PhD projects available in DYNACOP Marie-Curie Initial Training Network:

DYNACOP (DYNamics of Architecturally Complex Polymers) is a new 7th Framework Marie Curie Initial Training Network, involving ten universities and two industrial companies across Europe. The scientific objective of DYNACOP is to obtain a fundamental understanding of the flow behaviour and the dynamics of blends of topologically complex macromolecular fluids and their role in processing and properties of nano-structured blends. Twelve "Early Stage Researcher" (ESR) positions are available, spread across all University partners, covering experimental, theoretical and computational approaches to this problem.

An ESR position is a Marie Curie Fellowship for postgraduate research, and usually includes studies towards a doctoral degree (PhD). ESRs would normally be expected to be based outside the country of their nationality. The Initial Training Network provides an excellent opportunity for scientific and personal development, with regular training courses at different locations throughout Europe, and the chance to meet and discuss problems with leading scientists in the field (including several international visiting scientists).

The partner universities, together with indicative areas of study and contact details, are listed below. For general enquiries, please contact Peter Olmsted (p.d.olmsted@leeds.ac.uk) or Daniel Read (d.j.read@leeds.ac.uk).

For information on Initial Training Networks:
http://ec/europa.eu/mariecurieactions

University of Leeds, U.K. -- Theoretical and experimental molecular rheology, scattering theory, flow modelling
Peter Olmsted (p.d.olmsted@leeds.ac.uk) or Daniel Read (d.j.read@leeds.ac.uk)
Forschungszentrum Jülich, Germany -- Neutron scattering in controlled rheology, synthesis
Wim Pyckhout-Hintzen (w.pyckhout@fz-juelich.de)
Foundation for Research and Technology Hellas, Greece -- Experimental molecular rheology, dynamic light scattering
Dimitris Vlassopoulos (dvlasso@iesl.forth.gr)
Universidad del Pais Vasco/Euskal Herriko Unibertsitatea, Spain -- Dielectric spectroscopy, combined with scattering and simulation
Juan Colmenero (wapcolej@sc.ehu.es)
Universiteit Twente, Netherlands -- molecular simulations, coarse-graining
Wim Briels (w.j.briels@utwente.nl)
Universite Catholique de Louvain, Belgium -- experimental (linear viscoelasticity, extensional measurements) and theoretical rheology
Christian Bailly (bailly@poly.ucl.ac.be)
Technical University of Denmark, Denmark -- Extensional Rheology of Complex Fluids
Ole Hassager (oh@kt.dtu.dk)
Universita degli Studi di Napoli Federico II, Italy -- molecular modelling of polymer rheology, slip-link based molecular simulations of entangled fluids
Pino Marrucci (Marrucci@unina.it)
National and Kapodistrian University of Athens, Greece -- synthesis of model polymers
Nikos Hadjichristidis (hadjichristidis@chem.uoa.gr)
University of Durham, U.K. -- Synthesis and/or rheology and small angle neutron scattering of architecturally complex polymers
Lian Hutchings (l.r.hutchings@durham.ac.uk) or Nigel Clarke (nigel.clarke@durham.ac.uk)