Summary of the report for the 2nd half-year of 2011
Of the research conducted under the guidance
Of the leading scientists in the Russian Institutions
Of Higher Professional Education

The agreement between the Ministry of Education and Science of the Russian Federation, the State Budgetary Institution of Higher Professional Education the Kuban State Medical University of the Ministry of Health Care and Social Development of Russian Federation and Paolo Macchiarini on giving a grant of the Government of the Russian Federation for state support of scientific research conducted under the guidance of the leading scientists of the institutes of higher professional education from October, 19, 2011 № 11.G34.31.0065.

The direction of the project: “Molecular and cellular biology, biotechnology, regenerative medicine”.

Objective of the project – development of the new approaches to tissue engineering and cell therapy for airways and lung tissue regeneration; search for optimal methods, transfer of the obtained results to the hospital.

According to the plan of research 4 scientific results of the work of the research team in the 2nd half-year of 2011 are presented in the report:

- Database of literary sources in the field of regenerative medicine (486 sources) and 2 analytical reviews of the literature
- Methodological recommendations on carrying out of in-vitro experiments for the work with cell technologies
- Database of patients-candidates for transplantation.

Training programs and a thematic plan of an elective course “Regenerative medicine” (18 hours) for interns and residents on the specialties “Oncology” and “Thoracic surgery” and thematic extension cycle on regenerative medicine (6 hours) for oncologists have been elaborated and approved.

1 scientific article for the journal “Cell transplantology and tissue engineering” have been prepared (December, #4, 2011).

A conference of the South Federal District “Regenerative medicine: fundamental principles and clinical prospects” and a school for young scientists on the same subject took place on the basis of the University on December 20, 2011. 3 reports have been prepared.

5 specialists from University, shortlisted for the future laboratory workers started their trainings in Karolinska Institute (Stockholm, Sweden) and on the thematic extension course “Cell products - Main types. Principles of work and manufacturing organization. Good manufacturing practice, GMP” on the basis of Postgraduate Study Institution of FMBC A.I.Burnazyan FMBA of Russia (Moscow) in December 2011.

At the present stage of the work all the efficiency indicators, planned for the 2nd half-year of 2011, are implemented.

Leading scientist
P.Macchiarini