

Conference programme

Wednesday, March 22, 2006

14.30 – 17.00 **Conference registration**

17.00 – 17.15 **Opening of the conference**

17.15 – 18.00 **Opening lecture**

Chair: Serša Gregor

Teissière Justin, IPBS CNRS (UMR 5089), Toulouse:

Fluorescence in vivo imaging for oncology

18.00 – 19.00 **Break**

19.00 – 20.15 **Dinner**

20.15 – 22.00 **Get-Together**

Thursday, March 23, 2006

8.30 – 10.30 **Section 1: *Mechanisms of tumour progression***

Chairs: Lah Turnšek Tamara & Noel Agnes

8.30 – 8.55

Noel Agnes, University of Liège, Sart Tilman:

**Proteases and their inhibitors during tumoral angiogenesis:
lessons from knock out mice**

8.55 – 9.20

Mueller Margareta, German Cancer Research Center; Heidelberg:

**Growth factors as paracrine und autocrine mediators of tumor
progression and stroma modulation**

9.20 – 9.45

Magdolen Viktor, Clinical Research Unit, TU München:

**Biochemical characterization and clinical relevance of human
tissue kallikreins**

9.45 – 10.10

Nathan Ilana, Soroka University Medical Center and Ben-Gurion
University of the Negev, Beer Sheva:

**Triarylethylenes and related derivatives as novel
antileukemic agents**

- 10.10 – 10.25 Premzl Aleš, Jožef Stefan Institute, Ljubljana:
Assessment of cathepsin B activity in tumour invasion and angiogenesis
- 10.30 – 11.00 Break**
- 11.00 – 13.00 Section 1 - *Continued***
Chairs: Edwards Dylan R. & Moin Kamiar
- 11.00 – 11.25 Edwards R. Dylan, University of East Anglia, Norwich:
The Cancer Degradome: New insights into protease function in cancer biology
- 11.25 – 11.50 Reinheckel Thomas, Albert-Ludwigs-University Freiburg, Freiburg:
Differential effects of Cathepsin L deficiency on multistage tumorigenesis of epidermal carcinomas in K14-HPV16 mice as compared to islet cell tumors in the RIP1-Tag2 mouse tumor model
- 11.50 – 12.15 Pilkington Geoffrey J., University of Portsmouth, Portsmouth:
The role of tricyclic drugs in selective triggering of mitochondrially-mediated apoptosis in neoplastic glia: a therapeutic option in malignant glioma?
- 12.15 – 12.40 Turk Boris, Jožef Stefan Institute; Ljubljana:
Cysteine cathepsins pathways to apoptosis: can one use them in cancer treatment?
- 12.40 – 12.55 Vasiljeva Olga, Albert-Ludwigs-University Freiburg, Freiburg:
Tumor cell- and macrophage-derived Cathepsin B promotes progression and lung metastasis of mammary cancer
- 13.00 – 14.30 Lunch**
- 14.30 – 16.30 Section 2: *Tumour markers***
Chairs: Kos Janko & Brunner Nils
- 14.30 – 14.55 Brünner Nils, Royal Veterinary and Agricultural University, Denmark:
Plasma Tissue Inhibitor of Metalloproteinases-1 (TIMP-1) predicts survival in patients with metastatic colorectal cancer receiving irinotecan in combination with 5FU and folinic acid.

- 14.55 – 15.20 Christensen Ib Jarle, Hvidovre Hospital, Hvidovre:
The selection of serological markers for the determination of a prognostic profile predicting cancer-specific death in colorectal cancer
- 15.20 – 15.45 Høyer-Hansen Gunilla, Finsen Laboratory, Copenhagen:
Cleavage of uPAR; mechanism and prognostic significance
- 15.45 – 16.10 Strojan Primož, Institute of Oncology, Ljubljana:
Cathepsins and their inhibitors in head and neck cancer
- 16.10 – 16.25 Decock Julie, University Hospital Gasthuisberg, Leuven:
Matrix metalloproteinase expression analyses of human primary breast cancer tissue
- 16.30 – 17.00 Break**
- 17.00 – 19.00 Section 3: *Immune response and cancer***
Chairs: Kotnik Vladimir & Schirmacher Volker
- 17.00 – 17.25 Schirmacher Volker: German Cancer Research Center, Heidelberg:
Tumor-reactive memory T cells and their activation in cancer patients
- 17.25 – 17.50 Kirschfink Michael, University of Heidelberg, Heidelberg:
Complement resistance impairs anti-tumor therapy
- 17.50 – 18.15 Kotnik Vladimir, University of Ljubljana, Ljubljana:
The humoral and cellular mechanisms effective for killing tumor cells *in vitro*
- 18.15 – 18.30 Novaković Srdjan, Institute of Oncology, Ljubljana:
Classical tumor vaccine potently stimulates dendritic cells for the activation of naive T lymphocytes and forming of memory cell pool
- 18.30 – 18.55 Zavašnik-Bergant Tina, Jožef Stefan Institute, Ljubljana:
Microscopic techniques approach in studying protease inhibitor cystatin in immune cells
- 18.55 – 19.05 Stegel Vida, Institute of Oncology, Ljubljana
CpG oligonucleotides admixed with irradiated tumor cells are highly efficient for the tumor prevention but less effective for the treatment of existing tumors

19.00 – 20.15 **Dinner**

20.15 – 22.00 **Poster session I**

Friday, March 24, 2006

8.30 – 13.00 **Social events & personal communication**

13.00 – 14.30 **Lunch**

14.30 – 16.30 **Section 4: *Drug delivery systems in cancer therapy***
Chairs: Miklavčič Damijan & Teissière Justin

14.30 – 14.55 Serša Gregor, Institute of Oncology, Ljubljana:
Electrochemotherapy of cancer – therapeutic perspectives

14.55 – 15.20 Tozon Nataša, Veterinary Faculty, Ljubljana:
Electrochemotherapy in veterinary oncology

15.20 – 15.45 Jarm Tomaž, Faculty of Electrical Engineering, Ljubljana:
The effect of electrochemotherapy on microcirculatory blood flow in a subcutaneous tumour model as assessed with laser Doppler flowmetry

15.45 – 16.10 Miklavčič Damijan, Faculty of Electrical Engineering, Ljubljana:
Treatment planning for effective electroporation

16.10 – 16.30 Cegnar Mateja, University of Ljubljana, Ljubljana:
Nanoscale carriers facilitate delivery of protein drugs into tumour cells

16.30 – 17.00 **Break**

17.00 – 19.00 **Section 4: *Continued***
Chairs: Miklavčič Damijan & Teissière Justin

17.00 – 17.25 Čemažar Maja, Institute of Oncology, Ljubljana:
Gene delivery systems in cancer gene therapy

17.25 – 17.50 Golzio Muriel, IPBS CNRS (UMR 5089), Toulouse:
Gene expression regulation by siRNA electrotransfer

17.50 – 18.15 Rols Marie-Pierre, IPBS CNRS (UMR 5089), Toulouse:
Electropermeabilization: a non viral method for the delivery of DNA into cells

- 18.15 – 18.30 Andre Franck, Institut Gustave Roussy, Villejuif:
Electrogenetherapy in cancer
- 18.30 – 19.00 **Commercial presentation**
Mencej Matjaž, Olympus Slovenija d.d., Ljubljana:
Visible light microscopy, efficient use of techniques and solutions to common complications
- 19.00 – 20.15 **Dinner**
- 20.15 – 22.00 **Poster session II**

Saturday, March 25, 2006

- 8.30 – 10.30 **Section 5: *New drugs and therapeutic targets***
Chairs: Čemažar Maja & Tozer M. Gillian
- 8.30 – 8.55 Tozer M. Gillian, University of Sheffield, Scheffield:
Progress in tumour vascular targeting
- 8.55 – 9.20 Kanthou Chryso, University of Sheffield, Scheffield:
Tumour cell-endothelial interactions: signal pathways and therapeutic targets
- 9.20 – 9.45 Nir Uri, Bar-Ilan University, Ramat-Gan:
The Fer kinas: A novel target for prostate cancer intervention
- 9.45 – 10.10 Foekens John A., Josephine Nefkens Institute, Rotterdam:
Gene-expression and DNA-methylation profiling in breast cancer
- 10.10 – 10.25 Rømer John, Rigshospitalet, Copenhagen:
Targeting of plasminogen activation in MMTV-PymT transgenic breast cancer and in skin wound healing
- 10.30 – 11.00 **Break**
- 11.00 – 13.00 **Section 5 - *Continued***
Chairs: Bruschi Carlo V. & Krüger Achim
- 11.00 – 11.25 Bruschi Carlo V., International Centre for Genetic Engineering and Biotechnology, Trieste:

Modelling of genomic aberrations responsible for neoplastic transformation and tumor progression in yeast

- 11.25 – 11.50 Krüger Achim, Institut für Experimentelle Onkologie und
Therapieforschung, Munich:
**Functional interdependence of natural protease inhibitor
overexpression in the host: liver metastasis-promoting effects of
TIMP-1 and Cystatin C counteracted by PAI-2**
- 11.50 – 12.15 Mackay Andrew R., University of L'Aquila, L'Aquila:
**TrkAIII: A tumor promoting switch of potential importance in
neuroblastoma and glioblastoma multiforme**
- 12.15 – 12.40 María Beatriz Durán Alonso, National Institute of Biology,
Ljubljana:
Antiprotease therapy in cancer: hot or not?
- 12.40 – 12.55 Amberger-Murphy Verena, Dublin City University, Dublin:
A three-dimensional *in vitro* model to study invasion
- 13.00 – 14.30 Lunch**
- 14.30 – 16.30 Section 5: Continued**
Chairs: Komel Radovan & Bjerkvig Rolf
- 14.30 – 14.55 Komel Radovan, University of Ljubljana, Ljubljana:
**Functional genomics and systems biology for studying
oncogenesis**
- 14.55 – 15.20 Bjerkvig Rolf, University of Bergen, Bergen:
**Angiogenesis independent growth mediated by glioma stem
cells**
- 15.20 – 15.45 Moin Kamiar, Wayne State University School of Medicine, Detroit:
Tumor proteolysis: a multidimensional approach
- 15.45 – 16.10 Levičar Nataša, Imperial College London, London:
Stem cell therapy for liver insufficiency
- 16.10 – 16.25 Strojnik Tadej, Maribor Teaching Hospital, Maribor:
**Experimental model and immunohistochemical analyses of U87
human glioblastoma cells xenografts in the immunosuppressed
rat brains**
- 16.25 – 16.40 Černe Darko, University of Primorska, Izola:

Increased plasma DNA concentration in patients with lung cancer

16.45 – 17.30 Break

17.30 – 18.30 Closing lecture:

Chair: Lah Turnšek Tamara

Platika Doros.

Leveraging a flat world: novel models for effective translational research. Product generation and commercialization in oncology.

18.30 – 19.00 Closing of the meeting

19.00 – 20.15 Break

20.15 Farewell dinner

