



**Societas Histo-et Cytochemica Bohemo-
slovaca**

Symposium

cum participatione internationali

»Progressus in histochemia generali, applicata

atque diagnostica«

Nedvědice

Diebus 14.- 16. m. Aprilis 1983

Organisatum pro Societate Histo- et Cytochemica

a Laboratorio Histochemico

Facultatis Medicae Univ. Carol. Pragensis

sub directione prof. MUDr. Z. LOJDA, DrSc.

Sub auspiciis praesidium honorificorum

Academicus J. ŘÍMAN

vicepraeses Academiae Scientiarum Bohemoslovacae

A BUCHTÍK

director generalis concerni CEVA

Ing. P. HLAVATÝ

director economicus fabricarum TST

Ing. K. MÜLLER

director concerni CEVA Brno

Die 14. mensis Aprilis 1983

8.30 INITIUM SOLEMNE SYMPOSIUM

Programma scientificum

9.00 - 9.10

P. SINHA /Berlin-West/:

1.

Two-dimensional electrophoretic analysis of proteases using fluorogenic and chromogenic substrates

9.15 - 9.25

J. KULICH, J. PAŇÍZEK /Hradec Králová, ČSSR/:

2.

Topographic isoelectrofocusing /TOPO-IEF/.
The method for obtaining zymograms from tissue sections

9.30 - 9.40

P. SINHA, P. GOSSPAU /Berlin-West/:

3.

Fluorescence detection of hydrolases with methyl-umbelliferone, naphthol and naphthol AS substrates using isoelectric focusing

9.45 - 9.55

P. GOSSPAU /Berlin-West/:

4.

Fluorescence histochemical detection of hydrolases in tissue sections and culture cells

10.00 - 10.10

J. ANDRÁŠ, D. BISCHOFF, H. LUPPA /Leinzic, GFR/:

5.

Use of a cytochemical model system for quantitative evaluations of parameters of cytochemical methods for acetylcholinesterase

10.15 - 10.25

H. SOPGER, Z. LOJDA, J. VOŘÍSEK, F. AURICH

6.

/Halle, GDR; Praha, ČSSR/:
Electron-microscopical demonstration of an endopeptidase activity in *Acinetobacter calcoaceticus*

10.30 - 10.40

J. VOŘÍSEK /Praha, ČSSR/:

7.

Discrimination capacities of electron-cytochemical staining of phosphate deposits in green algae

10.45 - 10.55

K. BENEŠ /Praha, ČSSR/:

8.

Histochemical studies of in vitro ageing of primary plant explants

- 11.00 - 11.10 M. ELLEDER /Praha, ČSSR/:
9. Histochemical observation of induction and depression of enzyme activities in various pathological conditions. Personal experience.
- 11.15 - 11.25 D. PAULIKOVÁ /Pratislava, ČSSR/:
10. Intracellular localization of alkaline phosphatase in glandular cells in normal and pathologic conditions
- 11.30 - 11.40 P. TRÁVNÍK, V. KOPEČNÝ /Brno, ČSSR/:
11. An attempt to standardize a simple method for the S-phase detection in embryonic cells
- 11.45 - 11.55 J. NEDVÍDEK, V. HABROVÁ, L. HUBKOVÁ /Praha, ČSSR/:
12. Cytophotometrical analysis of seasonal changes in ploidy of frog liver cells
- 12.00 - 12.30 Intermissio ad cenam
- 12.30 - 12.40 K. SMETANA, Z. LIKOVSKÝ, P. BUSCH, H. BUSCH /Praha, ČSSR; Hustone, USA/
13. The satellite nucleolus
- 12.45 - 12.55 W. LINSS, K.-J. HALBHUBER, C. LEMKE, R. FRÖBER, M. CLIESING, J. MAKOVITZKY /Jena, GDR/:
14. Einsatz histochemischer Methoden für den Nachweis von Membranläsionen
- 14.00 - 14.10 J. PALEČEK, J. HAŠEK /Praha, ČSSR/:
15. Visualization of dimethyl-sulfoxide stabilized tubulin containing structures by fluorescent staining with monoclonal anti-tubulin antibodies
- 14.15 - 14.25 J. PALEČEK, V. HABROVÁ, J. NEDVÍDEK /Praha, ČSSR/:
- 15a. Localization of tubulin structures in the course of amphibian germinal vesicle maturation
- 14.30 - 14.40 V. ŠBESTOVÁ, F. PAPOUŠEK, E. ČERNÝ, J. FOUKAL /Brno, ČSSR/:
16. The histochemical image of cryofixation and cryodestruction
- 14.45 - 14.55 J. HORSKÝ, M. HORSKÁ /Hradec Králové, ČSSR/:
17. Different localization of esterases activities in monocytes
- 15.00 - 15.10 K. SMETANA, R. OCHS, H. BUSCH /Praha, ČSSR; Hustone, USA/:
18. On the presence and localization of B23 and C23 proteins in nucleoli of human lymphocytes
- 15.15 - 15.25 V. MALASKOVÁ, P. ŠTÖCKBAUER, K. KOURBEK, V. DORAZILOVÁ, G. LINDNEROVÁ /Praha, ČSSR/:
19. "Mvelonocyttes": an attempt to characterization
- 15.30 - 15.40 B. NEUMIRTOVÁ, V. DOPAZILOVÁ, V. MALASKOVÁ, O. ŠETKOVÁ, J. ČHEŽOVÁ /Praha, ČSSR/:
20. Phagocytic activity of leukemic cells
- 15.45 - 16.00 Intermissio
- 16.00 - 16.10 P. GOSSPAU, H.-J. MEKKER /Berlin-West/:
21. Histochemistry and ultrastructure of the marmoset yolk sac and embryonic intestinal epithelium
- 16.15 - 16.25 V. LICHNOVSKÝ, Z. LOJDA, M. OBRUČNÍK, M. POČEK, M. DOSOUDILOVÁ /Olomouc, Praha, ČSSR/:
22. Aktivität einiger Enzyme in der menschlichen Embryonal- und Fetaldarmwand
- 16.30 - 16.40 Z. LOJDA, J. PETPAŠKO, E. HAVPÁNKOVÁ, L. LOJDA /Praha, Brno, ČSSR/:
23. Early postnatal development of the brush border enzymes of enterocytes of the small intestine in the rat and minipig
- 16.45 - 16.55 H.-J. BLANKE /Berlin-West/:
24. Histochemische Untersuchungen von Hydrolasen im Verdauungstrakt des Marmosets
- 17.00 - 17.10 Z. LOJDA, J. ŠMÍDOVÁ, J. KOLÍNSKÁ, J. KRAML /Praha, ČSSR/:
25. A comparative study of lactase and sucrose activity and immunoreactivity in jejunal biopsies of patients suffering from malabsorption syndrome

17.15 - 17.25 Z. LOJDA, Z. KOJECKÝ, J. NODL /Praha, Olomouc,
ČSSR/:

26. Enterorentidase activity in patients with
malabsorption syndrome

17.30 - 17.40 F. W. RATH, W. PRITZ /Halle, GDR/:

27. Möglichkeiten und Grenzen der enzymhistochemischen
Diagnostik der intestinalen Aganglionose
/Morbus Hirschsprung/

17.45 - 17.55 J. KUNZ, H. DAVID, H. WOLFF /Berlin, GDR/:

28. Biopsische Untersuchungen nach Lebertransplantation

18.00 - 18.10 G. GEFLEK /Leipzig, GDR/:

29. Immunhistochemische Untersuchungen an rheumatoiden
Granulomen

18.15 - 18.25 J. ZVÁRA /Hradec Králová, ČSSR/:

30. Histochemical changes in guinea pig skin after
irradiation. Carbohydrates. I.

19.00 Convivium vespertinum

Die 15. mensis Aprilis 1983

8.30 - 8.40 J. SLEZÁK, N. TRIBULOVÁ /Bratislava, ČSSR/:

31. Subcellular localization of adenylate cyclase
and guanylate cyclase in heart muscle cells

8.45 - 8.55 W. SCHULZE /Berlin, GDR/:

32. Localization and significance of hormon-sensitive
cyclases in heart cells

9.00 - 9.10 N. TRIBULOVÁ, J. SLEZÁK, I. CARAUER, V. HOJEC
/Bratislava, ČSSR/:

33. Effect of chlorpromazine on the extent of ischemic
changes of the myocardium. Histochemical study.

9.15 - 9.25 K. PINKT, J. PINKT, H. KRUC, C. SCHIFFEL
/Leipzig, GDR/:

34. A contribution to histophotometrical ATP-ase
estimation in the rat myocardium. A comparison
with biochemical measurements.

9.30 - 9.40 T. SOUKOP, J. CHAN, T. MILNER /Praha, ČSSR;
New York, USA/:

35. Immunocytochemical study of rat skeletal muscles-
methodological remarks concerning the effect of
fixation and freezing

9.45 - 9.55 Z. LUKÁŠ, O. NOVOTNÝ, V. HPAZDÍROVÁ /Brno, ČSSR/:

36. Multicore disease among the congenital myopathies.
A study of an afflicted family

10.00 - 10.10 W. STORCH /Leipzig, GDR/:

37. Hepatitis B core antigen on motor endplates and
cross striations of skeletal muscle in "lupoïd"
hepatitis

10.15 - 10.25 M. HORSKÁ, J. HORSKÝ /Hradec Králová, ČSSR/:

38. Distribution of activities of hydrolases in endo-
thelial cells of the muscle capillary bed

10.30 - 11.00 Intermissio

- 11.00 - 11.10 I. KLEPÁČEK, O. MPÁŽKOVÁ /Praha, ČSSR/:
39. Some histochemical findings to the morphology and development of the marginal sinus and subridge zone in the chick wing bud
- 11.15 - 11.25 P. GOSSRAU, H.-J. MERKER /Berlin-West/:
40. Flood vessel ultrastructure and histochemistry in the marmoset placenta
- 11.30 - 11.40 Z. LOJDA, M. BŘÍŽIČKOVÁ, E. HAVRÁNKOVÁ, V. SYNKOVÁ /Praha, ČSSR/:
41. Lysosomal proteases in the normal and atherosclerotic arterial wall
- 11.45 - 11.55 F. BÁCSY, VII DUC MOI, GYONGYI GÁLL, GY. RAPPAY /Budapest, Hungary/:
42. Lysosomes of the pituitary corticotrophs in hypo- and hyperfunction
- 12.00 - 12.10 P. UEBERBERG, J. NEUSS /Biberach/Pfiss. FRG/:
43. Einfluss der Kastration bei weiblichen Ratten auf die Proliferation der Zellen der Nebennierenrinde
- 12.15 - 12.25 P. KRÜGER, U. J. UHL /Homburg/Saar, FRG/:
44. Ultrastruktur des transplantablen Nebennierenrindencarcinoms SNELL 494 unter adrenostatischer Therapie mit on-DDD
- 12.30 - 14.00 Intermissio ad cenam
- 14.00 - 14.10 P. CRAP /Berlin-West/:
45. Immunhistochemische Untersuchungen am Inselorgan steroiddiabetischen Ratten
- 14.15 - 14.25 H. VON DORSCHÉ /Strahlsund, GDR/:
46. Histologische Veränderungen an endokrinen Organen von Sandratten /Psammomys obesus/ nach Störung des Kohlenhydratstoffwechsels
- 14.30 - 14.40 F. WOHLRAB, H. ESSBACH /Leipzig, GDR/:
47. Prostaglandin-abbau in der Kaninchen-Niere. Histochemische und elektrophoretische Untersuchungen
- 14.45 - 14.55 J. HOPEŠVÝ, M. HORSKÁ /Hradec Králová, ČSSR/:
48. Localization of enzymes cleaving n-nitrophenyl-phosphate and pyridoxal-5-phosphate in the kidney
- 15.00 - 15.10 U. FUCHS, J. CRAPP /Leipzig, GDR/:
49. Renale Eigenfibrinolyse beim experimentellen Diabetes mellitus
- 15.15 - 15.25 V. KOPFČHÝ, D. ČECHOVÁ, B. ŽELEZNÁ, J. F. FLEČHON, J. MOTLÍK, V. PECH /Nitra, Praha, Liběchov, ČSSR; Jouv-en-Josas, France/:
50. Cytochemical significance of acrosome labelling by tritiated sugars
- 15.30 - 15.40 J. MATOŠKA /Bratislava, ČSSR/:
51. Carcinoembryonic antigen in germ cell tumours of the testis
- 15.45 - 15.55 G. DHOM, K. H. H. MERKEL /Pomburg/Saar, FRG/:
52. Immunhistochemie der sauren Prostataphosphatase und des Prostata-spezifischen Antigens beim konservativ behandelten Prostatacarcinom
- 16.00 - 16.30 Intermissio
- 16.30 - 16.40 A. KRAJHANZL, J. NOSEK, M. MONSICNY, J. KOCOUREK /Praha, ČSSR; Orléans, France/:
53. Direct visualization of endogenous lectins in fish oocytes
- 16.45 - 16.55 J. NOSEK, A. KRAJHANZL, J. KOCOUREK /Praha, ČSSR/:
54. Binding of the cortical granule lectin to the jelly envelope in mature perch ova
- 17.00 - 17.10 A. KRAJHANZL, J. NOSEK, V. HARBOVÁ, J. KOCOUREK /Praha, ČSSR/:
55. An immunofluorescence study on the occurrence of endogenous lectins in the differentiating oocytes of silver carp /Hypophthalmichthys molitrix Valenci. and tench /Tinca tinca L./

- 17.15 - 17.25 J. NOSFK /Praha, ČSSR/:
56. Bionogenesis of the cortical granules in fish oocyte
- 17.30 - 17.40 J. MOTLÍK, V. KOPEČNÝ, J. PIVKO, J.E. PLÉCHON /Liběchov, Brno, Nitra, ČSSR; Jouy-en Josas, France/:
57. Comparative study of ³H-fucose and ³H-glucosamine incorporation in pig oocytes during meiotic maturation
- 17.45 - 17.55 J. TESÁŘÍK, V. KOPEČNÝ, L. F. KURILLO /Brno, ČSSR/:
58. Preovulatory RNA synthesis in the human oocytes: Implication in oocyte maturation and postfertilization development
- 18.00 - 18.10 P. ČEPAK /Berlin-West/:
59. Cytochemische Untersuchungen am Genitale weiblicher Ratten
- 18.15 - 18.25 M. ZAVIAČIČ, J. JAKUBOVSKÝ, Š. POLÁK, A. ZAVIAČIČOVÁ, I. X. HOLOMÁN, J. BLAŽEKOVÁ, P. ČEPEK /Bratislava, ČSSR/:
60. Female urethral ejaculate analysis using histochemical, electronmicroscopical and other methods

Die 16. mensis Aprilis 1983

- 8.30 - 8.40 G. SCHEUNER, K.E. RÜCKHÄBERLE /Berlin, GDR/:
61. Histochemical and polarization-optical studies of the trophoblastic basement membrane in human placenta after classification of chorionic villi
- 8.45 - 8.55 L. LENHARDE, Z. LOJDA, J. MARCÁNIK, P. ŠKARDA /Košice, Praha, ČSSR/:
62. Enzyme histochemistry of the mammary gland of cow and sheep
- 9.00 - 9.10 G. MÖBIUS, K. SOBOLIEWSKI /Schwerin, GDR/:
63. Zur klinischen Pathologie des Mammacarcinoms
- 9.15 - 9.25 H. LUPPA, A. WINTER /Leipzig, GDR/:
64. Vorkommen und Lokalisation von Somatostatin in der Hypothalamusformation und anderer Hirnregionen verschiedener Säugtiere
- 9.30 - 9.40 P. KOVÁŘEK, V. MAREŠ, H. KOVÁŘEK /Praha, ČSSR/:
65. Immunocytochemical study of alpha-fetoprotein /AFP/ in the central nerve system and thymus of rat embryos
- 9.45 - 9.55 Z. LODIN, J. FALTIN, J. HARTMAN, H. HERBERGER /Praha, ČSSR; Biberach/Biss, FRG/:
66. Ligation of lectins on sugar components of central nervous system cells in vitro
- 10.00 - 10.10 V. MAREŠ, L. F. BORCES, P. L. SIDMAN /Praha, ČSSR; Boston, USA/:
67. An immunocytochemical study of the binding of lectins in the developing brain in situ
- 10.15 - 10.25 A. MITRO, A. MAROSSY, Z. DAVNEPOVÁ, M. BOHA /Košice, ČSSR/:
68. Investigation of nuclei and nucleoli of nerve cells after ischaemia
- 10.30 - 10.40 K. H. H. MERKEL, E. A. MAIBACH /Homburg/Saar, FRG/:
69. Die Herpes simplex Encephalitis der Ratte nach intranasaler Virusinoculation. Eine immunohistologische Studie.

- 10.45 - 10.55 J. MRÁZ /Hradec Králové, ČSSR/:
70. Histochemical changes after the administration of
some toxic substances in the central and peri-
pheral nervous system
- 11.00 - 11.10 S. DOLEŽEL, J. FEIT Jr. /Brno, ČSSR/:
71. Noradrenaline concentration within the monoamin-
ergic terminals /Histochemical quantitative
study/
- 11.15 - 11.25 P. DUBOVÝ, L. MALINOVSKÝ /Brno, ČSSR/:
72. Localization of Dipeptidylpeptidase IV in
sensory corpuscles
- 11.30 Finis symposii
- 13.00 Excursus participantium in Pernštejn