

FRIDAY 4/5/2007

## SYMPOSIUM & WORKSHOP ON MOLECULAR PATHOLOGY

8.00-8.15

**Z. Kolář/J. Ehrmann** Introduction, technical notes

### Part I – invited guests (Centaurus hall)

Chairpersons

**J. Bártek** (Copenhagen), **M. Hajdúch** (Olomouc)

8.15-8.45

**G. Hoefler (Graz)**: HNPCC diagnosis: Microsatellite instability testing, immunohistochemistry or both?

8.45-9.15

**I. Cavarretta (Innsbruck)**: Targeting the IL-6 autocrine loop in a model of advanced prostate cancer: in vitro and in vivo observations

9.15-9.45

**S. J. Weber-Hall (Abbott)**: FISH probes in solid tumor diagnostics and analysis of Her-2 testing challenges

9.45-10.15

**S. J. Gadher (Nyon)**: Revealing hidden biomarkers using ProteomeLab™ IgY proteome partitioning solutions

10.15-10.45

**J. Bártek (Copenhagen)**: Molecular mechanisms of DNA damage response and their role in human tumorigenesis

10.45-11.15

COFFEE BREAK

### Part II – invited guests (Centaurus hall)

Chairpersons

**Č. Altaner** (Bratislava), **V. Divoký** (Olomouc)

11.15.-11.45

**K. Baumforth (Birmingham)**: Expression profiling of Hodgkin's lymphoma identifies CCL20, an EBV target that recruits regulatory T cells to the tumor site

11.45-12.15

**E. Fung (Affymetrix):** Gene chip technology

12.15-12.45

**F. Fend (München):** mRNA analysis in paraffin-embedded tissues: possibilities and applications

12.45-13.15

**Č. Altaner (Bratislava):** Targeted cancer gene therapy by means of human mesenchymal stem cells isolated from adipose tissue

13.15-13.45

**S. Takáčová, V. Divoký (Olomouc):** Modeling of MLL-ENL leukemogenesis in mice

13.45-13.50

**Genetica:** Advances in laser capture microdissection and applications: Veritas and ArcturusXT

13.50-14.30

LUNCH BREAK

## Part III (Centaurus hall)

Chairpersons

**H. Kovářová (Liběchov), R. Trojanec (Olomouc)**

14.30-14.45

**H. Kovářová, H. Skalníková, P. Halada, M. Strnad, M. Hajdúch (Liběchov, Praha, Olomouc):** Proteomics of CDK inhibition in cancer cells

14.45-15.00

**J. Sikora, M. Pohludka, L. Dvořáková, Z. Vernerová, P. Příkryl, J. Vohánka, P. Novák, L. Stolnaja, I. Rychlík, E. Honsová, J. Vlasák, I. Šebesta, Z. Kostrouch, M. Elleder (Praha, Sokolov):** Is there a primary (hereditary) SAA amyloidosis? Clinical, histopathologic, proteomic and genetic study in a family with amyloidosis

15.00-15.15

**K. Součková, E. Krejčí (Brno):** Tissue preservation in RNAlater: its suitability and limitations for subsequent immunohistochemical and molecular analyses

15.15-15.20

**KRD:** Complex systems of miRNA analyses

15.20-15.35

**D. Konvalinka, J. Dvořáčková, J. Šimová, I. Urbanovská (Ostrava):** Human papillomaviruses, cervical carcinoma and questions about the diagnostics

15.35-15.50

**I. Urbanovská, J. Dvořáčková, M. Čegan, J. Šimová, D. Konvalinka, S. Pitronová, I. Žebráková (Ostrava):** Significance of multidisciplinary cooperation in diagnostics of celiac disease and lactose intolerance

15.50-16.05

**O. Slabý, I. Garajová, M. Svoboda, E. Krejčí, T. Šmerdová, D. Knoflíčková, M. Svoboda, I. Kocáková, R. Šefr., J. Růžičková, P. Šlampa, J. Hoch, R. Vyzula (Brno, Praha):** Prediction of sensitivity of locally advanced rectal adenocarcinomas to neoadjuvant combined therapy with fluoropyrimidines and concomitant radiotherapy by low-density oligonucleotide arrays

16.05-16.20

**R. Trojanec, M. Hajdúch, Z. Kolář, B. Braunerová, J. Ehrmann, V. Krejčí, S. Mičochová (Olomouc):** Five-years experience of the Her-2/neu (c-erbB-2) gene status evaluation in the National Reference Centre for the Czech republic

16.20-16.25

**Trigon-plus:** Products of f. THERMO Scientific/TRIGON PLUS

16.25-16.45

COFFEE BREAK

## Part IV (Centaurus hall)

Chairpersons

**J. Ehrmann (Olomouc), J. Bouchal (Olomouc)**

16.45-16.50

**Roche:** Universal probe library (UPL) and its application for Q-PCR

16.50-17.05

**A. Kaplanová, Z. Zdráhal, H. Konečná, O. Šedo, J. Mayer, Š. Pospíšilová (Brno, Kamenice):** Prediction of graft versus host disease after allogeneic stem cell transplantation using proteomic approaches

17.05-17.20

**L. Krsková, M. Kalinová, A. Augustiňáková, I. Hilská, E. Drahokoupilová, R. Kodet (Praha):** Minimal disseminated disease in alveolar rhabdomyosarcoma using PAX3/FKHR and PAX7/FKHR fusion genes

17.20-17.35

**H. Břízová, M. Mrhalová, R. Kodet (Praha):** Monitoring of the mRNA levels of cyclin D1 and proliferation markers (ki-67, topoisomerase IIalpha and TPX2) associated with unfavourable prognosis in patients with MCL

17.35-17.50

**J. Berkovcová, M. Dziechciarková, R. Trojanec, A. Janošáková, I. Grygárková, V. Kolek, I. Kiss, M. Hajdúch (Olomouc, Brno):** Analysis of Egfr1 and K-ras gene status in various tumors

17.50-18.05

**M. Pešta**, O. Topolčan, A. Sutnar, V. Liška, T. Skalický, S. Kormunda, V. Treska, L. Holubec jr. (Plzeň): Clinical relevance of expression of mRNA of CEA, MMP-7, MMP-9, TIMP-1 and TIMP-2 in biopsies from colorectal liver metastases

18.05-18.20

**R. Matěj**, D. Housa, P. Poučková, M. Zadinová, T. Olejář (Praha): Radiation induced production of PAR-1 and TGF-beta1 mRNA in lung of C57Bl6 and C3H murine strains and influence of pharmacoprophylaxis by ACE inhibitors

18.20-18.35

**G. Turashvili**, J. Bouchal, K. Baumforth, W. Wei, M. Dziechciarková, J. Ehrmann, J. Klein, E. Fridman, J. Škarda, J. Srovnal, M. Hajdúch, P. Murray, Z. Kolář (Olomouc): Novel markers for differentiation of lobular and ductal invasive breast carcinomas by laser microdissection and microarray analysis

18.35-18.50

**J. Procházková**, J. Hofmanová, J. Netíková, K. Souček, A. Kozubík (Brno): Activity of mitogen activated protein kinases (MAPKs) in leukaemic HL-60 cells treated by MK-886 and cytokines

## SOCIAL PROGRAMME

Friday 4/5/2007

19.15-24.00

Social evening and folk concert of Pepa Nos in Litovel Brewery.

Bus transfer guaranteed.

## SATURDAY 5/5/2007

9.00-12.00

Practical demonstrations

- 1) Virtual microscopy Olympus (Department of Pathology, Theoretical Institute Faculty of Medicine)
- 2) On-line tools and databases for microarray data analysis (DAVID, GEO, Gene Cards, Affymetrix, and many others) (Department of Pathology, Theoretical Institute Faculty of Medicine)
- 3) Confocal microscopy Olympus (Department of Botany, Faculty of Natural Sciences) – bus transfer guaranteed

10.00-10.30

COFFEE BREAK

