

DCCR Clinical Research Infrastructure

DCCR Clinical Research Network Infrastructure includes the following components.

Research Nursing

- Twelve research nurses deployed across the Dublin network based at the Clinical Research Centres at Beaumont, Mater, St. Vincent's and St. James's hospitals
- Research Nurse Certificate Course at RCSI is in its third year
- Field of Research Nursing has increased its profile within the nursing profession with growing attendance at the Irish Research Nurses Network (IRNN) Annual Conference.

Clinical Research Informatics

Information Technology that supports investigators and management of clinical research studies:

- Study Management — CRF Study Manager System being used by four Dublin CRCs
- eCRF/Study Databases — Web based solution accessible by investigators
- Systems for streamlining research ethics — standard form initiative
- Sample tracking and management.

Structures and Processes

Since 2008, the DCCR Programme has established an organisational structure and operational processes aligned with its function, this includes:

- Cross institutional governance and operational management arrangements
- A Disease Group/Clinical Research Infrastructure that facilitates linkages between clinicians, basic and translational scientists — see overleaf
- Systems for streamlining research ethics.



DCCR Clinical Research Infrastructure—continued

Clinical Research Facilities

Four Clinical Research Facilities support the DCCR Network in Dublin; the UCD CRCs at Mater and St. Vincent's University Hospitals and the RCSI CRC at Beaumont Hospital.



The Wellcome Trust is funding the development of a 1,300m² clinical research facility at St. James's Hospital, which when completed towards the end of 2012, will fully complete the DCCR Network.

How to Find Out More About the DCCR

The overarching aim of the DCCR is to be supportive and relevant to clinical and translational scientists. If you would like to find out more about the DCCR Programme, please:

1. Visit our web site: <http://www.molecularmedicineireland.ie/dccr>
2. Talk to one of the Disease Group Chairs — see overleaf
3. Contact the DCCR Programme Manager: Jeremy Towns
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Dublin Centre for Clinical Research

About the Dublin Centre for Clinical Research (DCCR)

In June 2006 a Dublin Molecular Medicine Centre (DMMC) bid involving TCD, RCSI, UCD and the DMMC (forerunner of Molecular Medicine Ireland (MMI)) and led by Professor Dermot Kelleher succeeded in securing investment of the order of €23 million from the Wellcome Trust and the Health Research Board for the Dublin Centre for Clinical Research (DCCR). The Wellcome Trust – HRB Dublin Centre for Clinical Research (DCCR) is a major investment in clinical research infrastructure being made by the Wellcome Trust and the Health Research Board (HRB).

The aim of the DCCR is to provide the infrastructure – the physical space, facilities, information systems and trained staff – needed to support collaborative clinical research studies across Dublin. It is a collaboration involving the TCD, UCD and RCSI Medical School, their associated teaching hospitals and MMI. The DCCR network includes research activities taking place at RCSI Clinical Research Centre (CRC) at Beaumont Hospital and the UCD Clinical Research Centre at Mater Misericordiae University Hospital and St. Vincent's University Hospital and the new clinical research centre at St. James's Hospital when completed in 2012.

DCCR Disease and Clinical Interest Groups and Active Studies

The DCCR Clinical Research Network works within the framework of disease, or clinical interest groups. Scientists and clinicians with similar research interests come together to agree on research activity that is best conducted as a large group rather than in isolation. This works particularly well where large volumes of patients are required for a research project, or where a particular condition is rare and identifying suitable patients requires a collaborative effort. The following table illustrates the studies currently underway within the Network across Dublin. Since 2008 over 2,700 patients have been enrolled into studies supported by the DCCR Infrastructure.

| Study | DCCR Disease Group | Disease Group Chair | Dublin Hospital Location | | | | | |
|---|---------------------------|----------------------|--------------------------|----------|-------|-------------|---------------|----------|
| | | | Beaumont | Connolly | Mater | St. James's | St. Vincent's | Tallaght |
| GUIDANCE (Guideline Adherence for T2D) | Diabetes and Metabolism | Dr. Ronan Canavan | √ | √ | √ | √ | √ | √ |
| IPF/Sarcoidosis Biocollection | Pulmonary | Prof. Michael Keane | √ | √ | | √ | √ | √ |
| Coeliac Disease Genetics | Gastrointestinal Medicine | Dr. Ross McManus | √ | | √ | √ | √ | |
| Schizophrenia Risk Mutations | Neuropsychiatry | Prof. Michael Gill | | | | √ | | √ |
| Genetics of Barrett's Oesophagus | Gastrointestinal Medicine | Dr. Ross McManus | | | √ | √ | | |
| CKD | Chronic Kidney Disease | Dr. Denise Sadlier | √ | | √ | | | |
| Asthma Inhaler Device | Pulmonary | Prof. Michael Keane | √ | √ | √ | √ | √ | √ |
| Prostate Cancer Biomarkers | PCRC | Prof. William Watson | √ | | √ | √ | | |
| Assay for Latent TB (IGRA) | HIV/TB | Prof. Colm Bergin | | | | √ | | |
| Young Onset Neurodegeneration | Neurodegeneration | Prof. Orla Hardiman | √ | | √ | √ | √ | √ |
| Patient Registry for Retinal Dystrophy* | Ophthalmology | Mr. David Keegan | | | √ | | | |
| IHF Stroke Biomarker Study | Stroke Group | Prof. Peter Kelly | | | | √ | √ | |
| IHF Aspirin Compliance Study | IHF Cardiovascular Group | Prof. Niall Mahon | √ | | √ | √ | √ | √ |

*Study also being conducted at the Royal Victoria Eye and Ear Hospital.