

## MIND OF CELLS AND MODELING IN CYTOETOLOGY

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V.J.Aleksandrov (1) called scientific community for development of researches in area cytoetology - sciences about behavior of live cages. Showed interest to this area and the great physicist of the XX-th century - Richard Fejnman (2).

There are a great number of the experimental data testifying to presence at live cells of "reasonable behavior», not reduced to a classical principle "stimulus-reaction", and having in the basis search activity and ability of optimization of key parameters of a condition of a cage is received. In our experiments with the isolated neuron (3) it has been proved, what the separate neuron, which does not have any synapses with which change of a condition usually connect ability of a brain to training and memory, at short circuit by its artificial feedback shows difficult and interesting behavior, to be trained and remember results of found tactics of behavior. Set of the interesting supervision, connected with studying of "reason of a cage", Gunter Albrecht-Buller results. (4) its experiments with behavior management фибробластов by means of Ik-beams have allowed to come to a conclusion about presence of "a cellular brain" and to state a hypothesis that a role of this body executes the cellular center. Later to these conclusions R. Penrouz (5) has addressed, reflecting on the consciousness nature.

Results of researches Ju.A.Labas and its colleagues (6) over behavior of hydroid polypes cells in the course of their growth, and also numerous experiences with behavior of plasmodium Physarum, well-known not only aren't less interesting also to cytologists.

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