

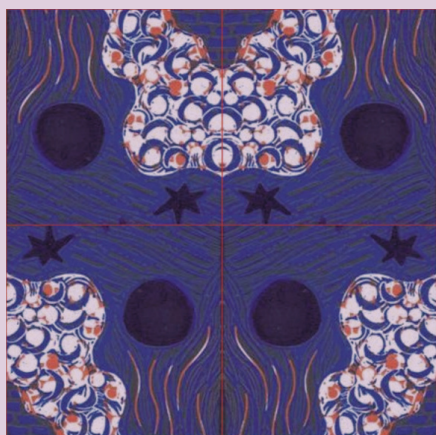
PROGRAMME AND ABSTRACT BOOK



Jana Krejčová

The 7th Symposium & Workshop
on Molecular Pathology
and Histo(cyto)chemistry

The 96th Seminar
of the Czech Division
of the International Academy
of Pathology



Jana Krejčová

The 3rd Olomouc Days
of Histology Laboratory Technicians

ORGANIZED BY

- The Czech Society of Pathologists CLS JEP
- The Molecular Pathology Working Group of the Czech Society of Pathologists and the European Society of Pathology
- The Czech Oncological Society CLS JEP
- The Czech Society for Histochemistry and Cytochemistry
- The Czech Society of Laboratory Technicians
- The Department of Pathology & the Laboratory of Molecular Pathology; The Laboratory of Experimental Medicine, Faculty of Medicine and Dentistry, Palacký University, Olomouc
- University Hospital, Olomouc

**APRIL 29–30, 2011
OLOMOUC**

THE CZECH REPUBLIC

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The 7th Symposium & Workshop on Molecular Pathology and Histo(cyto)chemistry
 The 96th Seminar of the Czech Division of the International Academy of Pathology
 The 3rd Olomouc Days of Histology Laboratory Technicians

April 29–30, 2011, Olomouc, Czech Republic

Under the auspices of

- prof. M. Mašláň, Ph.D. / Rector of Palacký University, Olomouc
- prof. Z. Kolář, M.D., Ph.D. / Dean of the Faculty of Medicine and Dentistry, Palacký University, Olomouc
- R. Maráček, M.D. / Director of the University Hospital Olomouc

Chairman of the Congress:

Professor Zdeněk Kolář, M.D., Ph.D. / The Department of Pathology & the Laboratory of Molecular Pathology
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 Lenka Prokopová, Jana Steigerová, Jozef Škarda, Michaela Šváchová, Ivo Überall

Venue:

Friday, April 29 – Regional Centre Olomouc (Jeremenkova 40B, Olomouc, 772 00)

Saturday, April 30 – Theoretical Institutes Building, Faculty of Medicine and Dentistry, Palacký University, Olomouc
 (Hněvotínská 3, Olomouc, 775 15)

Conference Language:

The 7th Symposium & Workshop on Molecular Pathology and Histo(cyto)chemistry – English

The 96th Slide Seminar of the Czech Division of the International Academy of Pathology – Czech

The 3rd Congress of Histology Laboratory Technicians – Czech

The 7th Symposium on Molecular Pathology and Histo(cyto)chemistry

FRIDAY, APRIL 29, 2011

Time		Venue / language
8:30–9:00	Registration	
9:00–9:15	Joint meeting ceremony	Regional Centre Centaurus Hall / English, Czech
Keynote lectures of invited speakers I Chairs: P. Dubový (Brno), E. Pikarski (Jerusalem)		
9:15–9:45	P. Dubový (Brno) Expression of cytokine proteins and mRNAs in the primary sensory neurons of neuropathic pain model	Regional Centre Perseus Hall / English
9:45–10:15	E. Pikarski (Jerusalem) Advances in molecular diagnostics of hepatocellular carcinoma	Regional Centre Perseus Hall / English
10:15–10:45	J. Moreira (Copenhagen) Development of novel early detection and stratification markers for breast cancer: integrating pathology and proteomics	Regional Centre Perseus Hall / English
10:45–11:15	L. Havel (Brno) Histochemistry in plant development and abiotic and biotic reactions	Regional Centre Perseus Hall / English
11:15–11:45	Coffee break	
Tissue Banking Chairs: P. De Blasio (Milano), L. Dušek (Brno)		
11:45–12:05	P. De Blasio (Milano) Tissue Banking and Tissue Microarrays	Regional Centre Centaurus Hall / English
12:05–12:25	L. Dušek (Brno) How to manage real time data support for registries and tissue banking in clinical practice? Cancer care case study	Regional Centre Centaurus Hall / English
12:25–12:45	G. Stanta (Trieste) Archive tissue biobanking as a basis for translational and reverse translational research	Regional Centre Centaurus Hall / English
12:45–13:00	Discussion	Regional Centre Centaurus Hall / English
13:00–14:00	Lunch break Poster Session	
Keynote lectures of invited speakers II Chairs: P. Murray (Birmingham), K. Smetana (Prague)		
14:00–14:30	P. Murray (Birmingham) Small lipids as therapeutic targets in cancer	Regional Centre Perseus Hall / English
14:30–15:00	K. Smetana (Prague) Social life of cancer cell	Regional Centre Perseus Hall / English
15:00–15:30	J. Sikora (Prague) Danon disease – lysosomal dysfunction disease – molecular pathology of LAMP2 protein - implications for clinical diagnostics	Regional Centre Perseus Hall / English
15:30–15:45	R. C. Ecker (Wien) Applications of Slide-Based Single Cell Cytometry by TissueFAXS in Histopathology	Regional Centre Perseus Hall / English
15:45–16:00	Discussion	Regional Centre Perseus Hall / English

POSTERS

1 Increased susceptibility of MMP19 deficient mice to DSS-induced colitis provides novel insights into pathogenesis of intestinal inflammationBrauer R.¹, Dziechciarkova M.², Skarda J.³, Hajduch M.², Sedlacek R.¹¹Department of Transgenic Models of Diseases, Institute of Molecular Genetics AS CR, v.v.i, Prague, Czech Republic²Laboratory of Experimental Medicine, Department of Pediatrics and Oncology, Medical Faculty, Palacky University, Olomouc, Czech Republic³Department of Pathology, Medical Faculty, Palacky University, Olomouc, Czech Republic**2 Quadriplex model enhances urine-based detection of prostate cancer**Jamaspishvili T.¹, Kral M.², Khomeriki I.², Vyhnankova V.², Mgebrishvili G.¹, Student V.², Kolar Z.¹ and Bouchal J.¹¹Laboratory of Molecular Pathology and Department of Clinical and Molecular Pathology, Institute of Molecular and Translational Medicine, Faculty of Medicine and Dentistry, Palacky University and University Hospital, Olomouc, Czech Republic²Department of Urology, University Hospital, Olomouc, Czech Republic**3 Comparison of proliferating activity in terminal villi of normal and diabetic placenta**Jirkovská M.¹, Kučera T.¹, Jadrníček M.¹, Niedobová V.¹, Moravcová M.², Krejčí V.², Žižka Z.²¹Institute of Histology and Embryology, First Faculty of Medicine, Charles University in Prague, Prague, Czech Republic²Department of Obstetrics and Gynecology, First Faculty of Medicine, Charles University in Prague, Prague, Czech Republic**4 A novel transgenic mouse model to study epidermal differentiation and wounding**

Kasperek P., Suchanova S., Kreněk P., Sedlacek R.

Department of Transgenic Models of Diseases, Institute of Molecular Genetics AS CR, Prague, Czech Republic

5 Asporin modulates tissue microenvironment, invasive growth and bone metastasis of breast cancerKharashvili G.¹, Cizkova M.², Bouchalova K.², Sedlakova E.¹, Kolar Z.¹, Bouchal J.¹¹Laboratory of Molecular Pathology of Institute of Pathology, Institute of Molecular and Translational Medicine, Faculty of Medicine and Dentistry, Palacky University, Olomouc, Czech Republic²Laboratory of Experimental Medicine, Pediatric Clinics of Medical Faculty of Palacky University and Faculty Hospital, Olomouc, Czech Republic**6 Collagen triple helix repeat containing 1 protein in primary and metastatic breast cancer**Kharashvili G.¹, Cizkova M.², Bouchalova K.², Sedlakova E.¹, Kolar Z.¹, Bouchal J.¹¹Laboratory of Molecular Pathology of Institute of Pathology, Institute of Molecular and Translational Medicine, Faculty of Medicine and Dentistry, Palacky University, Olomouc, Czech Republic²Laboratory of Experimental Medicine, Pediatric Clinics of Medical Faculty of Palacky University and Faculty Hospital, Olomouc, Czech Republic**7 Apoptosis in placental vessels from pregnancies complicated by diabetes mellitus type I**Kučera T.¹, Jadrníček M.¹, Niedobová V.¹, Žižka Z.², Krejčí V.², Moravcová M.², Jirkovská M.¹¹Institute of Histology and Embryology, First Faculty of Medicine, Charles University in Prague, Czech Republic²Department of Obstetrics and Gynaecology, First Faculty of Medicine, Charles University and General University Hospital in Prague, Czech Republic**8 Double immunohistochemical staining in routine diagnostic pathology**

Lodererova A., Honsova E., Voska L., Gabris V., Maluskova J.

Department of Pathology, Institute for Clinical and Experimental Medicine, Prague, Czech Republic

9 Micro RNA Assessment as a New Diagnostic and Prognostic Tool of Barrett's Esophagus. Pilot StudyLuzna P.¹, Gregar J.², Uberall I.³, Prochazka V.², Ehrmann J. jr.^{1,3}¹Department of Histology and Embryology, Faculty of Medicine and Dentistry, Palacky University and University Hospital Olomouc, Czech Republic (pavla83@hotmail.com)²IInd Internal Clinic, Faculty of Medicine and Dentistry, Palacky University and University Hospital Olomouc, Czech Republic³Laboratory of Molecular Pathology, Faculty of Medicine and Dentistry, Palacky University and University Hospital Olomouc, Czech Republic**10 Prognostic factors in multiple myeloma**Mareckova J.¹, Scudla V.², Ehrmann J.¹, Abrahamova P.¹¹Department of Pathology, Laboratory of Molecular Pathology, Faculty of Medicine and Dentistry, Palacky University Olomouc, Czech Republic²3rd Internal clinic, Faculty of Medicine and Dentistry, Palacky University Olomouc, University Hospital Olomouc, Czech Republic**11 Determination of metallothioneins and alpha-methylacyl-CoA racemase in tumor prostate diseases**Masarik M.¹, Gumulec J.¹, Sztalmachova M.^{1,2}, Hlavna M.¹, Kuchtickova S.¹, Rovny A.³, Hrabec R.³, Eckschlager T.⁴, Krizkova S.², Adam V.², Kizek R.²¹Department of Pathological Physiology, Faculty of Medicine Masaryk University, Brno, Czech Republic²Department of Chemistry and Biochemistry, Faculty of Agronomy, Mendel University, Brno, Czech Republic³Department of Urology, St. Anne's University Hospital, Brno, Czech Republic⁴Department of Paediatric Haematology and Oncology, 2nd Faculty of Medicine Charles University in Prague, Czech Republic**12 Identification of grafted bone marrow cells in the recipient tissues**Mokry J.¹, Filip S.², Vavrová J.³, Čížková D.¹, Šinkorová Z.³, Mičuda S.⁴¹Department of Histology and Embryology, Charles University in Prague, Faculty of Medicine, Hradec Králové, Czech Republic²Department of Oncology and Radiotherapy, Charles University in Prague, Faculty of Medicine and Teaching Hospital, Hradec Králové, Czech Republic³Department of Radiobiology, University of Defence Brno, Faculty of Military Health Sciences, Hradec Králové, Czech Republic⁴Department of Pharmacology, Charles University in Prague, Faculty of Medicine, Hradec Králové, Czech Republic

- 13 Role of apoptosis associated genes in predicting clinical outcome of breast cancer**
Skálová H.¹, Dunder P.¹, Povýšil C.¹, Velenská Z.¹, Berková A.¹, Staněk L.¹, Dlouhá Z.², Petruželka L.², Tvrdík D.¹
¹Institute of Pathology, 1st Faculty of Medicine, Charles University and General University Hospital in Prague, Czech Republic
²Department of Oncology, 1st Faculty of Medicine, Charles University and General University Hospital in Prague, Czech Republic
- 14 Decalcification options of bone material for consequential molecular biological and cytogenetic diagnosis – from the experimental model to trepanobiopsy**
Staněk L.^{1,2,3}, Tvrdík D.¹, Střížský J.¹, Lísová S.¹, Berková A.¹, Ludvíková M.^{1,3}
¹Institute of Pathology, General Faculty Hospital and 1st Faculty of Medicine, Charles University in Prague, Prague, Czech Republic
²Department of Experimental virology, IHBT, Prague, Czech Republic
³Institute of Biology, Faculty of Medicine in Pilsen, Charles University, Pilsen, Czech Republic
- 15 Role of PPAR γ in colon cancer cells**
Straková N.^{1,2,3}, Hofmanová J.^{1,3}, Tylichová Z.^{1,3}, Knopfová L.⁴, Šmarda J.⁴, Kozubík A.^{1,3}, Ehrmann J.^{2,3}, Kolář Z.^{2,3}
¹Laboratory of Cytokinetics, Institute of Biophysics, Acad Sci Czech Rep, v.v.i., Brno, Czech Republic
²Laboratory of Molecular Pathology, Faculty of Medicine and Dentistry, Palacky University, Olomouc, Czech Republic
³Biomedical Centre of Institute of Biophysics Acad Sci Czech Rep, v.v.i. and Faculty of Medicine and Dentistry, Palacky University, Olomouc, Czech Republic
⁴Laboratory of Cell Differentiation, Institute of Experimental Biology, Masaryk University, Brno, Czech Republic
- 16 Molecular genetics changes in melanocystic lesions – case report**
Uvírová M.¹, Dvořáčková J.², Šimová J.¹, Urbanovská I.¹, Žiak D.¹, Konvalinka D.¹, Kubová B.¹
¹CGB laboratory, Ostrava, Czech Republic
²Faculty of Medicine University of Ostrava, Ostrava, Czech Republic
- 17 Role of matrix metalloproteinase-19 in liver fibrosis**
Zbodakova O.¹, Jirouskova M.¹, Sedlacek R.¹, Ehrmann J.², Hajduch M.³, Jirkovska M.⁴
¹Laboratory of Transgenic Models of Diseases, Institute of Molecular Genetics of the ASCR, Prague, Czech Republic
²Department of Pathology, Medical Faculty, Palacky University, Olomouc, Czech Republic
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⁴Institute of Histology and Embryology, First Faculty of Medicine, Charles University, Prague, Czech Republic

SOCIAL PROGRAMME

Time

17:30–18:00	Welcome drink
18:00–19:00	Concert in the Olomouc Archdiocesan Museum
19:00–19:30	Hot wine time
20:00–24:00	Social evening in Archa restaurant – Svatý Kopeček (bus transport guaranteed)

Workshop on Molecular Pathology

SATURDAY, APRIL 30, 2011

Time	Chairs: M. Mistrík, I. Überall (Olomouc)	Venue/language
9:00–9:30	P. Krist (Prague) 3D Microscopy	Theoretical Institutes Building Faculty of Medicine and Dentistry, Palacký University Olomouc / Czech
9:30–10:00	M. Mistrík (Olomouc) Applied fluorescence microscopy	Theoretical Institutes Building Faculty of Medicine and Dentistry, Palacký University Olomouc / Czech
10:00–10:20	Coffee break	
10:20–11:40	3D Microscopy – Practical demonstration by Zeiss (part I)	Theoretical Institutes Building Faculty of Medicine and Dentistry, Palacký University Olomouc / Czech
11:40–13:00	3D Microscopy – Practical demonstration by Zeiss (part II)	Theoretical Institutes Building Faculty of Medicine and Dentistry, Palacký University Olomouc / Czech