

Laboratory of «Physics of macromolecules» of Department of Molecular Physics

The main direction of investigation is studies of physical principles of structure organization of biological and synthetic macromolecules. DNA/RNA- ligand interaction. Conformational transitions in DNA and RNA. Statistical physics of macromolecules. RNA and protein folding. Non-equilibrium thermodynamics. Theoretical biophysics. Biophysics of membranes. Stochastic processes in physics-chemical systems. The influence of external factors on the molecular characteristics of polymers. Liquid crystals.

Sci. Director: Samvel G. Haroutiunian.