

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:
Investigation of biochemical criteria providing man immunity and establishing of microorganisms
biomolecules functional role in forming of carriage infection of reproductive system of man*

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

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.

Proposal/Expertise:

Supposed project tasks:

- To find out disturbance of men reproductive system in different kinds of bacteria carriage.
- To establish differences of biochemical level of spermoplasma of carriers and healthy men.
- To carry out complex evaluation of main factors of colonization, carriage and pathogenous process which provide the ability of microorganiam to different kinds of bacteria carriage in reproductive system of men.
- To establish biochemical characteristics of bacteria witch play an important role in epidemiological analyses.

Publications on the topic (other references):

- Sensitiveness lactoferrinum of ejaculate microflora in the condition of chronical prostatitis Journal "Urology" № 5 .- M.2004 (with co-authors).
- Molecular mechanisms of carriage infection (monography) / Publishing house "Astrakhan University", Astrakhan, 2006, 126 p (with co-authors).
- Prediction of resident bacteria carriage forming in urinology (Journal "Clinical laboratory diagnostics" № 9.-M.2007 (with co-authors).
- Indicators of interleukins status of seminal plasma in normal condition of infectious pathology (Journal "Clinical laboratory diagnostics" № 9.-M.2008 (with co-authors).

- Diagnostical indicators of bactericidal activity of bacteria carriage sperm (Journal "Clinical laboratory diagnostics" № 3.-M.2009 (with co-authors).

<http://www.ric.vsu.ru>

Patents:

- ✓ Licence № 2229713 from 27.05.2004 "Method of sperm bactericidal activity diagnosis "(with co-authors).
- ✓ Licence № 2251691 from 10.05.2005 "Method of diagnosis of pathology of organisms Staphylococcus epidermidis, excreted from sperm" with co-authors).
- ✓ Licence № 2259559 from 20.08.2005 "Method of microorganisms pathology diagnosis "(with co-authors).
- ✓ Licence № 2261439 from 27.09.2005 "Method of diagnosis of therapy effectiveness in condition of chronical prostatitis (with co-authors).
- ✓ Licence № 2272834 from 27.03.2006 "Nutritious two periods medium for trichomonadas extraction" (with co-authors).
- ✓ Licence № 2337364 from 27.10.2008 "Method of prediction of chronical prostatitis forming (with co-authors).