

**Systems biology of cancer
Glioblastoma vs. colorectal cancer**

**Workshop of the BMBF projects SYSTHER and ColoNET
www.systher.eu and www.colonet.de**

**Klinikum der Ludwig-Maximilians-Universität München (LMU) – Großhadern
Neurochirurgische Klinik und Poliklinik**

Sept 30 – Oct 2, 2010

Organizers:

**Christian Schichor, LMU / SYSTHER
Jörg-Christian Tonn, LMU / SYSTHER
Christine Sers, Charité / ColoNET
Reinhold Schäfer, Charité / ColoNET
Joachim Selbig, University of Potsdam / SYSTHER, ColoNET**

Guest speakers :

**Rolf Bjerkvig
University of Bergen, The NorLux Neuro-Oncological Research Group, Norway**

**Helen Byrne
The University of Nottingham, School of Mathematical Sciences, UK**

**Eyal Gottlieb
The Beatson Institute for Cancer Research, Glasgow, UK**

**Doug Lauffenburger
Massachusetts Institute of Technology, Cambridge, U.S.A.**

Program

Thursday, Sep 30, 2010

14:00 **Opening**
J.-C. Tonn, LMU
C. Sers, ColoNET
J. Selbig, SYSTHER

First session

Chair: J.-C. Tonn

14:30 **Invited lecture**
D. Lauffenburger

15:30 **P.-M. Schlag, Charité / ColoNET**
TBA

Coffee

16:30 **C. Sers / R. Schäfer, Charité /ColoNET**
Pathway interference in colorectal cancer

Dinner

Friday, Oct 1, 2010

Second session

Chair: C. Sers

9:00 **Invited lecture**
E. Gottlieb

10:00 **C. Schichor, LMU / SYSTHER**
Glioblastoma multiforme - a „tumour model“?

Coffee

11:00 **M. OrGuil, HUB / SYSTHER**
Towards serological diagnostics of brain tumour

12:00 **K. Gruden, NIB Ljubljana / SYSTHER**
A baseline for tumour studies - the Slovenian healthy study

Lunch

Third session

Chair: J. Selbig

14:00 **Invited lecture**
R. Bjerkvig

15:00 **K. Jürchott / J. Selbig, UP / SYSTHER**
Immune system-related gene expression in glioblastoma

Coffee

16:00 **T. Lah, NIB Ljubljana / SYSTHER**
Human mesenchymal stem cells in cancer therapy

17:00 **J. Schuchhardt / A. Malik, MD / SYSTHER, ColoNET**
SystherDB and ColoBASE: Database management in systems biology

Dinner

Saturday, Oct 2, 2010

Fourth session

Chair: T. Lah

9:00 **Invited lecture**
H. Burne

10:00 **Fichtner, MDC Berlin / ColoNET**
Mouse Xenograft models for colorectal cancer

Coffee

11:00 **J. Walther, Universität des Saarlandes, Saarbrücken / ColoNET**
High throughput analysis of epigenetic modifications in colorectal cancer

12:00 **E. Klipp / N. Blüthgen, HUB / ColoNET**
Towards colon-specific network modeling

Lunch

“Oktoberfest”