

The Life-work of Prof. MUDr. Zdeněk Lojda, Dr.Sc., Dr. Med. et Iur. h.c.

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Received October 22, 2008; Accepted November 19, 2008.

Key words: Obituary – Bibliography

The study was supported by grant MSM0021620807.

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Abstract: The comprehensive bibliography of prof., MUDr. Zdeněk Lojda, Dr.Sc.

Professor Zdeněk Lojda, MD., Dr.Sc., Dr. Med.h.c., Dr. Jur. h.c., vice-rector emeritus of the Charles University and director emeritus of the Institute of Histology and Embryology of the 1st Medical Faculty of the Charles University in Prague died on the 24th April 2004.

Born in Třebíč (in a local maternal hospital on the 7th December 1927) he grew up in Moravské Budějovice where he graduated from a primary and secondary school (he passed out each class as well as the leaving exam at the local gymnasium in 1946 cum laude). He was growing up in an inspiring atmosphere of a family of a professor at gymnasium that helped him to form his fundamental moral attitude and to gain high knowledge of an almost Renaissance comprehension. He was a gifted linguist (he spoke fluently several languages including Latin) and musician (he did community singing among others) and he was interested in natural sciences.

In 1946 he enrolled for the medical faculty and coincidentally he was grouped among students that completed histology and embryology at the Institute of Embryology headed by professor Zdeněk Frankenberger, MD., who had recognised his interest in this field of study. The young student gave himself and his free time to the work of an unqualified lab-worker and only later he became assistant conducting practical tutorials.

He took his degree cum laude in 1952 and he received certificate of competence because of his excellent results. He showed his preoccupation with histology (strongly influenced by the personality of professor Frankenberger) after the graduation when he entered the job of the assistant professor at the Institute of Embryology and he stayed there until 1961. When he was about to decide which problems he should target, professor Frankenberger drew his attention to a very interesting part of histology that was just in advance and that was the use of diazonic salts for formation of colour reaction product demonstrating enzyme activity in tissues.

In 1962 professor Frankenberger retired and Lojda left the Institute of Embryology for the 4th internal clinic to work in the Laboratory of Angiology housed at the 1st (Hlava) Institute of Pathologic Anatomy. This step influenced Lojda's professional occupations: in the Laboratory of Angiology he studied enzymes of blood vessel wall; the problems in gastroenterology solved at the 4th internal clinic and teaching hospital brought him to issues connected with enzyme garniture of the intestinal mucosal epithelium; his engagement at the Hlava Institute where he worked as well as house officer and later as pathology teacher caused that he subordinated his interest in enzyme garniture of various tissues to study and explanation of pathological processes using functional morphology. In years 1966 to 1975 he earned his master degree in pathology, he habilitated in pathology and was promoted to a professorship in pathology.

In 1978 he was appointed head of the Laboratory of Histochemistry of the Medical Faculty and he headed it till his death.

Thanks to several factors, professor Lojda became very soon the world class authority in his scientific field. First of all he used his deep knowledge of normal and pathological microscopic morphology and his chemical skills to study the chemical processes in tissues under the direct catalytic incidence of enzymes as well as the possibility of formation of colour reaction precipitates specifically demonstrating the reaction products. He was also brilliant at the creative thinking and precise synthesis of findings. He accomplished some breakthrough findings and carried out innovative procedures to hardly feasible studies and that together with the fact he was able to do precise statements, speak many languages and teach excellently, he became friends with many world-known histochemists and his publications were fundamental sources for all who were interested in histochemistry. Especially his chapters in basic methodological monographs on histochemistry are still up-to-date and cited.

It is only logical that Lojda was invited to memberships of practically all prominent histochemical societies and editorial boards of renowned scientific journals published in Europe, North America and Japan and he worked in them for some tens of years until the last period of his life. For his achievements and activities he was awarded by many medals and honorary memberships and he was appointed “editor emeritus” several times.

As lecturer Professor Lojda had a genuine charisma and he always tried to spread the knowledge of basic principles of histochemical and immunohistochemical methods to a large audience. For years he organized famous courses in fundamentals of histochemical techniques in Brno. Their participants always remember the characteristic atmosphere, attractiveness of scientific programme and proceedings, inspiring instructions, methodological notes and last but not least the warm feeling on evening parties. Then Lojda turned into an engaging companion, story-teller and folk singer and he often told his memories of persons of world histology. Medical students of our faculty certainly remember his methodically built lectures, laconic, yet sententious descriptions and feeling of security even during examinations. In the interest of truth it is necessary to say that as a solitaire he virtually towered above routine histochemists and though he inspired many scientists in biological research, brought them to histochemistry and inculcate upon them fundamental methodical training he stood alone on his high level. He had many first-rate disciples often very talented followers in histochemical research in many morphological departments both in our country and abroad, but he had not educated any worthy successor.

The quality of his achievements could not be glossed over even by exponents of the previous regime to which professor Lojda had always substantial reservations about due to his different philosophy of life. He was therefore awarded with state

prizes and it is ironic that he was the only physician and if I am not mistaken the only Czech citizen who received the Klement Gottwald State Prize for his work two times (in 1970 and 1982) – much to the surprise even agitation of communists at the faculty. That is to say he was a deeply religious man and a true democrat, enemy of class war theory and “real socialism” and he did not conceal his attitudes. Yet he obtained several scientific awards and eventually he became the corresponding member of the Czechoslovak Academy of Sciences and even worked for years in the commission for scientific degrees in pathology.

But in the end of the eighties of the previous century his long-term cardiovascular problems started to manifest clearly.

The Velvet revolution in November 1989 meant yet another aggrandizement of his activities that paradoxically were not connected with histochemistry. He became a representative of reformative members of the faculty and university and he applied himself to the restoration of academia. He became director of the first academic board at the faculty and rector Palouš asked him to hold the post of Vice-rector of the Charles University for foreign affairs. Once again Lojda put across his linguistic knowledge and oratory as well as diplomatic talent in this role and he became one of the deciding factors in international rehabilitation of the Charles University. He formed many international contacts that the university maintained during his term. Participants of the proceedings, entire audience of his speeches at various occasions, representatives of universities and other institutions in four continents as well as state authorities highly appreciated his rhetoric, improvisation, extemporaneous German, English, French, Russian and Latin speech, as well as his sonorous and sounding bass-baritone.

These activities of professor Lojda were rightfully appreciated – the Charles University awarded him with all its medals including a big commemorative one issued to the 650th anniversary of its foundation and he received honoris causa degrees from the Martin Luther University in Halle-Wittenberg, the International Christian University in Vienna and the International Cytological Academy in the United States.

At the premises of the university he steamed as head of the faculty rehabilitation commission to rehabilitate those who were prevented from taking their degrees by the late regime. He was among those who inspired revitalization of the academia by founding the Learned Society, Absolvent Club Carolinum, he assisted to re-establish Czech Medical Students Association, and he contributed substantially to necessary reforms of scientific societies. I have surely forgotten many other activities, but it is very difficult to identify all of them as he usually gave them no publicity.

He was a member of the first Accreditation Commission of the government of the Czech Republic and he devoted himself especially to medical, veterinary

and pharmaceutical faculties. He took part in creation and realization of a new system of accreditations of fields of study; he contributed considerably to the compatibility of our curriculum with those in Europe and overseas. Present members of the commission could adopt the functional and high-quality mechanism of accreditations that professor Lojda had a merit in distinctively.

In the autumn of his professional career professor Lojda was back as head of the institute where he began as a young medical student. In 1990 two institutes of the faculty were jointed under his direction, the Institute of Embryology and the Institute of Histology with Laboratory of Histochemistry, to form the Institute of Histology and Embryology. Thus the obscure and unique situation – that happened in 1939 when the Institute was divided in two parts as a result of certain personal ambitions and that lasted till 1990 though the heads of both departments changed – finally vanished, just like the rumours of rivalry and hostility between the institutes. Here Lojda devoted all his efforts into the teaching of the English class which he believed to be an important sign of the return of the Charles University among European universality in the way of a full-value and respected school attractive for foreign students. Beside the pedagogic work that he loved so much, he still actively contributed to histochemistry and immunohistochemistry. He further enlarged the spectrum of enzymes detected, he explained their localization and incidence and he also cooperated in the explanation of their position in physiological and pathological processes and the diagnostic and prognostic importance of their detection. His Laboratory turned into the top site in the field of histochemical and immunohistochemical analyses of bioptic samples from blood vessels and gastrointestinal tract, much-sought-for by many neonatologic, paediatric, cardiologic and gastroenterological departments of the whole country. His expertise was often considered the “final diagnosis”. He worked in his Laboratory literally to his last days.

Professor Lojda died peacefully after a short hospitalization in the Hospital of Merciful Sisters of St. Charles Borromeo in Prague under the Petrin hill and he was buried in the family grave in Moravské Budějovice. Immeasurable number of representatives of universities, especially of medical faculties, of learned and scientific societies from Europe and the USA as well as of state authorities gathered around his coffin and in the final farewell ceremony arranged by the Charles University in his beloved Karolinum. By being there they acknowledged the prestige and importance of professor Lojda who will be dearly missed by all who loved him.

The following list of publications was compiled from different sources and represents probably the comprehensive bibliography of Zdeněk Lojda.

The author is owed by many thanks to relatives and co-workers of Zdeněk Lojda for their support and help.

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