

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:
Researching of genotoxikal effect of nanostucturing materials

Short description of the organization:

Astrakhan state university (ASU) was founded in 1932. Now it is known as one of the largest multi-purpose educational institutions in the Caspian region.

Astrakhan state university has old traditions of academic activity and it is one of the most quickly modernising universities in Russia. Many scientists working at the university are widely known not only in Russia, but also abroad thanks to their serious contribution to various spheres of science.

ASU is classical university which realizes researches and student's training in most sections of modern science including physics and mathematics, information and communication technologies, socio-economic sciences and humanities, jurisprudence, history, biology, food, agriculture and fisheries, biotechnology, environment and security, nanosciences, etc.

Expertise:

Used methods: anaphase and the metaphase analysis, studying of types of a pathology mitosis, an estimation mitosis activity, research rootformed abilities of plants, an estimation of a level of aberrations and a spectrum of chromosomes a method cultivation of lymphocytes of peripheral blood of the person.

In the long term the project is directed on studying cytogetic mechanisms of influence nanostucturing materials on alive systems, development of methods genoprotecturing actions nanoporous materials and reduction of possible risk of chromosomal infringements at the personnel working on manufactures, connected with industrial synthesis nanotubes.

Publications on the topic:

- ✓ «The Estimation genomic effects of nanostucturing materials» // Actual problems of biology, nanotechnologies and medicine. Materials of II International scientific conference. Rostov-ON-Don, 8-10th October, 2008.
- ✓ «Research of influence of a suspension of nanotubes on processes of cell division of apical meristem an onions napiform» // Bulletin RSMU. Magazine of the Russian state medical university. Materials of IV International Pirogovsky student's scientific conference. Moscow, March, 19th, 2009.