

Ljubisav Rakić

- Ljubisav Rakić was born on April 11, 1931 in Sarajevo in a family of teachers to father Miodrag and mother Vukosava, nee Nikolić. He finished the first four grades of elementary school in Sarajevo and the grammar school and School of Medicine in Belgrade.
- In the course of the medical studies he was an assistant at the of Physiology, School of Medicine, University of Belgrade where he participated in the research activities. Having graduated in 1956. he got a post at the Department of Physiology, School of Medicine. In 1961. he was promoted into an Associate Professor, and eventually in 1971. He became the Professor of Physiology and Biochemistry. Since 1971. he was Professor of Neurobiology at the postgraduate courses at the University of Belgrade. In the course of several years he was the Head of the Institute of Biochemistry and Chairman of Department of Physiology and Biochemistry of the School of Medicine in Belgrade. In the sixties he founded a Laboratory for Neurophysiology (current Department of Neurophysiology and Neurochemistry) at the Dr "Siniša Stanković" Institute for Biological Research of the University of Belgrade and International Brain Research Laboratory in Kotor under the auspices of UNESCO and USA National Institute of Health where dozens of scientists from all over the world, but primarily from the USA and Soviet Union worked over four decades.
- Prof. Rakić rising career includes stays at the insitute of Academician P.K. Anohin in Moscow (in 1956) and Brain Research Institute of the University of California in Los Angeles (1961-1962). From the end of the sixties to the early eighties he was a permanent visiting professor of the University of California in Los Angeles and in the eighties at the Baylor College of Medicine in Houston.
- As an invited professor he presented his papers at numerous international congresses of physiology, biochemistry, neurochemistry, neurology, developmental neurology etc. He delivered invited lectures at universities and scientific institutions in the Soviet Union, USA, Great Britain, France, Holland, Hungary, Romania, Bulgaria, Italy, Germany, Israel, Egypt, Libya, Albania as well as all universities in former Yugoslavia.
- Academician Rakić is a member of several scientific societies and academies in former Yugoslavia (member of the Serbian Academy of Sciences and Arts since 1974, Montenegrin Academy of Sciences and Art, Bosnia and Hercegovina Academy of Sciences and Arts, Kosovo Academy of Sciences and

Arts) and abroad (foreign member of Academy of Sciences of USSR, current Russian Academy of Sciences, Euro-Asian Academy of Sciences, International Brain Research Organization of UNESCO, Royal Society of Medicine, London, international societies of physiology, biochemistry, neurological sciences, neurochemistry, biological psychiatry, neuropharmacology, developmental neurology and others).

- He is an honorary member of Pavlov's USSR Federal Society of Physiology and Biochemistry and British Brain and Behavior Society.
- Studies of Professor Rakić cover the central nervous system and broadly research of neurological basis of behavior. His studies focused research of fundamental nervous processes - excitation and inhibition from the points of view of several scientific disciplines: neurophysiology, biochemistry, immunology and evolution. Generally speaking, the results of Dr Rakić's studies can be classified into several groups: (1) regulatory mechanisms of excitation and inhibition in the central nervous system, (2) biochemical organization of the central nervous system, (3) biological rhythms in the brain, (4) studies of neuroimmunology and brain plasticity, (5) evolution biochemistry and brain physiology focusing regulatory role of the nervous system mediators in early embryogenesis, (6) blood-brain barrier, (7) central nervous system and cancer and gene therapy of tumors.
- He published over 400 papers in extenso (two thirds in international scientific publications), 6 monographs abroad, 3 in Yugoslavia and he is also a co-author of five textbooks.
- Over 25 years in the Serbian Academy of Sciences in addition to regular participation in research projects, organization of scientific meetings he is Chairman of Inter-Department Committee for Biomedical Research and he was the President of the Joint Committee for Collaboration of the Council of Academies of Sciences and Arts of SFR Yugoslavia and the USA National Academy of Sciences.