Professor Archil Mikeladze (1929-1974) – Distinguished Georgia Neuromophologist. *Professor Mikeladze was first Georgian scientist, who introduced Electron Microscopic Studies in Georgia*. From the beginning of 1960's Professor Mikeladze is actively involved in the investigation of Ultrastructure of Different Types of Neurons, Synapses, and Glial Cells in various regions of Central Nervous System in Norm and under various Pathological Conditions. It was a period, when Electron Microscopy of Brain was new scientific direction. Therefore, all research performed under supervision of Professor Mikeladze was of special importance.

Professor Mikeladze was internationally recognized scientist, the founder and Head of Electron Microscopic Scientific Council at Georgian Academy of Science. In 1967, Professor Mikeladze established the Laboratory of Electron Microscopy at I. Beritashvili Institute of Physiology. This laboratory was the first of such types of scientific divisions in Georgia, and one of the firsts in fromer USSR. In this laboratory, under supervision of Professor Mikeladze qualified specialists of Electron Microscopy were prepared not only for Georgia, but for other soviet republics also. Professor Mikeladze was the Organizer of a number of International Schools for Electron Microscopy, which were funded by the most prestigious European firms of Electron Microscopic Equipment (Reichert, LKB).

In 1973, Professor Mikeladze was the Chair of International Conference on Electron Microscopy, which was held in Tbilisi, Georgia.

Professor Mikeladze had active collaboration with Electron Microscopists from different institutions of Georgia and other countries, as well as the specialists of other laboratories of I. Beritashviili Institute of Physiology

Professor Mikeladze was the author of a number of textbooks concerning the Ultrastructure of different regions of the Central nervous system and numerous scientific articles. Some of them are:

Mikeladze A.L. Endings of afferent nerve fibers in lumbosacral region of spinal cord. Fed Proc Transl Suppl. 1966, 25(2): 211-216

Mikeladze A.L., Lazriev I.L. Quantitative analysis of structural elements surrounding dendrite processes of the cortical neurons. In: "Electron Microscopy 1968", Roma. 1968, 2, 575-576

Mikeladze A.L. Characterization of the postsynaptic structures of the brain. Folia Morphol. (Praha). 1969; 17(4): 420-431

Mikeladze A.L., Kiknadze G.I. The efferent connections of the cat's brain proreal gyrus. J. Neuropath. and Psychiatry,1969, 69,1822–182

Mikeladze A.L., Lazriev I.L. Ultrastructure of the mamillary body. Neurosci. Translat., 1969, 11, 84-90

Mikeladze A.L, Alekseiuk A.A. Study of the cerebral cortex surface with a scanning electron microscope. Arkh. Anat. Gistol. Embriol., 1971, 60(3): 86-89

Mikeladze A.L., Roĭtbak A.I., Dzamoeva E.I. Contacts of axon terminals with oligodendrocytes in the cerebral cortex. Dokl. Akad. Nauk SSSR. 1971, 200: 970-972

Endings of afferent nerve fibers in lumbosacral region of spinal cord. Mikeladze AL. Fed Proc Transl Suppl. 1966 Mar-Apr;25(2):211-6.