



Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

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



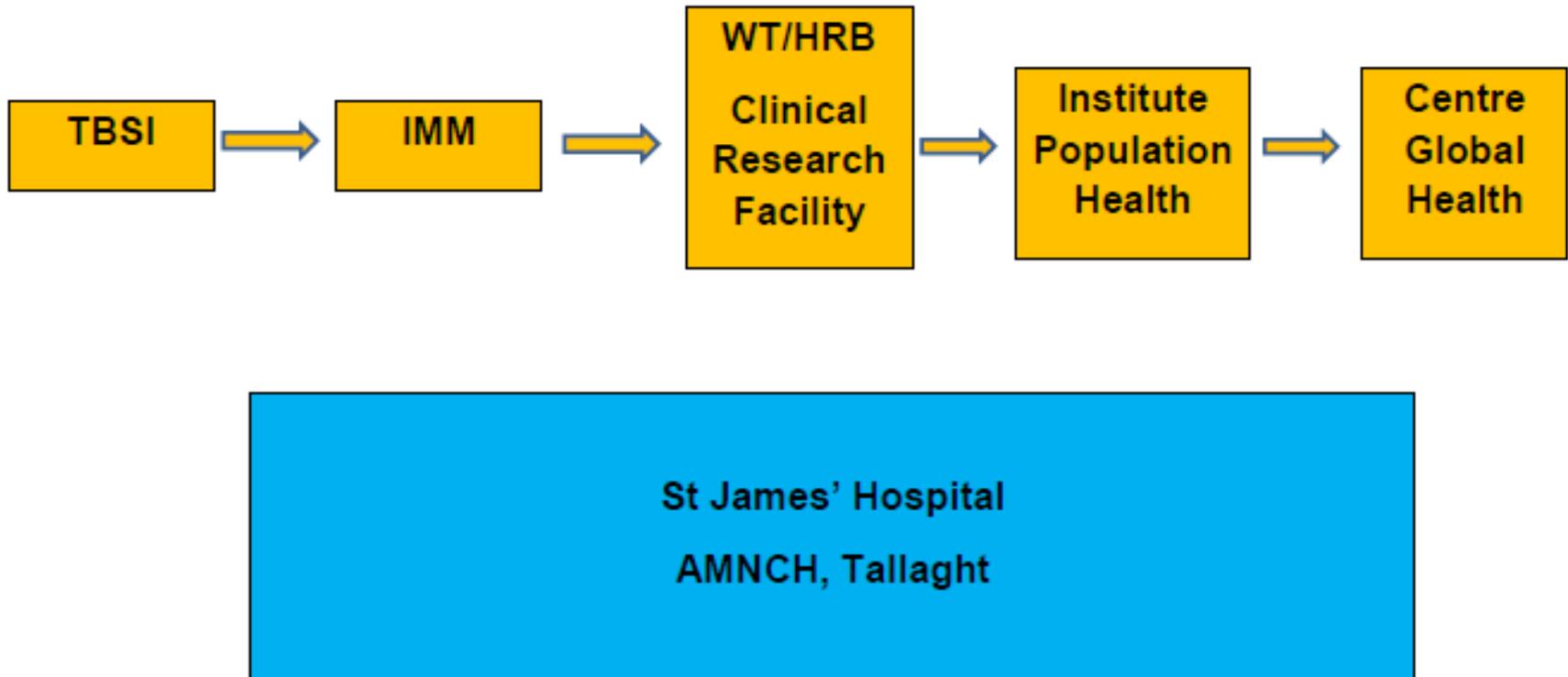
Institute of Molecular Medicine (IMM) - SJH campus



- 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.

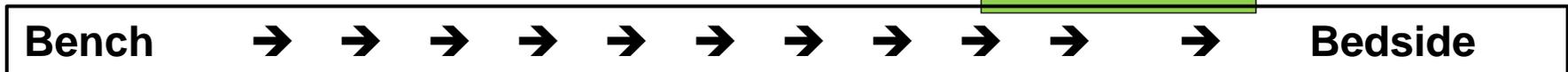
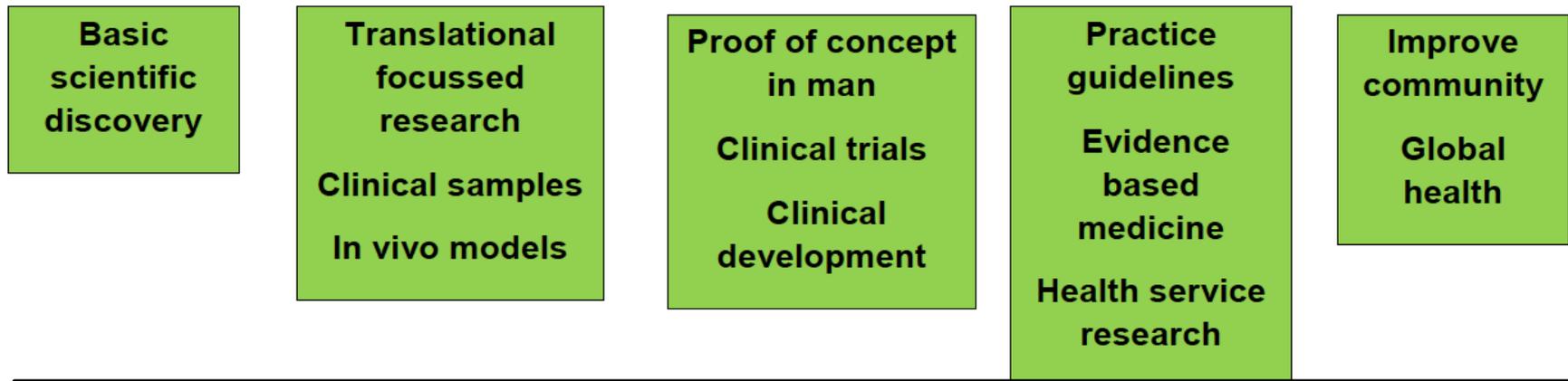
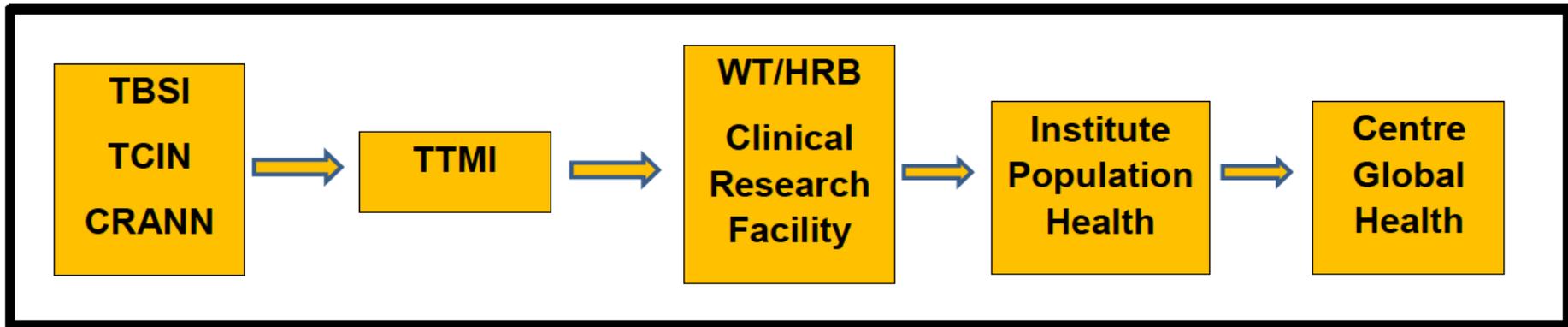
School of Medicine Research – Structure

Trinity Translational pathway



Trinity Translational Pathway Model

– *in practice*



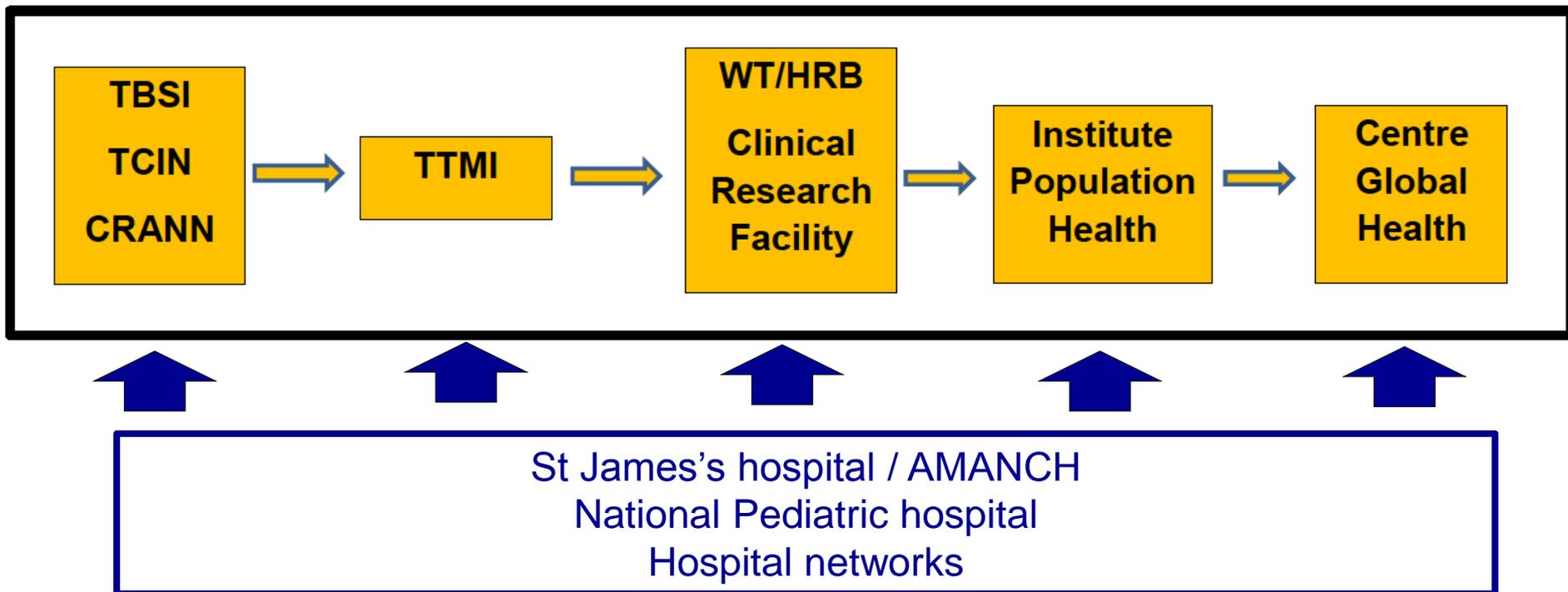
Trinity Translational Pathway Model

– *future research opportunities*

- **Direct relevance at Faculty level – specific opportunities for developing collaborative research networks**

Trinity Translational Pathway Model

– *future research opportunities*



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



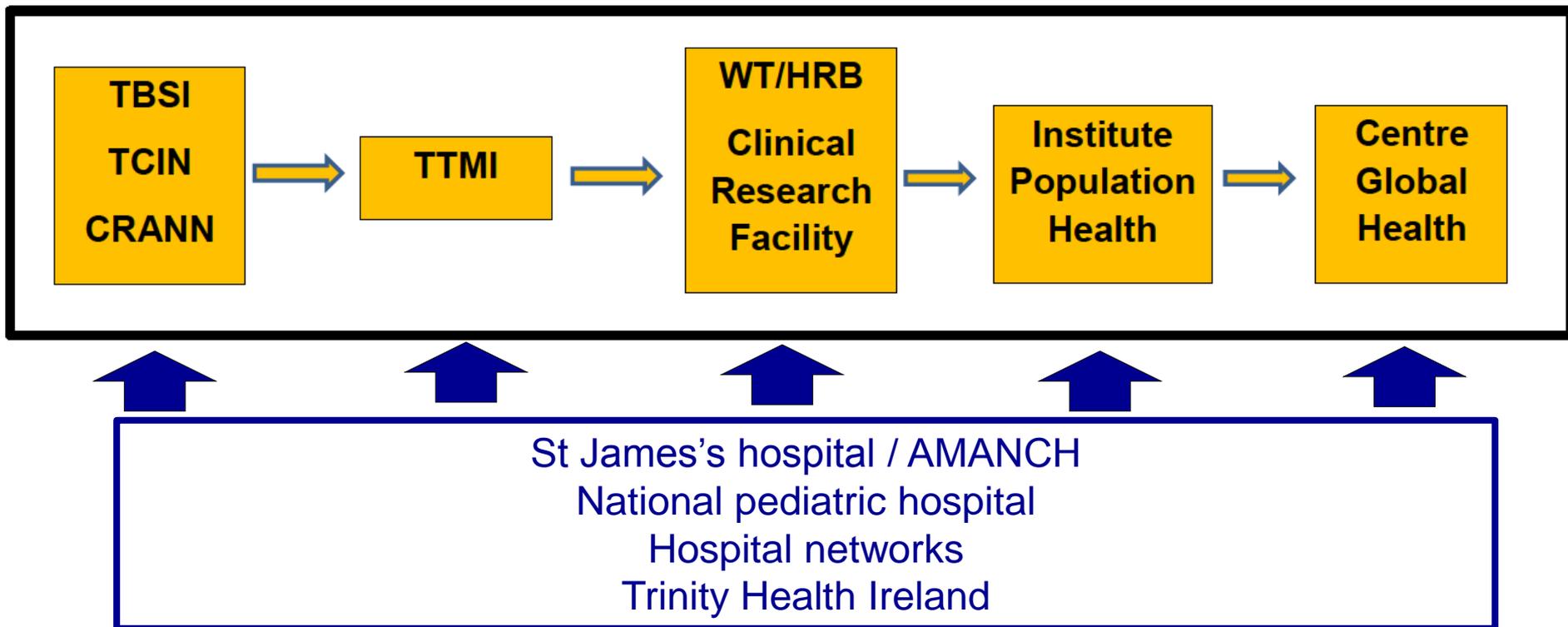
St James's hospital / AMANCH
National pediatric hospital
Hospital networks

Trinity Translational Pathway Model

– *development of an Academic Medical Centre*

Establish critical mass

Develop synergistic multi-disciplinary research programs



Trinity Translational Pathway Model

– *development of an Academic Medical Centre*

Trinity Cancer 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

SCHOOL OF MEDICINE - RESEARCH

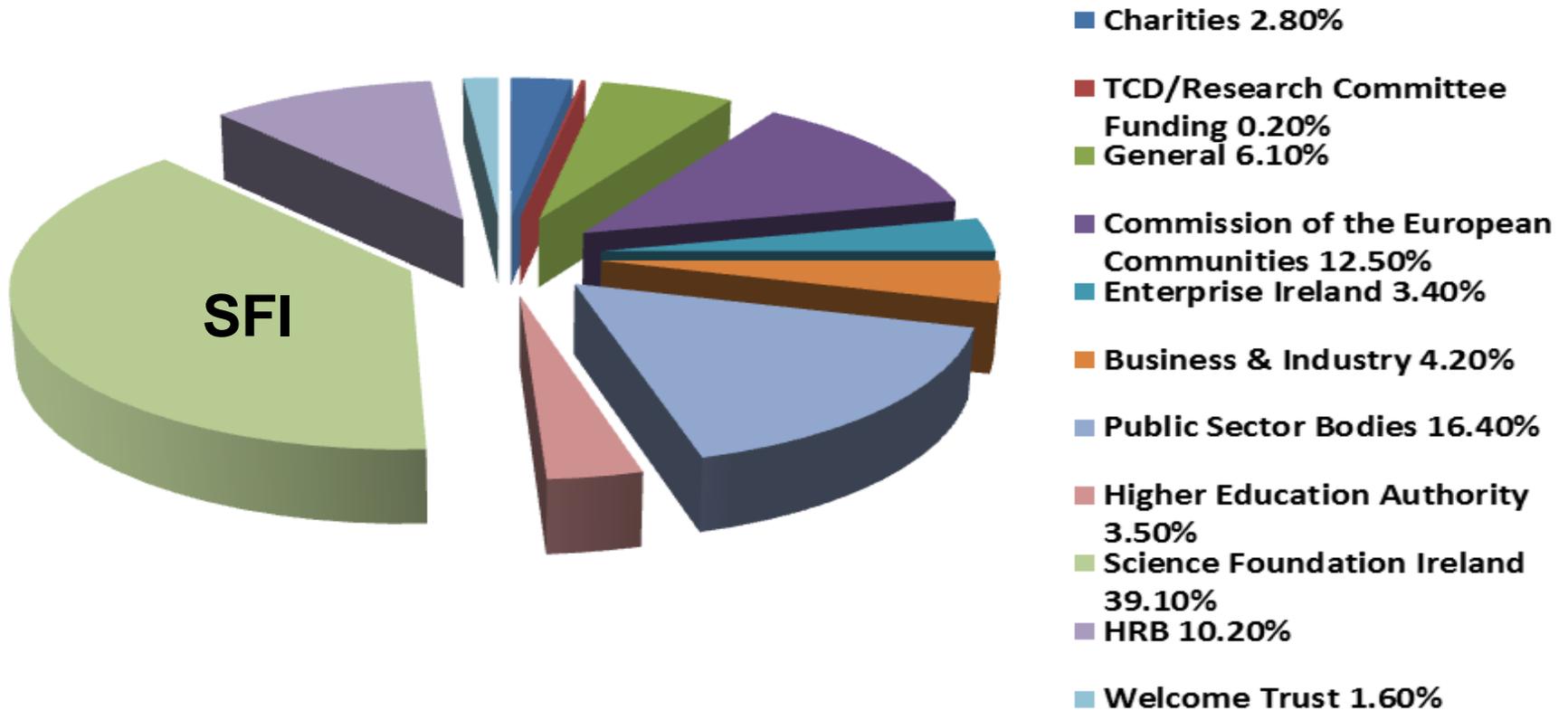
- **> 100 Principal Investigators**

Research Funding

- **Ireland:** HRB, SFI, Irish Cancer Society, Irish Research Council, Medical Research Charity
- **International:** Horizon 2020; Wellcome Trust; NIH
- **Pharmaceutical Industry**
- **Philanthropic**

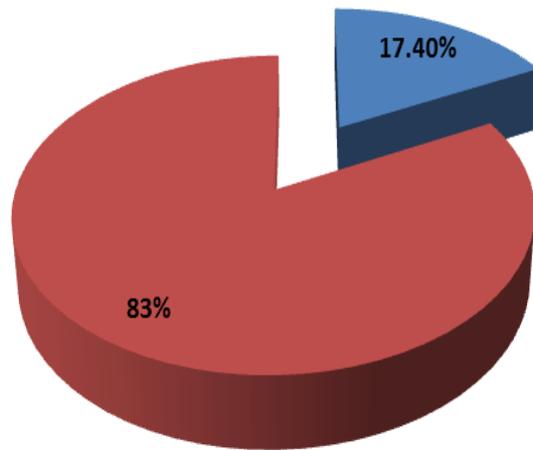
SCHOOL OF MEDICINE – RESEARCH FUNDING

Research Income by Funding Source 2010/2011

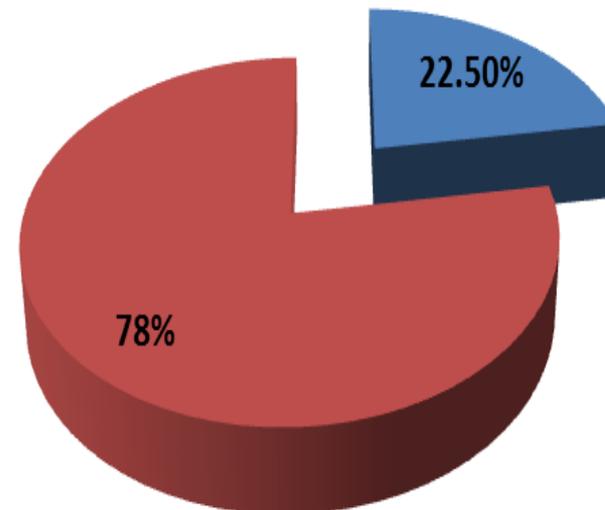


School of Medicine research income constitutes important share of TCD total research

School of Medicine Research Income-compared to TCD Total for 2006/2007



School of Medicine Research Income-compared to TCD Total for 2010/2011



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School of Medicine research income constitutes important share of TCD total research

School of Medicine Research Income-compared to TCD Total for 2006/2007



School of Medicine Research Income-compared to TCD Total for 2010/2011

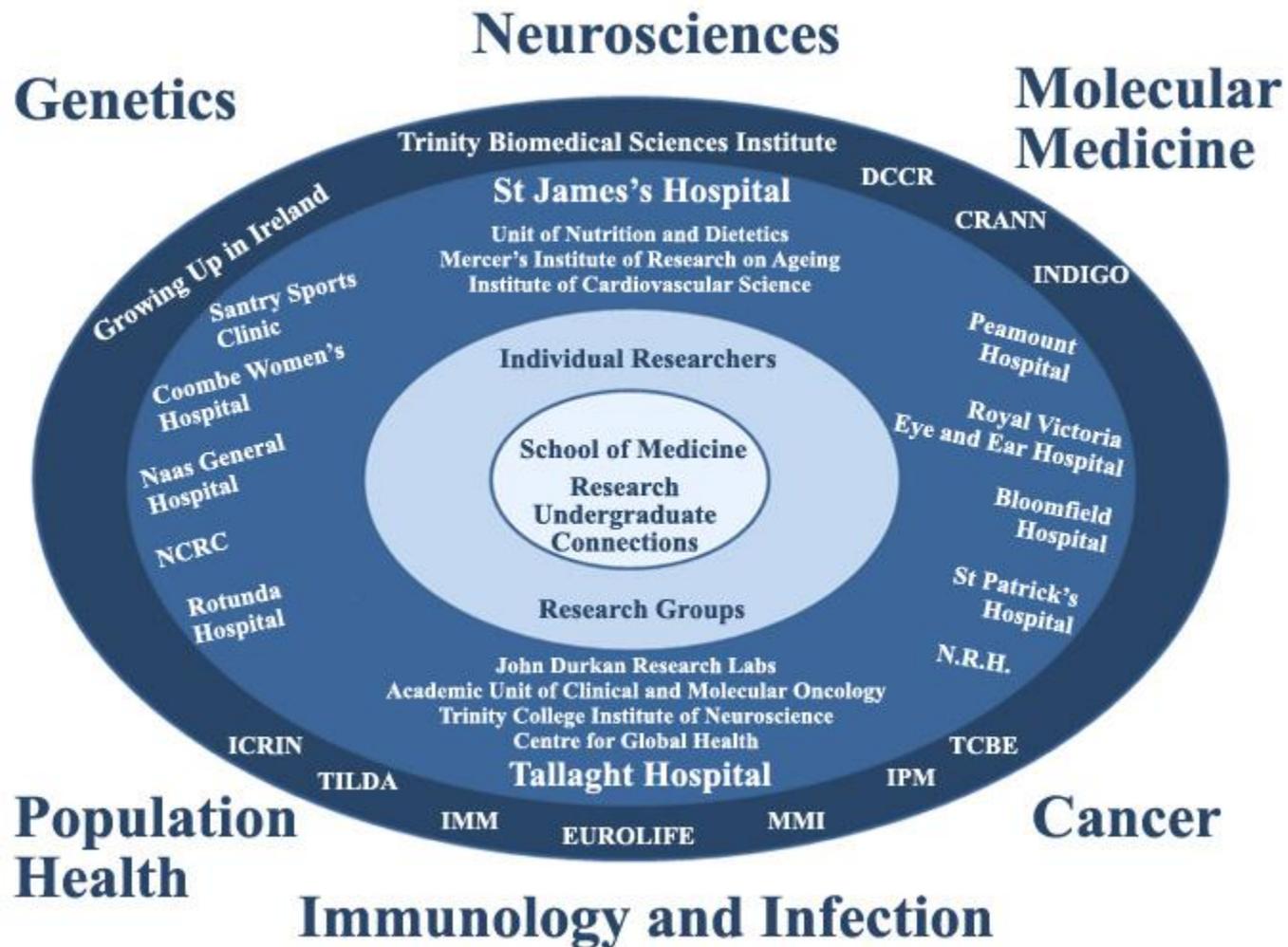


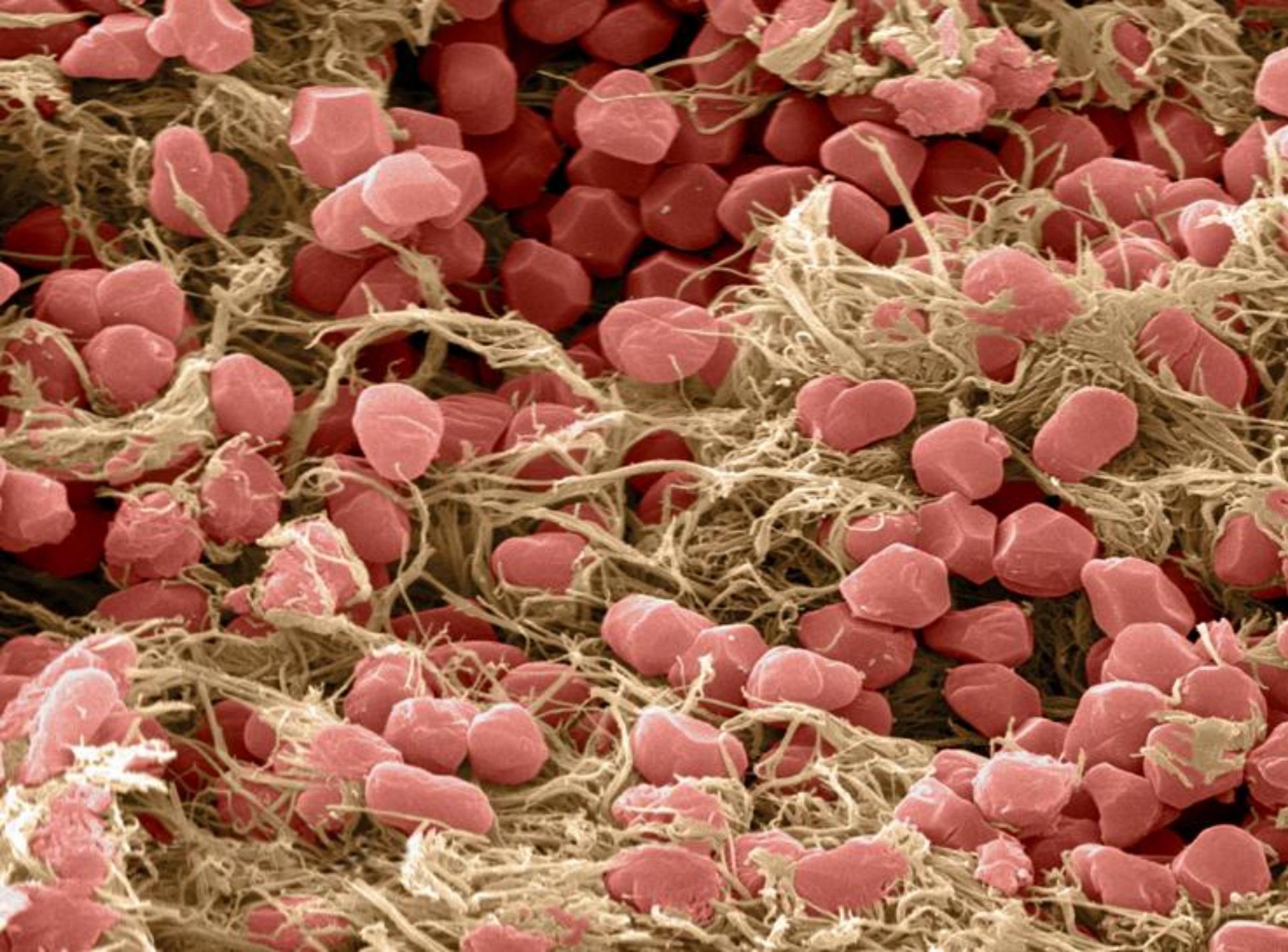
‘Could do better with proper application!’

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









Trinity College Dublin

Coláiste na Tríonóide, Baile Átha Cliath

The University of Dublin

School of Medicine Research Directorate

Professor James O'Donnell, Director of Research

Ms. Noelle Costelloe, Research Administrator

Phone: 8962649

Email: research.medicine@tcd.ie

Address: Level 1, Trinity Biomedical Sciences Institute, Trinity College

Web: www.medicine.tcd.ie/research

Research Helpdesk (Wednesdays)

Phone: 0874131837

Address: Old Stone Building, St James Hospital
Trinity Centre, Tallaght Hospital

