

# VIR<sup>LAB</sup>

A collaborative space for science  
**[www.virolab.org](http://www.virolab.org)**  
Virtual Laboratory for HIV Diseases



## The mission

**ViroLab** was designed to provide researchers and medical doctors in Europe a **virtual laboratory** for examining diseases. In future years, genetic information is expected to become increasingly significant in many areas of medicine. Virolab utilizes opportunity to advance the understanding of the role of genetic factors in human health and diseases. Its aim is to apply this insight rapidly to the prevention, diagnosis, and treatment of diseases. As a prototype for this virtual laboratory, the problem of **HIV drug resistance** was chosen.

## Features

- Virtual laboratory - system infrastructure for transparent workflow, data access, experiment execution, and collaboration.
- Virtual organisation - provides the 'glue' for binding the involved components and parties of the virtual laboratory.
- Virtualised genotypic resistance interpretation - state-of-the-art tools integrated with the virtual laboratory.
- Virological and immunological quantitative prediction - mechanisms that validate predicted virological and immunological outcome.

## Project partners

