

Russian regional scientists project proposals for participation in FP7

THEME 1: Health

[FP7-HEALTH-2010-single-stage](#)

[FP7-HEALTH-2010-two-stage](#)

[2.4. TRANSLATIONAL RESEARCH IN OTHER MAJOR DISEASES](#)

[3.5. SPECIFIC INTERNATIONAL COOPERATION ACTIONS FOR HEALTH SYSTEM RESEARCH](#)

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*Is interested in participation in a project that will be prepared and submitted in the following topics:
Theoretical research and mathematical modelling of excitation of a biomolecule with homogeneous periodic structures in molecular systems*

Call identifier: [FP7-HEALTH-2010-single-stage](#)

Proposal/Expertise: Research of excitation of a condition of an one-dimensional molecular chain of type of biopolymer. A role of molecules in such model will play peptization groups in albumens. A basis of structure of biomolecules make long chains of atoms. It is necessary to make the nonlinear equations for such models and a finding of its decision in the form of elementary excite type of solutions. The received decisions of the nonlinear equation of soliton type of biopolymers model, an one-dimensional molecular chain and studying its dynamics mathematical modelling by a computer.