

DRHEA Masterclass in **Translational Cancer Research**

A two day course outlining the principles and practice of modern multidisciplinary translational cancer research.

Venue: NICB Seminar Room, Dublin City University

Date: Friday 19th & 26th April 2013

Attendance: you must register through

nicb.drhea@dcu.ie

by April 8th. Attendance is limited and on “a first come first served basis” to those engaged in cancer research.

The registration charge for non-DRHEA attendees is €200

For students from DRHEA-linked colleges, this course has credit rating of 2.5.

Cancer research is making rapid advances through interdisciplinary collaborations between science, medicine and industry.

Led by leading researchers from translational cancer research disciplines, this class will give students, scientists, clinicians, nurses and pharma industry representatives an understanding of practice, perspectives and pitfalls in a modern translational cancer research effort.



Masterclass in Translational Cancer Research – Draft Programme

April 19th and 26th 2013, NICB Seminar room, Dublin City University

Course Schedule

Date		Friday April 19th	
Time	Title	Concept	Speaker
9.00-9.15	Registration		
9.15-9.30	Welcome and Introduction	Welcome and setting the scene	Dr. Robert O'Connor, Senior Programme Leader in Translational Cancer Pharmacology, NICB. Chair, Translational group, ICORG, Lecturer, School of Nursing & Human Sciences, DCU
9.30-10.15	Introduction to Translational Cancer Research	Background and challenges in Translational Cancer Research	Dr. Robert O'Connor
10.15 -10.30	Coffee break		
10.30-11.15	ICORG – Ireland's National Clinical Cancer Research Network	Operations and research role of ICORG	Ms. Tanya O'Shea, Clinical Project Manager, ICORG
11.15-12.00	Translational Protocol development	Basic issues developing translational protocols	Dr. Verena Murphy, Translational Research Manager, ICORG & MTCI
12.00-12.45	Pharmacy and Pharmaceutical Considerations in Translational Research	Translational and early stage clinical trial research from the perspective of a hospital pharmacist	Ms. Anne Marie De Frein, Chief Pharmacist (Aseptics), Pharmacy Dept., St. Vincent's University Hospital
12.45-1.30	Lunch break		
1.30-2.15	Ethics committees	Translational research considerations from the perspective of the ECs	Ms. Gillian Vale, Administrator, Beaumont Hospital Ethics Committee
2.15-3.00	Mutation Analysis in Translational research	How to identify mutation in cancer tissue	Dr. Sinead Toomey, Researcher, Dept of Medical Oncology, RCSI
3-3.15	Coffee break		
3.15-4.00	Transcriptomic methods in cancer research	Applications and procedures in translational cancer transcriptomics	Dr. Sinead Aherne, Transcriptional Researcher, NICB
4.00-4.45	Proteomic methods in cancer research	Applications and procedures in translational cancer proteomics	Dr. Paul Dowling, Programme Leader in Clinical Proteomics, NICB
4.45 – 5.30	Data analysis of 'omics data for translational cancer research	Dealing with the numerical, statistical and practical pitfalls of data analysis in practical translational cancer research	Dr. Colin Clarke, Bioinformatics Researcher

Date		Friday April 26th	
Time	Title	Concept	Speaker
9.00 -9.30	Summary of emerging tools & resources relevant to cancer drug development	The modern cancer drug development process	Dr. Robert O'Connor
9.30-10.15	The industry perspective on cancer drug development & translational research	The research realities for cancer drug development from an Irish Pharma Affiliate perspective	Grainne Power, Head of Clinical Operations – Ireland, GSK Ireland
10.15-10.30	Coffee Break		
10.30- 11.15	Translational Clinical trial design	A clinician's perspective on the rationale and design of translational clinical trials	Dr. Ray McDermott, Medical Oncologist, AMNCH, Chairman, ICORG
11.15- 12.00	Practical issues at the patient Interface	Translational research from the research nurse perspective	Ms. Jo Ballot, Senior Research Nurse, Dept of Medical Oncology, SVUH
12.00-12.45	Antibodies in translational cancer research	Applications and use of antibodies in cancer research	Dr. AnneMarie Larkin, Senior Research Scientist - Monoclonal Antibody Research Programme, NICB
12.45 – 1.30	Lunch break		
1.30-2.15	Clinical Research in Cancer	Perspectives on how cancer is treated and researched	Senator, Prof. John Crown, Medical Oncologist, SVUH; Director -MTCI
2.15-3.00	Diagnosis Prognosis and Staging of cancer	How cancer is diagnosed and staged and what material is available for research	Prof. Susan Kennedy, Consultant Pathologist, SVUH/RVEEH
3.00-3.15	Coffee Break		
3.15–4.00	Biomarker development	Development and discussion of practicalities cancer biomarkers	Prof. Joe Duffy, St Vincent's University Hospital and University College, Dublin
4.00 -4.15	Course summary, wrap up and conclusion	What are the issues and what can be done to make translational research easier?	Dr. Robert O'Connor
4.15-4.30	MCQ –based assessment	Compulsory examination for those looking for DRHEA course credit	
4.30 close			

Please note: Schedule may be subject to change and programme times are approximate.

Students from DRHEA colleges looking for the 2.5 credit rating must register with DCU, as per DRHEA requirements and successfully pass the MCQ examination

Contact Dr. Robert O'Connor on NICB.DRHEA@dcu.ie for further details and to reserve a place.

Course arrangements:

Cost: Places on this course are limited and are only secured on a “first come, first served basis” upon payment of a course fee of €200 per attendee. This will include catering and electronic copies of all overheads provided by the speakers (to be provided after completion). Payment will be accepted by Euro cheque or Euro bank draft, payable to "Dublin City University". Payment can also be made by electronic bank transfer.

This charge will be waived for students and those attending under the DRHEA scheme (this includes those coming from partner academic and medical institutions).

Catering: Teas, coffees lunch etc. will be provided during this course. Additional eating facilities are also available nearby.

Location: The masterclass will take place in the seminar room of the NICB at Dublin City University, see map for directions.

