connected to Termini railway station by trains every 30 minutes and to the Tiburtina railway station by trains every 45 minutes.
- Airport "G.B. Pastine" (Ciampino)  
A subway connects the railway station Ciampino with Termini railway station every 12 minutes.
- Termini railway station  
You can take either bus: 492, 310

[www.inlivetox.eu](http://www.inlivetox.eu)

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**In LiveTox workshop**  
a practical training course on integrated fluidic models for in-vitro testing

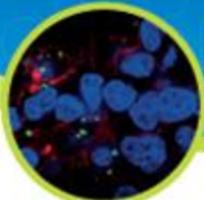
17-18  
September 2012

**Location**  
Istituto Superiore di Sanità (ISS), viale Regina Elena 299, Rome.



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## Improving our capacity to mimic physiology

The establishment of new in-vitro models requires an evolution of technology in order to allow researchers to implement new and physiologically relevant situations. The word “relevant” refers to the correspondence between in-vitro models and human physiology. To this end, a modular fluidics system was developed in InLiveTox to model the response of cells and tissues to ingested nanomaterials. The system is more convenient and ethically less questionable than animal testing as well as more relevant than the in-vitro single cell culture /co-culture models currently being used..

## Summary

This workshop has the goal of presenting the InLiveTox concept and fluidic systems to researchers involved in toxicity testing, barrier models and with a strong interest in refining in-vitro test systems as a means of reducing animal tests. These attractive and low cost devices will allow researchers to surpass the problems related to simulation of a physiological tissue in-vitro, in order to obtain a relevant model of an organ or multi organ system.



During the workshop different bioreactors will be proposed

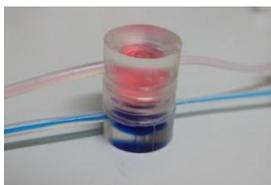
- Quasi-Vivo or ILT0: training course on multi organ culture. Participants will learn how to design and assemble a multi organ experiment using modular bioreactors



- ILT2: an example of a TEER integrated barrier model developed in InLiveTox will be demonstrated



- MCmB: demonstration of a transparent air-air and air-liquid bioreactor. Participants will be taught how to handle membrane cultures using dual flow modules



## Rates

125€ per person

CellTox will sponsor 2 student members

Specials rates for students of **ECM Course on Innovative Strategies and Alternative Methods to Animal Experiments\*\***

\*\* email : [thealternatives.eu@gmail.com](mailto:thealternatives.eu@gmail.com) or call (+39) 328 209 3699 for info on ECM course

**Contact for information and registration (max 25 participants)**  
[ILT.info@centropiaggio.unipi.it](mailto:ILT.info@centropiaggio.unipi.it)

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