Teaching courses organized jointly by
The Graduate School of Pharmaceutical Sciences (FNRS)
The Graduate School of Experimental Oncology (FNRS)

Evaluation of the efficacy of anti-cancer drugs in vivo in experimental cancer therapy

Friday February 15, 2008

Université catholique de Louvain, Faculté de Médecine, Auditoire Joseph Maisin
Avenue Mounier 1200 Bruxelles

10-10.30. Registration

10.30 B. Gallez
Welcome

10.35 JF Baurain (Université catholique de Louvain)
Markers of the immune response in cancer vaccination

11.05 RJ Gillies (Arizona Cancer Center, Tucson, USA)
Mouse models for imaging of human cancer

11.35 M. Krause (Dresden, Germany)
How to interpret the effect on tumor of therapies by growth assays and tumor control assays

12.30 Lunch (sandwiches and drinks will be provided)

13.30 P. Sonveaux (Université catholique de Louvain)
Window chambers to assess dynamic processes in the tumor vascularization

14.00 RJ Gillies (Arizona Cancer Center, Tucson, USA)
Using imaging in drug development

15.00 Coffee Break

15.30 A.Noël (Université de Liège)
The matrix-inserted surface transplantation model as an in vivo assay used to analyse the kinetics of tumor-vessel interactions

16.00 V. Grégoire (Université catholique de Louvain)
What is needed to convince a clinician to start a pilot clinical trial?

16.30 Concluding remarks - Adjournment

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Educational objectives

“From new technologies to innovative applications”

At the end of this one-day program, the PhD student (with a background in pharmacy, biomedical sciences or biology, but without former background in a specific methodology) should be able to:

- understand the challenges for a transfer of in vitro data to an in vivo situation
- understand and discuss the value of different types of tumor models
- know how to assess qualitatively and quantitatively the efficacy of drugs acting as anti-tumor agents or sensitizers of cytotoxic therapies
- understand the principles, the advantages and limits of methods able to tackle specific modern approaches in anti-cancer strategy (angiogenesis, tumor perfusion, immunotherapy, biomarkers of tumor response,...)
- discuss some recent applications in cancer research that have gained from these technological breakthroughs
- appreciate the clear needs of clinicians to transfer promising drugs identified in animal models to start first clinical trials

Note for attendees:
Some other techniques will also be presented during the one-day symposium of the BACR (Belgian Association for Cancer Research, on Saturday February 16, same place).

Note for lecturers:
The aim is to provide to young researchers (PhD students working in pharmaceutical sciences or in experimental oncology) an overview of basic issues on experimental models and techniques that may be useful when assessing the efficacy in vivo (in animals and/or early phase clinical trials) of an anti-cancer drug. The purpose is therefore to be didactic, with clear emphasis on methods and technologies, with an illustration with recent research examples illustrating the power and limitations of the approaches.

This meeting is supported by the FSR (Université catholique de Louvain) and the FNRS.
Registration

Registration is **free of charge**, but **is mandatory** for the logistics (lunch).

Please send an e-mail **before February 7, 2008** to:

**bernard.gallez@uclouvain.be**

Subject: Vivo Cancer – Doctoral School

With the following information:

Name:
Fist name:
Institution:
e-mail:

I will participate to the February 15th meeting entitled: “Evaluation of the efficacy of anti-cancer drugs in vivo in experimental cancer therapy”.

I need / I do not need a certificate of participation
How to reach us?

By train, subway, car, airplane
http://www.uclouvain.be/6722.html

General map of the faculty of Medicine
http://www.uclouvain.be/68220.html

Detailed map of the Faculty of Medicine

The meeting will be in the Auditoire Joseph Maisin (Auditoires Centraux), Faculté de Médecine, Avenue Mounier, 1200 Brussels.