



*M.D., ScD, Professor Aleksandre Bakuradze* (1905 – 1987) is a famous Georgian Neurophysiologist, Member of Georgian Academy of Science and Distinguished Scientist of Georgia. Professor Bakuradze begins his scientific carrier in Leningrad, at the Laboratory of Ivan Pavlov and E. London (now, Institute of Experimental Medicine). Then, during years, he was the Head of the Department of Physiology at Tbilisi Medical State University, Head of the Department of Primate Behavior at Beritashvili Institute of Physiology Georgian Academy of Sciences (now Ivane Beritasvhili Center of Experimental Biomedicine), the Director of Beritashvili Institute of Physiology Georgian Academy of Sciences, and Vice-President of Georgian Society of Physiologists, Member of various national and international professional scientific societies, the owner of prestigious governmental awards.

Professor Bakuradze's main scientific interest was the physiology of peripheral nervous system; during years, he investigated regulatory mechanisms of this system and introduced several approaches for the evaluation of Digestive System Function. Another area of interest is the Mechanisms of different types of Memory. Professor Bakuradze is the author of more than 200 scientific articles, published in international journals and several monographs. Some of Professor Bakuradze articles are:

Participation of the posterior hypothalamus in the activity of the ascending activating system. Noselidze AG, Naneishvili TL, Bakuradze AN, Machavariani GI. *Biull Eksp Biol Med.* 1975 Aug;80(8):3-6.

Mechanism of action of Borzhom mineral water on gastric secretory function. BAKURADZE AN, GOGOSHVILI AA. *Vopr Kurortol Fizioter Lech Fiz Kult.* 1955 Apr-Jun;2:53-6.

Significance of emotional excitation in the mechanisms of spatial short-term memory in low/er apes. Bakuradze AN, Naneishvili TL, Burdzhnashvili MA, Noselidze AG, Aragveli RI, Machavariani GI, Dashniani MG. *Neurosci Behav Physiol.* 1987 Jan-Feb;17(1):43-9.

Functional relations between digestive and excretory systems. Bakuradze AN. *Fiziol Zh SSSR Im I M Sechenova.* 1982 Apr;68(4):446-54.

The effect of stimulation of the posterior hypothalamus on the electrical activity of the neocortex in chronically premenstrual cats. Naneishvili TL, Bakuradze AN, Noselidze AG. *Neurofiziologia.* 1976;8(1):47-53.

Experimental studies on explosion injuries during the war years. Bakuradze AN. *Zh Vyssh Nerv Deiat Im I P Pavlova.* 1985 Jul-Aug;35(4):791-4.

Influence of the anterior and posterior hypothalamus on the conditioned reflex activity and delayed responses of lower simians. Bakuradze AN, Naneishvili TL. *Fiziol Zh SSSR Im I M Sechenova.* 1975 Aug;61(8):1134-41.

The predominantly unilateral influence of the posterior hypothalamus on the neocortex. Naneishvili TL, Bakuradze AN, Noselidze AG. *Neurofiziologia.* 1976;8(2):139-45.

Effect of nasal respiration on the electrical activity of skeletal musculature. Bakuradze AN, Eliava GG. *Fiziol Zh SSSR Im I M Sechenova.* 1985 Jan;71(1):8-14.

Preferential ipsilateral influence of the posterior hypothalamus on the neocortex. Naneishvili TL, Bakuradze AN, Noselidze AG. *Neurosci Behav Physiol.* 1977 Jan-Mar;8(1):9-14.