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THE FUNDAMENTAL SCIENTIFIC RESEARCHES BRANCH
“COGNITIVE MODELING IN THE BIOLOGICAL SCIENCES” (“OBN”)
OF “SIO "ACADEMY OF COGNITIVE NATURAL SCIENCES””

The developed “The fundamental scientific researches branch
"Cognitive modeling in the biological sciences”” (“OBN”)
treats to the fundamental scientific researches divisions
of “SIO "Academy of cognitive natural sciences”” (“SIO "ACNS””)
as the main component of the system of science and education of the modern country
for the creation, distribution and use of the main and derivative
scientific results of the cognitive modeling technology (CMT) (www.vetrovan.(spb.)ru)
[see the fundamental scientific researches branches and departments of “SIO "ACNS””]:
1) it is executed by the principle of “administrative-economy submission”;
2) works in the several main directions, which allow to provide
the development of the fundamental main and derivative scientific results
(my second report on SRW from 2006-2008(9) y. was submitted
to “SPbSETU "LETI”” and “The Government of RF”
for the translation, carrying out of int. action and receiving of “The Nobel prize”);
3) includes the several various main divisions:
I. “The fundamental scientific researches department
"Theory of biology and pharmacology”” (“SOB”)
*[the fundamental scientific researches in the area
“ T h e o r e t i c a l b i o l o g y ”* –
theory of biology, theory of the methods and equipment for the biological researches,
theory of molecular biology, theory of bio-physics, theory of cytology,
t h e o r y o f e m b r y o l o g y , t h e o r y o f g e n e t i c s ,
t h e o r y o f v i r o l o g y , t h e o r y o f m i c r o - b i o l o g y ,
theory of botany, theory of physiology of plants,
theory of zoology, theory of ecology, theory of anthropology,
t h e o r y o f p h y s i o l o g y o f h u m a n a n d a n i m a l s ,
t h e o r y o f m o r p h o l o g y o f h u m a n a n d a n i m a l s ,
theory of immunology, theory of pharmacology,
theory of toxicology, theory of radiation biology,
t h e o r y o f s p a c e b i o l o g y , t h e o r y o f b i o n i c s ,
theory of bio-cybernetics, theory of bio-engineering,
t h e o r y o f t h e c o g n i t i v e m o d e l i n g t e c h n o l o g y
i n t h e t h e o r e t i c a l b i o l o g y ,
theory of modeling of the biological construct of organism of the organic individual;

the fundamental scientific researches in the area “ Theoretical pharmacology ” – theory of pharmacology, theory of the methods and equipment for the pharmacological researches, theory of the pharmaco-kinetics and pharmaco-dynamics of preparations and substances, theory of molecular pharmacology, theory of bio-pharmacology, theory of cytological pharmacology, theory of embryological pharmacology, theory of genetic pharmacology, theory of virological pharmacology, theory of micro-biological pharmacology, theory of botanical pharmacology, theory of physiological pharmacology of plants, theory of zoological pharmacology, theory of ecological pharmacology, theory of anthropology of pharmacology, theory of physiological pharmacology of human and animals, theory of immunological pharmacology, theory of toxicological pharmacology, theory of radiation pharmacology, theory of space pharmacology, theory of bio-engineering pharmacology, theory of the cognitive modeling technology in the theoretical pharmacology].

II. “The fundamental scientific researches department “Theory of physical-chemical bio-technology”” (“SFCHB”) (*)

[the fundamental scientific researches in the area “ Theoretical bio-technology ” ()* – theory of raw materials and products for the bio-technological manufacture, theory of bio-technological processes and devices, theory of cellular engineering, theory of technological bio-energetics, theory of applied genetic engineering, theory of engineering enzymology, theory of the immuno-bio-technological methods of analysis, the other theories and problems of bio-technology (genetic engineering), theory of the cognitive modeling technology in the theoretical physical-chemical bio-technology (theory of genetic engineering), theory of modeling of the structure of desoxyribonucleic acid based on the multidimensional cognitive cylinder].

The fundamental scientific researches branches and departments of “SIO "ACNS"” allow to develop the main and derivative scientific results of CMT.