

## FP7 – REGPOT -2010-1-STREAM

### Strengthening the Romanian Research Capacity in Multifunctional Polymeric Materials

[www.regpot-stream.ro](http://www.regpot-stream.ro)

The “Petru Poni” Institute of Macromolecular Chemistry (PPIMC), an institute of excellence of the Romanian Academy, is strengthening its research capacity in targeted scientific areas, by adopting an interdisciplinary approach. STREAM project supports the institute activities toward this goal through mobility and knowledge exchange programs with outstanding EU research institutions, participation and organization of scientific events, hiring of experienced researchers, up-grading the research infrastructure and networking with both industry and research organizations from Romania and abroad.

Targeted research areas:

- Supramolecular/interface chemistry and physical chemistry
- Bio-based polymeric materials, environment protection, energy conservation
- Bio-oriented polymeric materials
- Polymers for high-tech application, nanosized/nanostructured materials

The research infrastructure of PPIMC was already enriched with three new equipments (NANOSTAR U small angle X-ray scattering diffractometer, Hitachi High-Tech HT7700 transmission electron microscope and WGE GPC/SEC-3010 multi-detection chromatograph).

PPIMC and its Collaborative partners within STREAM (the list below) launched the *Polymer Science and Technology Platform* that offers services (e.g., consultancy, certified analysis, training) to interested companies. The Platform is also interested in developing joint research projects with research and industrial stakeholders.

- University of Graz, Graz, Austria
- Centre de Mise en Forme des Materiaux, MINES ParisTech - Sophia Antipolis, France
- Institut Européen des Membranes, Montpellier, France
- Laboratoire d'Electrochimie et Physicochimie des Matériaux et des Interfaces, Grenoble, France
- Université d'Evry Val d'Essonne, Evry, France
- InnoChemTech GmbH, Braunschweig, Germany
- Potsdam University, Centre of Innovative Materials for Advanced Technologies, Potsdam, Germany
- T.U.Braunschweig - Institut für Anorganische und Analytische Chemie, Braunschweig, Germany
- Institute of Thin Film and Microsensoric Technology, Teltow, Germany
- Centre of Polymer and Carbon Materials of Polish Academy of Sciences, Zabrze, Poland
- University of Maribor - Laboratory for Characterization and Processing of Polymers, Maribor, Slovenia
- Technological Institute of Construction - Stone processing, Valencia, Spain
- Swiss Federal University of Technology - ETH Institute of Polymers, Zurich, Switzerland