



ALEXANDER VICTOROVICH STEFANOV On November 28, 2007, on October 58, the outstanding scientist, pharmacologist, director of the State Institution Institute of Pharmacology and Toxicology, chairman of the problem committee of the Ministry of Health of Ukraine "Pharmacology", chairman of the Association of pharmacologists of Ukraine died.

Alexander Stefanov was born on September 18, 1950 in the city of Makiyivka, Donetsk region. In 1973 graduated from MI Pirogov Odessa Medical Institute, until 1975 he worked as a physician-therapist of the district hospital in Kotovsk, Odesa region. His interest in scientific research manifested itself in his student years. Combining the work of a practical doctor with research activities, in 1975 Alexander Viktorovich successfully defended his thesis on the specific features of digestive enzymes and the pharmacological action of protease inhibitors.

Since 1975 until 1992 **A.V. Stefanov** worked at the O.O. Bogomolets Institute of Physiology and the O.V. Paladin Institute of Biochemistry of the National Academy of Sciences of Ukraine (NASU). He worked - over the problems of neurophysiology and biochemistry of biological membranes and passed the way from the senior laboratory assistant to the head of the laboratory.

Scientific research **A.V. Stefanov** was aimed at studying the theoretical and practical aspects of the problems of cellular metabolism, identifying the role of biologically active compounds with the predicted mechanism of action. The results of these studies have expanded the understanding of the interaction of effective drugs and other xenobiotics with components of cellular biomembranes and have become a prerequisite for the development of a promising direction in modern pharmacology - liposomopharmacology. Based on these developments In 1988, **A.V. Stefanov** defended his doctoral thesis on the fundamentals of creating a new class of drugs based on liposomes.

Since 1992, **A.V. Stefanov** headed the Institute of Pharmacology and Toxicology of the Academy of Medical Sciences of Ukraine, at the same time being the head of the department of experimental therapy. Wide erudition and high demands on the results and quality of work performed, contributed to the successful implementation of the complex tasks before the scientific institution. Research results **A.V. Stefanov** and his students in the field of biochemical pharmacology are widely known in many countries around the world.

A.V. Stefanov took an active part in the creation of the Pharmacological Committee in Ukraine, which was transformed into the State Pharmacological Center of the **Ministry of Health of Ukraine** and headed it for many years.

The scientific achievements of **A.V. Stefanov**:

* Scientific activity **A.V. Stefanov** was aimed at solving the fundamental problems of regulating the processes of cellular metabolism and the influence of biologically active substances. A.V. Stefanov was one of the first in the world to foresee and confirm the status of liposomal systems not only as carriers of drugs but also as independent polytropic factors of pharmacological correction of pathological states of the organism. The results of these works have become the basis of the development of a new section of the pharmacological science of liposomopharmacology.

A.V. Stefanov is well-known scientific and organizational activity. He was a member of the Presidium of the Academy of Medical Sciences of Ukraine, the President of the All-Ukrainian public organization "Association of pharmacologists of Ukraine", the chairman of the problem committee of the Ministry of Health of Ukraine "Pharmacology", a member of the scientific council under the Presidium of the Academy of Medical Sciences of Ukraine, the editor-in-chief of the scientific journal "Drugs", a member of the editorial councils of many other scientific publications.

* **A.V. Stefanov** is the author of more than 300 scientific works, including 24 patents. Under his leadership, 8 doctors and candidates of sciences have been trained.

* He is one of the first in the CIS countries to begin and successfully develop a study of the global problem of pharmaco-correction of endothelium-dependent vascular reactions and nitrous oxide metabolism under conditions of hypoxic states. The original concept of the combined and mutually reinforcing role of hypoxia and lipid peroxide oxidation in pathologies of the cardiovascular and respiratory systems has become a solid basis for the creation of the antihypoxic-antioxidant drug **Lipin**, the world's first industrially developed liposomal drug.

* The pharmaceutical centre, under his leadership, managed to create a transparent and clear drug registration system that operates at the level of European standards. International accreditation has been carried out on the GLP (Good Laboratory Practice) system.

* Under the direction of **A.V. Stefanov**, a number of original medicinal preparations manufactured by pharmaceutical companies of Ukraine (**Lyoliv, Antral, Vitam, Lipoflavon**, etc.) were created. Their high efficiency in the treatment of various diseases is confirmed in clinical practice.

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