



US Economic Envoy Visit to CCRCB

The United States Special Economic Envoy to Northern Ireland, Declan Kelly, visited the Centre for Cancer Research and Cell Biology and met with senior representatives from the leading Northern Ireland company Almac. The Centre's pioneering reputation has attracted high quality clinicians and scientists from around the world and has led to the creation of unique international partnerships with leading global institutions, in particular the US National Cancer Institute in Maryland.

The Centre is the role model for the development of an Institute of Health Sciences which will play a major part in Queen's aim to become a Global Top 100 university within five years.

Mr Kelly said: "Investment commitments in Northern Ireland from world-leading companies are underpinned by a confidence in the region's skills base. As I continue to work to try to bring Northern Ireland to the attention of the US business community, I am helped by the academic and research excellence that is very evident at Queen's University. Its commitment to entrepreneurialism education and its strategic commercial linkages, such as its collaboration in the life sciences field with the Almac Group, can greatly assist Northern Ireland's competitive advantage in attracting more high-value, wealth-creating jobs."

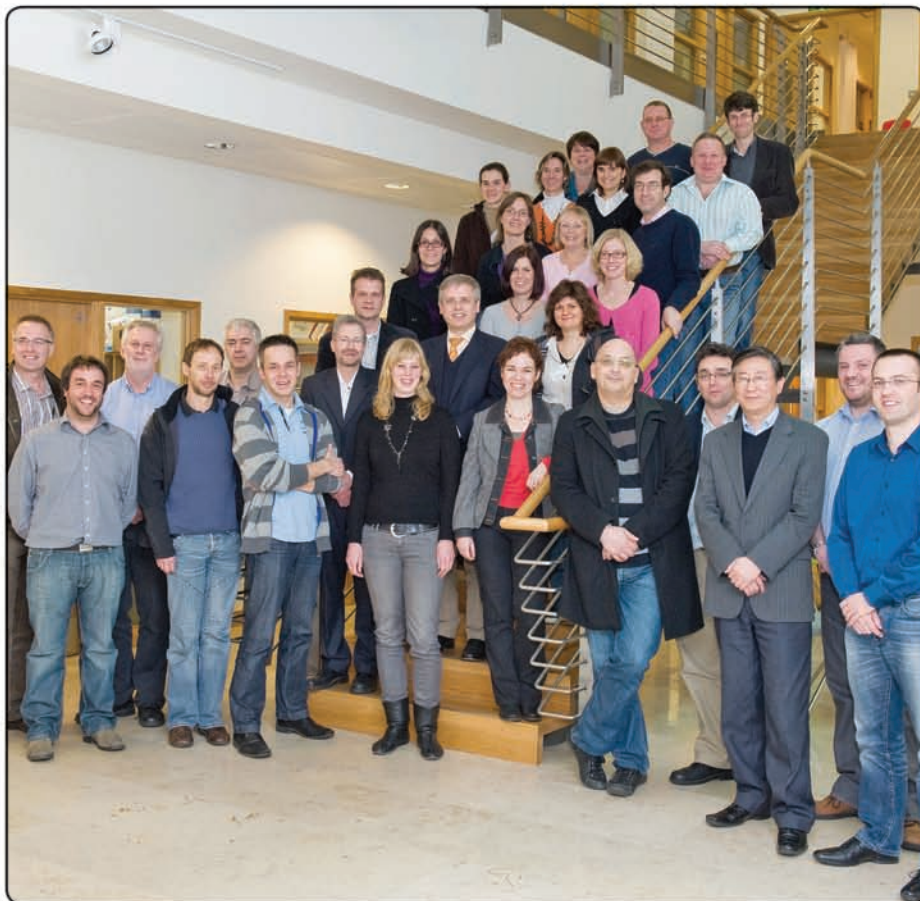


L-R: United States Special Economic Envoy to Northern Ireland, Declan Kelly with Queen's Vice-Chancellor Professor Peter Gregson

Conference Workshop

The nineteenth meeting of the Euroclonality/Biomed2 workshop met in the CCRCB on 18-20 March 2010. Members of the group from UK, France, Spain, Portugal, Netherlands, Sweden and Germany attended the workshop and all were impressed by Belfast and the CCRCB facilities. The European BIOMED-2 collaborative study (which included Professor Ken Mills), started in 1997, developed multiplex PCR assays and standardised for the detection of clonally rearranged immunoglobulin (Ig) and T-cell receptor (TCR) genes. The detection rate of clonal rearrangements using the BIOMED-2 primer sets is unprecedentedly high. The BIOMED-2 clonality assays are the accepted standard used for detection of clonality in lymphoproliferative disorders.

The BIOMED-2 study group continues collaboration under the name EuroClonality. The EuroClonality Consortium focuses on educational activities for Ig/TCR clonality testing, on quality control and development of guidelines for the performance and evaluation of diagnostic clonality testing. The next meeting will be held in Kiel.



Members of the Euroclonality/Biomed2 workshop

Quantitative Biology and Bioinformatics for Modern Medicine Conference

The first international conference in Quantitative Biology and Bioinformatics for Modern Medicine was held from 1-2 March 2010. The meeting was hosted by Queen's University at the Great Hall and organised by Dr Frank Emmert-Streib and Professor Peter Hamilton from the Centre for Cancer Research and Cell Biology (CCRCB).

The meeting was supported by the Department for Learning and Employment (DEL), as part of an initiative to strengthen the all-island research base and the Centre for Cancer Research and Cell Biology (CCRCB). The aim of the event was to gather leading scientists from distinguished national and international research institutes in Belfast to discuss recent advances in bioinformatics, develop new ideas and build partnerships. Visitors from all over the world travelled to Belfast for this conference including scientists from the University of Cambridge (UK), Harvard University (USA) and University College Dublin (Ireland).

It was the first event of its kind in Belfast and recognises the important part that Queen's is playing in this rapidly developing area. In biological and medical research, and with advances in genetic and molecular techniques, the volumes of data that one must deal with are increasing exponentially. Being able to analyse these enormous, complex data sets and extract useful information from them using novel statistical, computer-based methods, is at the heart of Bioinformatics. A newly formed team of researchers at Queen's is leading the way in Cancer Bioinformatics by identifying new genetic and cellular markers of cancer, aimed at understanding basic molecular networks and improving patient diagnosis and targeted therapies for cancer. Professor Hamilton said: "This is an important event at Queen's. Bioinformatics will be the key to unravelling the complexities of cancer as a disease and already

underpins so many aspects of cancer research. Having the first meeting of this type at Queen's demonstrates the lead the team are taking in this field."

The second international conference in Quantitative Biology and Bioinformatics for Modern Medicine is anticipated to take place in Dublin in February 2011.



Back (L-R): Des Higgins, John Quackenbush, Alvis Brazma, Sach Mukherjee, Leszek Gasieniec
Bottom (L-R): Simon Tavaré, Stephen Pennington, David Jones, Peter Hamilton, Frank Emmert-Streib, Shu-Dong Zhang

Breakfast in Ballycastle, Lunch in Donaghadee, Dinner in Omagh

Scientists from CCRCB have been travelling the length and breadth of Northern Ireland to meet Cancer Research UK supporters recently. Sukanya Suresh and Kyle Matchett helped the Ballycastle fundraising committee to make their Big Breakfast event a great success while later this month Dr Sandra Irvine will be dropping in to have lunch with supporters in Donaghadee Golf Club and other researchers will be attending Big Breakfasts in Newtownards and Newry. These opportunities provide Cancer Research UK funded scientists the ideal opportunity to talk about their research and the new Cancer Research UK Centre in Belfast.

Five home grown researchers and research nurses attended the North West supporters' evening conference in Omagh. Dr Jonathan Coulter (School of Pharmacy), who himself comes from Cookstown, spoke about his ground-breaking work in gold nano-particles and Diane Taylor, the research nurse in Altnagelvin Hospital and part funded

by CR-UK, told the audience about her work supporting patients in Derry and beyond through clinical trials. The supporters love to hear a local accent and realise that the money they raise is supporting science locally.



Gail Carson, Jonny Coulter, Diane Taylor and Sinead Gallagher pictured with representatives from CR-UK Committees from the North West

£15,000 Boost for Breast Cancer Research

A ground-breaking breast cancer research project based at Queen's has received a £15,000 boost from

Hallmark Cards as part of its annual Cards for a Cure™ campaign for Mother's Day 2010. Led by Dr Jennifer Quinn and Elisabeth Lamers from the Centre for Cancer Research and Cell Biology at Queen's, the project is investigating why some people are resistant to chemotherapy for breast cancer treatment with a hope of one day being able to only prescribe this treatment to the patients that it will definitely benefit.

Dr Quinn said: "This is a huge sum of money and we are extremely grateful to Hallmark for continuing to support Breast Cancer Campaign, which in turn benefits the important work that we do. With previous Breast Cancer Campaign funding, we discovered that people who have a working copy of the breast cancer susceptibility gene BRCA1 do not respond well to some chemotherapy drugs. This new research is therefore hoping to find out why this happens so that patients could be tested for this gene prior to receiving chemotherapy, to ensure only people who are likely to respond to treatment actually receive it."

Tamsyn Johnston, Communications Manager at Hallmark Cards, said: "Breast Cancer is the most common cancer in the UK and affects many

thousands of women and a number of men every year, as well as impacting on the lives of friends and family. It is for this reason that the research being carried out by Queen's is so significant as crucially it may one day help to find a cure for people with breast cancer worldwide. Our Cards for a Cure™ campaign donation directly benefits this on-the-ground research and is vital to ensuring that it can continue."

In its fourth year, Cards for a Cure™ has now donated a massive £1 million to Breast Cancer Campaign's UK wide research projects and Action Breast Cancer, a programme of the Irish Cancer Society, since 2007.

Cancer Prevention Fellowship – Dr Paula Hyland



Dr Paula Hyland

Congratulations to Dr Paula Hyland who has taken up her new post as a Cancer Prevention Fellow in the Genetic Epidemiology Branch (GEB) at the National Cancer Institute (NCI) in Bethesda, US. Paula graduated from the University of Ulster (UU), Coleraine with a first-class honours degree in Biomedical Sciences. She obtained her PhD from Coleraine, studying the effects of dNTP pool imbalances on DNA replication and repair fidelity. As a postgraduate she earned a PGCHET in Higher Education Teaching in 2003 and a Certificate in Management Studies with Distinction from Queen's University Belfast in 2007.

After completing her PhD, Paula worked as a Research Fellow at Queen's. She worked with the Clinical Trials Group and the Pain and Inflammation Research Group in Oral Medicine within the School of Dentistry, and the Ovarian Cancer Research Group in the Centre for

Cancer Research and Cell Biology (CCRCB). In January 2008, Paula joined the laboratory of Professor Dennis McCance (Director of CCRCB) and was awarded the 2008 Cancer Prevention Fellowship Programme (CPFP) career development award by the NCI and the HSC Research and Development Office, Northern Ireland (NI).

This five year programme is part of the Ireland—Northern Ireland—NCI Cancer Consortium. It trains young investigators in the development of independent research programmes, with a focus on cancer prevention strategies in a particular cancer(s) of choice. It provides state-of-the-art training on both sides of the Atlantic and aims to educate and produce future leaders in cancer prevention research and control. The programme involves earning a Masters in Public Health (MPH) in Northern Ireland in the first year, followed by three years of research training at the NCI, with a final year at Queen's as an independent investigator under the mentorship of Professor McCance.

Paula completed the first part of her training in December 2009, being awarded a MPH with Distinction from the UKCRC Centre of Excellence (CoE) for Public Health (NI) at Queen's. During this time and in collaboration with Professor Liam Murray (CoE) she investigated the association of single nucleotide polymorphisms (SNPs) in epithelial morphogenetic genes as potential biomarkers of risk of developing oesophageal adenocarcinoma (OAC) and Barrett's oesophagus (the pre-malignant stage of OAC). Results from this study highlighted a specific mucin SNP which may provide protection against development of Barrett's and could potentially stratify the need for endoscopy surveillance in the future. During her MPH, Paula also continued her research with her mentor Professor McCance, investigating the deregulation of the chromatin enzyme EZH2 in epithelial cells. This work has led to an ongoing research investigation with Professor Liam Murray and clinicians and pathologists from the Belfast Health and Social Care Trust. This collaborative study aims to evaluate the potential of EZH2 as a risk and/or prognostic marker for OAC.

Paula is particularly interested in researching oesophageal cancer and/or OAC. She adds that cancer prevention has become a new frontier for cancer research. Cancer control today and

in the future aims to be predictive, personalised (as well as participatory for the patient), but also preventative. Using her strong background in basic science and molecular biology, she hopes to identify causes and/or biological markers of oesophageal cancer with a view to preventing its development. At the NCI, Paula will be working under the mentorship of Dr Philip Taylor (GEB) investigating the molecular epidemiology of upper gastrointestinal (UGI) cancers. She will be evaluating: the relationship of selected gene pathways to risk of oesophageal cancer using SNP data from the UGI cancer iSelect and genome-wide association studies (GWAS) data sets; protein biomarkers with survival in UGI cancers; and mRNA and microRNA expression in Barrett's from the Barrett's Oesophagus Early Detection Study. Paula also hopes to participate in the prospective international GWAS for OAC.

Researcher presents at House of Commons

A research fellow from Queen's has presented her scientific research on cancer at the House of Commons.

Dr Ching-Wei Wang from the Centre for Cancer Research and Cell Biology joined other early-career scientists from across the country to compete in a national scientific poster competition at the House of Commons.

The competition called SET for Britain gives early-stage and early-career research scientists, engineers and technologists the opportunity to present their work to their local MPs and their scientific peers. All posters are entered into a competition and significant cash prizes and medals are awarded for the poster that best communicates its science.



Dr Ching-Wei Wang from the Centre for Cancer Research and Cell Biology

Dr Wang's poster related to her research into a new robust diagnosis technology for optimising therapy for Non-Small Cell Lung Cancer (NSCLC) patients. NSCLC is a highly drug resistant cancer and response rates are poor.

Dr Wang said: "I really enjoyed taking part in SET for Britain. It was very interesting to meet other early-career researchers and hear about their work."

The SET for Britain Poster Exhibition is divided up into three sections: Physical Sciences (Chemistry and Physics); Biological and Biomedical Science; and Engineering, with a £3,000 cash prize and medal awarded to the best poster in each category. An overall medal in memory of the competition founder, Dr Eric Wharton, is awarded to the poster judged best across all categories on the day.



Students using i-Path software

i-Path Diagnostics in US Export Breakthrough

A Queen's spin-out company has won its first business in the huge US marketplace. i-Path Diagnostics Ltd., the Belfast-based pioneer in virtual microscopy, is providing its revolutionary software for diagnostic pathology to the University of Michigan.

The company, which has received funding support from Crescent Capital, Invest NI and QUBIS, is to work with researchers at the US University's veterinary school on a major project involving the creation of a digital catalogue of over 1,000 slides on animal cancers. i-Path's innovative technology will enable researchers at the University and elsewhere to access the catalogue on-line at any time from any location.

Stuart Harvey, Managing Director of i-Path Diagnostics, describes the agreement with the University of Michigan as "an important strategic breakthrough in a key target market. The contract in Michigan gives us an essential and prestigious reference site that we can use to turn the many inquiries that we have received from the US into firm contracts. There's a growing recognition in the US and other global markets that our technology is unique.

"Our technology brings pathology into the digital age and makes it much easier for pathologists to diagnose conditions and to communicate with each other on a global basis. Instead of sending a glass slide by parcel post to a colleague for consultation,

a pathologist can now supply an internet link to our server for study. Our software makes the whole pathology process much easier, from diagnosis to the storage of slide libraries, which now can be accessed faster by researchers. The digital slides can be viewed and discussed by pathologists and researchers anywhere in the world" he adds.

i-Path was co-founded in 2004 by Professor Peter Hamilton, CCRCB, who has led research on computer vision and decision support in diagnostic cancer pathology over the past 20 years. The company currently employs 12 people.

CCRCB Photo Gallery

April 2010



Professor Ken Mills presents student Claire Meharg with her prize for obtaining the highest score in the module 'Cellular and Molecular Haematology'



Dr Sandra Irvine CCRCB collecting a cheque on behalf of the Leukaemia and Lymphoma Research Fund (LAK) from young leukaemia patient Luke Harkin and his parents at the Royal Belfast Hospital for Sick Children in December 2009

Pupils Shown Science Behind Cancer Research

Sixth formers got a unique insight into the science behind cancer research at Queen's Centre for Cancer Research and Cell Biology (CCRCB).

The event gave AS-level students the chance to gain practical experience and learn more about a career in science from experienced world-class research scientists. Director of the Centre, Professor Dennis McCance, explained: "The aim of the event is to encourage students to consider a career in cancer research. They will have the opportunity to experience cutting edge technology first hand and will

take part in practical sessions." Twenty-five students from nine schools in and around Belfast attended the event which is part of the Centre's ongoing commitment to engage the public in its work and further science education.

The researchers based at the Centre work closely with Cancer Research UK and other partners, carrying out research into cancer and taking research all the way from the laboratory to the patient's bedside.

Part of the strategy for the Belfast Cancer Research UK Centre is to train

and support the research workforce of the future and encourage the best possible students to pursue a career in medical research.

The cross-faculty, interdisciplinary research centre has over 220 clinical and basic researchers from across the world. These researchers are developing new avenues for the prevention, diagnosis and treatment of cancer.

To view the QTV feature on this event visit www.qub.ac.uk/qtv



CR-UK Researcher Dr Kienan Savage with two of the pupils who attended the event

Old Tyme Dance Evening Raises £1,230 for N.I. Leukaemia Research Fund

The old tyme dance held in Lislimnaghan Parish Hall on 23 September 2009 raised a total of £1,230 for N.I. Leukaemia Research Fund, Centre for Cancer Research and Cell Biology.

Professor Terry Lappin OBE, Deputy Director of the Centre, Mrs Frances Parker, Secretary of the N.I. Leukaemia Research Fund and Mrs Linda Megrath, Secretary to the Director of the Centre, travelled from Belfast to join the dancers and friends for the evening. The music was provided by Manola Old Tyme Dance Band, Killyleagh, Co Down and was thoroughly enjoyed by all.

The organisers Billy and Joan McGonigle wish to sincerely thank everyone who supported them in their efforts in making the evening a resounding success.



Professor Terry Lappin, Mrs Linda Megrath and Mrs Frances Parker from CCRCB with event organisers Mr Billy McGonigle (first left) and Mrs Joan McGonigle (third right)

Recent Grants Awarded

Investigator(s):

Dan Longley/Dean Fennell

Sponsor:

British Lung Foundation

Title:

Prognostic, Predictive and Therapeutic Relevance of Death Receptor Signalling in Non-Small Cell Lung Cancer

Amount: £147,941

Period: 01/03/10 - 31/08/12

Investigator(s):

Tom Flannery

Sponsor:

Mason Medical Foundation

Title:

Investigate the Effects of Cathepsin Inhibitors as an Anti-invasive Strategy in an Orthotopic Mouse Glioma Model

Amount: £10,000

Period: 01/05/10 - 30/04/13

Investigator(s):

Jackie James/Peter Hamilton

Sponsor:

Friends of the Cancer Centre

Title:

Purchase of a MacroPath Imaging System

Amount: £12,913

Period: 01/01/10 - 31/12/10

Investigator(s):

Terry Lappin

Sponsor:

Elimination of the Leukaemia Fund

Title:

The Role of the Erythropoietin Receptor in TEL/AML 1-positive Acute Lymphoblastic Leukaemia (Funding for Post Doctoral Research Fellow – Dr Vivien Hodges)

Amount: £22,800

Period: 01/04/10 - 30/09/10

Investigator(s):

Paul Harkin

Sponsor:

Almac Diagnostics

Title:

Therapeutic Target Identification and Validation

Amount: £35,624

Period: 01/04/10 - 31/12/10

Investigator(s):

Joe O'Sullivan/Kevin Prise

Sponsor:

Friends of the Cancer Centre

Title:

Clinical Research Fellow in Clinical (Radiation) Oncology

Amount: £180,000

Period: 01/09/10 - 31/08/13

Investigator(s):

Joe O'Sullivan

Sponsor:

Friends of the Cancer Centre

Title:

Senior Lecturer/Consultant in Clinical (Radiation) Oncology

Amount: £500,000

Period: 01/10/10 - 30/09/15

Investigator(s):

Ken Mills

Sponsor:

Northern Ireland Leukaemia Research Fund

Title:

Summer Studentships

Amount: £1,200 x 4

Period: 01/07/10 - 31/08/10

Race for Life and Relay for Life 2010

Registration is now open for the 2010 Cancer Research UK Race for Life and Relays for Life. The Belfast Race for Life will take place this year on Sunday 30 May at Stormont. At last year's event in Belfast 5,000 women raised more than £366,000, 16 scientists from CCRCB went along to offer their support/give out medals and six more volunteered at the event on the day.

There are also going to be four 24 hour long Relay for Life events across Northern Ireland in the summer months, taking place in Banbridge, Irvinestown, Ballymena and Belfast. The Belfast event is new this year, taking place on Saturday 19 June at Malone Playing Fields and being organised by CCRCB scientists Dr Kieran Savage and Professor Peter Hamilton. So why not register to take part in one of the events (www.raceforlife.org and www.cancerresearchuk.org/relay/) or contact Helen Barnes (helen.barnes@cancer.org.uk) if you would like to volunteer to help at an event.



CCRCB scientists leading off the 2009 Belfast Race for Life

Summer Research Programme 2009 - Brittany Forcione

Brittany Forcione is eagerly preparing for the next step towards her dream of becoming a doctor and medical researcher as she keeps busy with her final semester of senior year at Nazareth. She just scored above the 90th percentile in the nation on her senior comprehensive exam and she is currently working in a lab at the University of Rochester that focuses on leukaemia research.

Brittany, a biology major with a dual minor in chemistry and psychology (and pre-med concentration), got a jump start on her career last summer when she earned a prestigious research studentship studying skin cancer at the Centre for Cancer Research and Cell Biology (CCRCB). It was a paid position in a field that not many undergraduates have a chance to get involved in. "The professors in the biology and chemistry departments [at Nazareth] challenge students and teach

them the significance of science in our world today" said Brittany. "Because of their motivation and enthusiasm, I sought and secured the position in Northern Ireland."

Brittany's research experience at CCRCB made her realise her passion for research and she is actively looking into combined MD/PhD programs in the United States. These combined programs would allow her to complete both medical school and graduate school in about eight years while earning both degrees. "They are very competitive programs, but can be extremely rewarding. If it wasn't for the insight into biomedical research that I gained from the CCRCB in Belfast, I wouldn't have even known to look for these programs."

A native of a small town near Syracuse, N.Y., Brittany was inspired to investigate the cancer research position

because her grandmother passed away from ovarian cancer. Her mentor over the summer in Northern Ireland was Professor Dennis McCance, Director of the Centre for Cancer Research and Cell Biology. Professor Dennis McCance paid Brittany and Nazareth College a high compliment when telling her she was chosen because he recognised the excellence of Nazareth College students from the time he spent working at the University of Rochester.

Brittany hopes to return to Northern Ireland this summer and remains in contact with staff at CCRCB about continuing work in another lab there that specialises in leukaemia.

A large number of applications have been received for the Summer Research Programme 2010 and students have now been shortlisted for this year's programme.

Scientists Volunteer in Local CR-UK Shops

Cancer Research UK shops across Northern Ireland were delighted to have more than 15 scientists volunteering with them during the run up to Christmas. The scientists each spent a day or half day in a local shop and really got their hands dirty, doing everything from emptying bags of donations, sorting books, steaming

garments and helping out on the shop floor. As a result three scientists have gone on to volunteer on a permanent basis - Sukanya Suresh in the Lisburn Road shop and Mihaela Ghita and Fanny Tran in Botanic Avenue. Call in and say hello any Saturday and you may even pick up a bargain.



Botanic Shop Manager, Alayne Nelson with Mihaela Ghita from CCRCB

Recent Publications

BURDAK-ROTHKAMM, S., and PRISE, K.M., (2009), New molecular targets in radiotherapy: DNA damage signalling and repair in targeted and non-targeted cells. *European Journal of Pharmacology*, 625, p151-155.

BUTTERWORTH, K.T., MCGARRY, C.K., O'SULLIVAN, J.M., HOUNSELL, A.R., and PRISE, K.M., (2010), A study of the biological effects of modulated 6 MV radiation fields. *Physics in Medicine and Biology*, 55, p1607-1618.

GORSKI, J.J., JAMES, C.R., QUINN, J.E., STEWART, G.E., STAUNTON, K.C., BUCKLEY, N.E., MCDYER, F.A., KENNEDY, R.D., WILSON, R.H., MULLAN, P.B., HARKIN, D.P., (2009), BRCA1 transcriptionally regulates genes associated with the basal-like phenotype in breast cancer, *Breast Cancer Res Treat*, Cancer Research 31 Oct 2009.

HARTE, M.T., O'BRIEN, G.J., RYAN, N.M., GORSKI, J.J., SAVAGE, K.I., CRAWFORD, N.T., MULLAN, P.B., HARKIN, D.P., (2010), BRD7, a subunit of SWI/SNF complexes, binds directly to BRCA1 and regulates BRCA1-dependent transcription, *Cancer Research*, Vol 70, Issue 6, 15 March 2010, p2538-2547.

HIGGINS, C.A., DELBEDERI, Z., MCGAREL, K., MILLS, T., MCGRATH, O., FEUTREN-BURTON, S., WATTERS, W., ARMSTRONG, P., JOHNSTON, P.G., WAUGH, D., VAN DEN BERG, H., (2009), Synthesis and in Vitro and in Vivo Evaluation of a Series of Dihydroisocoumarin Derivatives Conjugated with Fatty Acids, Alcohols, and Amines as Potential Anticancer Agents, *Bioconjugate Chem.* 20, p1737-1751.

MCCLOSKEY, R., MENGES, C., FREIDMAN, A., PATEL, D., MCCANCE, D.J., (2010), HPV 16 E6/E7 up-regulation of Nucleophosmin is important for proliferation and inhibition of differentiation, *J. Virol*, doi:10.1128/JVI.01965-09.

MCCANCE, D.J., (2010), The role of p63 in epithelial morphogenesis and neoplasia, *Biochem. Soc. Trans*, 38, p223-228, doi:10.1042/BST0380223 (Review).

SCHETTINO, G., AL RASHID, S.T., and PRISE, K.M., (2010), Radiation microbeams as spatial and temporal probes of subcellular and tissue response. *Mutation Research Reviews* epub ahead of print doi:10.1016/j.mrrev.2010.01.005.

WONG, P.P., PICKARD, A., MCCANCE, D.J., (2010), p300 alters keratinocyte cell growth and differentiation through regulation of p21(Waf1/CIP1), *PLoS One* e8369.

ZHANG, Y., ZHOU, J., BALDWIN, J., HELD, K.D., PRISE, K.M., REDMOND, R.W., and LIBER, H.L., (2009), Ionizing radiation-induced bystander mutagenesis and adaptation: Quantitative and temporal aspects. *Mutation Research (Fundamental and Molecular Mechanisms of Mutagenesis)*, 671, p20-25.

Events 2010

Drug Resistance Workshop 2010

12 May 2010

Hammersmith Conference Centre, London

Keynote Lecture by Julian Downward 'Using Functional Genomics to Investigate Cancer and Drug Resistance'.

For further information and registration please refer to: ernesto.yague@imperial.ac.uk

Breast Cancer Research 2010 Conference

18 May 2010

The Royal Society, London

Third one-day scientific conference covering all aspects of breast cancer research, from prevention right through to treatment and beyond.

For further information and registration please refer to: www.bccconference.ukevents.org

British Association for Tissue Banking XV11th Annual Scientific Meeting

25-27 May 2010

Queen's University Belfast

The Scientific Programme will include Seminars on Consent and Advanced Therapies, Medicinal Products, Workshops on Practice Issues and a focus on novice and trainee practitioners.

For further information and registration please refer to: www.batb.org.uk/

Cancer Research UK - Beatson International Cancer Conference

4-7 July 2010

Glasgow, Scotland

'The Multiple Tiers of Gene Regulation in Cancer'.

For further information and registration please refer to: www.beatson.gla.ac.uk/conf

EORTC Course

7-10 September 2010

Brussels, Belgium

'Methodology of Cancer Clinical Trials: The Next Generation'.

The course will focus on the new aspects and methodological challenges of modern cancer clinical trials.

For further information and registration please refer to: www.eortc.be/Seminar/Educationpgm/Method2010/Default.htm

Eighth International Workshop on Pharmacodynamics of Anticancer Agents

17-21 October 2010

Hakone, Japan

The workshop will focus on research that could have direct or indirect relevance to ongoing or future research in the field of pharmacodynamics of anticancer therapy.

For further information and registration please refer to: www.princehotels.com/en/the_prince_hakone/

NCRI Cancer Conference

7-10 November 2010

BT Convention Centre, Liverpool, UK

Keynote Speakers - Doug Hanahan and Bob Weinberg.

For further information and registration please refer to: www.ncri.org.uk/ncriconference

CCRCB Events

Northern Ireland Leukaemia Research Fund (NILRF) Open Evening

17 May 2010

CCRCB Building

CCRCB Retreat

23-24 September 2010

Rosspark Hotel, Ballymena, Co Antrim

Two day retreat for all CCRCB Investigators to discuss issues such as the strategy for the Centre, the focus groups and education.

Sixth International CCN Workshop

21-23 October 2010

Slieve Donard Hotel, Newcastle, Co Down

The programme will cover a breadth of research themes which will appeal equally to cell and molecular biologists and translational researchers.

For further information and registration please refer to: www.ccsociety.com/index.html

Mitchell Lecture 2010

18 November 2010

CCRCB Building

Speaker: Frank McCormick, PhD, FRS Helen Diller Family Comprehensive Cancer Centre, University of California, San Francisco.

SAB Visit

23-24 March 2011

CCRCB Building

Third Visit of Scientific Advisory Board.

New Appointments

Welcome to the following new staff who have recently joined the Centre:

Research Staff:

Dr Roberta Burden,
Dr Sara Busacca,
Dr Francois Fay,
Dr Ishaan Jagan,
Dr Andrea Liggett

Technical Staff:

Mrs Nuala McCann

Clerical Staff:

Mrs Eileen Gray

Administrative Staff:

Mrs Sharon Dunwoody