The Romanian Academy
"Petru Poni" Institute of Macromolecular Chemistry, Iaşi
41A, Grigore Ghica Vodă Alley, 700487 Iaşi
*Tel.: 0232-217454, *260332, *260333, *260334*
Fax: 0232-211299; E-mail: pponi@icmpp.ro

Petru Poni Institute of Macromolecular Chemistry, Iaşi – an institute of the Romanian Academy – is the beneficiary of a project financed by structural funds (*ID 88, Nr. 03/01.03.2009, Cod SMIS – CSNR 2213)*, within the framework of the Sectoral Operational Programme "*Increase of Economic Competitiveness*", Priority Axis 2 – Operation 2.2.1 "*Developing existing R&D infrastructure and creating new R&D infrastructure*".

The objective of the project, whose non-refundable value amounts to **15 658 593** lei (equivalent to about 3.7 million Euro), is to construct and provide with high-performance equipment a *Centre of Advanced Research in Nanobioconjugates and Biopolymers* (**IntelCentre**), integrated into "Petru Poni" Institute of Macromolecular Chemistry.

The research activity of the centre will be focused on:

- controlled release drugs,
- non-viral vectors,
- sensors for DNA quatification in solution,
- nanosupports for fast peptide synthesis.

IntelCentre, having a useful area of about 1000 m^2, will comprise 12 laboratories of chemistry, biochemistry, biology, instrumental analysis and molecular characterization. Over 100 last-generation research equipments, especially designed for the synthesis and structural characterization of nanosystems with bioactive components, will be purchased and will serve the future centre.

In addition to the advanced research activity in an emerging domain of nanotechnology, *IntelCentre* will exert an important educational role, offering academic interdisciplinary specialization opportunities to chemists, biologists and physicists, involved in doctoral and post-doctoral programs.