

The school “Neurobiology and new approaches to artificial intelligence and brain”, Southern Federal University, Rostov-on-Don – Taganrog, Russia, September 5-8, 2011

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The school at Southern Federal University was held for students, PhD students and young scientists from Russia. Many leading Russian scientists and experts were invited to share their knowledge and experience in the field of neurobiology, neuroeconomics, neuromarketing, neuroscience and artificial intelligence. The scientific program of the school included lectures, reports and poster session.

The main topics of the school were the following:

- Fundamental principles of neurobiology and neuroscience (lectures by N.N. Danilova, V.V. Shulgovsky, E.I. Krasnoschekova, G.A. Ivanitsky, T.N. Grechenko, Yu.I. Alexandrov, V.N. Kiroy)
- Hardware and software for functional diagnostics of brain activity (lectures by V.L. Sakharov and D.A. Napalkov)
- Brain-computer interface and approaches to the creation of artificial intelligence (lecture by B.M. Vladimirsky)
- Biofeedback and functional biocontrol
- Management, innovations and education issue in neurobiology

Within the framework of the school BioN organized a seminar for academic staff "**Modern Teaching Methodology**" (supervisor Evgeny Aydarkin) and a workshop "**Innovational management in neurobiology. Neuroeconomics and Neuromarketing**" (A. Shestakova, V. Klucharev, O. Klepikov).

The central axis of the seminar "Modern Teaching Methodology" was to present new techniques effectively implemented in the leading Russian Universities: interactive seminars, web-education, electronic textbooks and databases, interactive software systems, asynchronous organization of educational process. The seminar and the follow-up meeting gave a possibility to discuss the problems and future prospects of higher education in Russia in the field of neurobiology and were very motivating for the members of the teaching staff.

During the last day all participants of the school visited companies located in Taganrog which are among the leading manufactures of biomedical equipment in Russia (Medicom MTD Ltd, “Neurotech” company and OKB “RITM” company). The excursion was very interesting and useful for young scientists.

Many thanks so to the Organizing Committee of the school, especially to Evgeny Aydarkin, Marina Pavlovskaya, Irina Starchenko and Vyacheslav Vishnevetsky!

