



# MASTER CLASS IN TRANSLATIONAL CANCER RESEARCH

JUNE 24<sup>TH</sup> & 25<sup>TH</sup> 2010

DUBLIN REGION HIGHER EDUCATION ALLIANCE GRADUATE PROGRAMME

As part of the Dublin Region Higher Education Alliance Graduate Programme, the National Institute for Cellular Biotechnology in Dublin City University, in collaboration with Molecular Therapeutics for Cancer Ireland, MTCI, and the All Ireland Cooperative Oncology Research Group, ICORG, is hosting a module (Credit Rating 2.5) covering the background, practicalities and perspectives associated with the emerging field of translational cancer research. This module will run for 2 days, from June 24<sup>th</sup> to 25<sup>th</sup> 2010, and will be held in the seminar room of the NICB at Dublin City University.

**Spaces will be limited**

**Those interested in attending should complete the attached application form and e-mail:**

**[nicb.drhea@dcu.ie](mailto:nicb.drhea@dcu.ie) Please see application procedure on next page**

*"This initiative is part of the Dublin Region Higher Education Alliance (DRHEA) graduate strand funded by cycle II of the Strategic Innovation Fund".*

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## DRAFT PROGRAM

This module aims to give an informed perspective for postgraduate students who are or are planning to become involved in the complex area of translational cancer research – making use of human material to derive and validate emerging cancer hypotheses and drive new patient-focussed treatment advances. The outline curriculum is provided below.

The basic science of cancer and its treatment	Causes, mechanisms, epidemiology and etiology of cancer, treatment modes, how and why they work challenges with cancer treatments
Diagnosis Prognosis and Staging of cancer	How cancer is diagnosed and staged and what material is available for research
Summary of emerging tools and resources relevant to cancer drug development	How translational research is impacting cancer drug development
Antibodies in cancer research	Applications and use of antibodies in cancer research
Proteomic methods in cancer research	Applications and procedures in translational cancer proteomics
Transcriptomic methods in cancer research	Applications and procedures in translational cancer transcriptomics
The modern cancer drug development process	Clinical stages in the evolution of new cancer treatments
The industry perspective on cancer drug development	The research realities for cancer drug development
ICORG – Ireland’s National Clinical Cancer Research Network	Details on the operations and goals of ICORG delivering a national clinical cancer research network
Practical issues at the patient Interface	Translational research from the research nurse perspective
Protocol development and submission	Basic issues dealing with and developing translational protocols
Ethics committees	Translational research considerations from the perspective of the ethics committee

## APPLICATION PROCEDURE

APPLICATIONS BY **Friday June 11th<sup>TH</sup>** BY E-MAIL TO: [NICB.DRHEA@DCU.IE](mailto:NICB.DRHEA@DCU.IE)

Please complete the attached application form.

Priority will be given to Ph.D. students in the DRHEA partner colleges. Applications from other researchers will be considered if places remain available.

(Course limited to 40 to facilitate maximum interaction. Late applications will be considered only if places remain unfilled).



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June 24<sup>th</sup> & 25<sup>th</sup> 2010

### Application Form

Please fill in the following application form and return to [nicb.drhea@dcu.ie](mailto:nicb.drhea@dcu.ie)

*Your supervisor's recommendation letter can be completed in this form or attached as a separate file to your application e-mail.*

<b>Name:</b>
<b>Institution:</b>
<b>Student Number:</b>
<b>Postgraduate Status:</b>
<b>Supervisor:</b>
<b>Address:</b>

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Reason why you would like to attend this course (Maximum 400 words)

Empty text box for response.

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**Letter of Recommendation from Supervisor**

*Your supervisor's recommendation letter can be completed in this form or attached as a separate file to your application e-mail.*

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