RESEARCH IN SCHOOL OF MEDICINE

- *Overview of research structure*
- *Program composition*

Director,
Prof. James O’Donnell

RESEARCH SITES

Faculty Research Forum
Date 04/02/2015
School of Medicine Research – research sites

Trinity College Dublin

Biomedical Science Institute

Tallaght Hospital Trinity Centre

St James’s Hospital Campus
Institute of Molecular Medicine (IMM) - SJH campus

- 40 Principal Investigators and ~150 basic and clinician scientists.

- Range of research core technologies
  - Biobanking; Flow Cytometry Facility; Next-Generation Sequencing; Category 3 Laboratories; High Content Analysis; Bioresource facility.
School of Medicine Research – Structure

Trinity Translational pathway

TBSI → IMM → WT/HRB Clinical Research Facility → Institute Population Health → Centre Global Health

St James’ Hospital
AMNCH, Tallaght
Trinity Translational Pathway Model
– future research opportunities

• Direct relevance at Faculty level – specific opportunities for developing collaborative research networks
Trinity Translational Pathway Model – future research opportunities

St James’s hospital / AMANCH
National Pediatric hospital
Hospital networks
Trinity Translational Pathway Model – future funding opportunities

Pharma industry / Clinical trials / HSE / Private health insurance

TBSI  
TCIN  
CRANN  

TTMI  

WT/HRB Clinical Research Facility  

Institute Population Health  

Centre Global Health  

St James’s hospital / AMANCH  
National pediatric hospital  
Hospital networks
Trinity Translational Pathway Model – development of an Academic Medical Centre

Establish critical mass
Develop synergistic multi-disciplinary research programs

St James’s hospital / AMANCH
National pediatric hospital
Hospital networks
Trinity Health Ireland
Trinity Translational Pathway Model – development of an Academic Medical Centre

- Interacting with all components of the pathway
- Multidisciplinary research
- World-class clinical patient care

St James’s hospital / AMANCH
National pediatric hospital
Hospital networks
Trinity Health Ireland

Trinity Cancer Centre
SCHOOL OF MEDICINE - RESEARCH

- > 100 Principal Investigators

Research Funding
- **Ireland**: HRB, SFI, Irish Cancer Society, Irish Research Council, Medical Research Charity
- **International**: Horizon 2020; Wellcome Trust; NIH
- **Pharmaceutical Industry
- **Philantropic**
Research Income by Funding Source 2010/2011

- Charities 2.80%
- TCD/Research Committee Funding 0.20%
- General 6.10%
- Commission of the European Communities 12.50%
- Enterprise Ireland 3.40%
- Business & Industry 4.20%
- Public Sector Bodies 16.40%
- Higher Education Authority 3.50%
- Science Foundation Ireland 39.10%
- HRB 10.20%
- Welcome Trust 1.60%

SFI
School of Medicine research income constitutes an important share of TCD total research income.
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‘Could do better with proper application!’
SCHOOL OF MEDICINE – RESEARCH THEMES

• Translational Immunology & Infection
  • Fallon, Keane, Little, Long
• Translational Cancer
  • Reynolds, O’Leary
• Genomics of Human Diseases
  • Gill, Corvin, McManus
• Ageing - Kenny
• Neuroscience – Corvin, Gill
• Nanomedicine - Volkov
• Population Health - Barry
On-going research connections between themes
School of Medicine Research Directorate

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