

## **Immunogenomics Unit**

The Immunogenomics Unit began to take shape in 2007, funded by a development project of the PN2 National Research Programme and became fully operational in 2010. As an associated Unit with the Immunopathology Laboratory and the Bank for Tumour Cells and Nucleic Acids, it was initially designed to be involved in the advanced studies in oncology, internal medicine, paediatrics, rheumatology, transplantology etc. The unit will perform gene analysis (genotyping, gene expression, mutations, sequencing) and evaluation of soluble and cellular markers (tumour antigens, receptors and cytokines). Advanced technology and equipment are used for performing these investigations - extraction of nucleic acids, temperature gradient, end-point and real-time thermocyclers, nucleic acids electrophoresis tools, micro-array platform, automated pipetting robot, dedicated software for data acquisition and analysis.

The unit is intended to be called upon by all Institute's research groups interested in the field of Immunogenomics. It is coordinated by Dr. Radu Huică and will cooperate with the Department of Pathology, which helped supply the necessary equipment.



Dr.  
Radu Huică