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**CONTRIBUTION OF SCIENTIFIC SCHOOL UNDER MANAGEMENT
ACADEMICIAN P.G. BOGACH IN DEVELOPMENT OF PHYSIOLOGY
OF DIGESTION AS SCIENCE**

Summary

Analysis of scientific achievements P.G. Bogach, academician-secretary of the Department of Physiology, Biochemistry and Theoretical Medicine of the Presidium of the Academy of Sciences of the Ukrainian SSR shows that he is the author of many theoretical developments on these issues and has significant achievements in the study of digestion, central regulation of vegetative functions and biophysics of muscular contraction. These were at that time fundamental research in the field of neurohumoral mechanisms of regulation of motor activity of the digestive apparatus and the role of the hypothalamic region and the limbic system of the brain in the regulation of autonomic functions. Under the leadership of Academician P.G. Bogach was executed a huge amount of research.

P.G. Bogach trained specialists of high qualification in biophysics. Scientific school of Academician Bogache has 5 Doctors of Biological Sciences (Burdyga F.V., Zima V.L., Klevets M.Yu., Miroshnichenko M.S., Rybalchenko V.K.,

Reshodko L.V., Skrypnyk Z.V.) and 38 PhDs. This work is devoted to the study of academic activities.

The analysis of recent researches and publications testifies to the lack of coverage of the problem of generalization and analysis of the academic contribution of Academician P.G. Bogach. The purpose and tasks of the study of this research is to highlight the main directions of the activity of the scientific school P.G. Bogach, to analyze and generalize the available material. This will allow you to properly assess the significant contribution of this school.

P.G. Bogach created a fundamental school in Ukraine in the field of digestive physiology, central regulation of autonomic functions and biophysics of muscular contraction, representatives of this school are K. Krasilchikov (study of mechanisms of neurohumoral regulation of motor activity of the esophagus); S. Groisman, V. Gubkin (research of mechanisms of neurohumoral regulation of motor activity of the stomach); L. Koval, K. Nesen, N. Vorobyov, V. Motuzny (research of mechanisms of neurohumoral regulation of motor activity of the small and large intestines); G. Chaychenko (slow electric waves and peak potentials in the small intestine have been studied and characterized); M. Klevets, M. Kaplunenko, Z. Skrypnyk, F. Burdiha, P. Pelyukh (nerve and humoral influences on smooth muscles were studied and characterized); M. Kaplunenko, V. Rybalchenko (ionic mechanisms of electrogenesis in smooth muscles of the gastrointestinal tract have been studied and characterized); Zh. Smirnova, P. Shevchuk (study of electrical activity of digestive glands) and others.

Key words: *scientific school, digestion, physiology, Bogach P.G.*