



Molecular Medicine Ireland Clinician Scientist Fellowship Programme Structured Training

Schedule for Period 16 September – 26 September 2008

Tuesday 16 September

Bioinformatics workshop	
Venue: Trinity Centre for Health Sciences, St James's Hospital	
0930 - 1300	Bioinformatics workshop - Session 1 Dr Tony Ryan (TCD)
The Biology Behind the Disease	
Venue: Durkan Lecture Theatre, TCD Institute of Molecular Medicine, St James's Hospital	
1300 – 1400	Lunch
1400 – 1515	Dr Ross McManus (TCD) <i>Introduction to Molecular Biology: DNA Replication and Recombination</i>
1515 – 1530	Tea/coffee
1530 – 1645	Dr Ross McManus (TCD) <i>Mutation and Repair and Human Disease</i>

Wednesday 17 September

Bioinformatics workshop	
Venue: Trinity Centre for Health Sciences, St James's Hospital	
0930 - 1300	Bioinformatics workshop - Session 2 Dr Tony Ryan (TCD)
The Biology Behind the Disease	
Venue: Durkan Lecture Theatre, TCD Institute of Molecular Medicine, St James's Hospital	
1300 – 1400	Lunch
1400 – 1500	Dr Aideen Long (TCD) <i>Overview of cell signalling mechanisms</i>
1500 – 1600	Dr Aideen Long (TCD) <i>Cell signalling and cancer</i>
1600 – 1615	Tea/coffee
1615 – 1715	Dr Yuri Volkov (TCD) <i>The molecular engines, tyres and brakes for leukocyte locomotion</i>

Thursday 18 September

Clinician Scientist Keynote Lecture	
Venue: Durkan Lecture Theatre, TCD Institute of Molecular Medicine, St James's Hospital	
0800 – 0900	Professor Timothy O'Brien, Professor and Head of Medicine, NUI Galway, Director of the Regenerative Medicine Institute (REMEDI)
Bioinformatics workshop	
Venue: Trinity Centre for Health Sciences, St James's Hospital	
0930 - 1300	Bioinformatics workshop - Session 3 Dr Tony Ryan (TCD)
The Biology Behind the Disease	
Venue: Durkan Lecture Theatre, TCD Institute of Molecular Medicine, St James's Hospital	
1300 – 1400	Lunch
1400 – 1500	Dr Henry Windle (TCD) <i>Infectious diseases: the biology of the host-pathogen interaction</i>
1500 – 1600	Dr Mark Lawler (TCD) <i>Control of gene expression and its relevance to human disease</i>
1600 – 1615	Tea/coffee
1615 – 1715	Dr Mark Lawler (TCD) <i>Genetics, Molecular Medicine and cancer</i>

Friday 19 September

Animal Models of Disease. Relevance to study of human pathophysiology	
Venue: Conway Lecture Theatre, UCD Conway Institute, UCD, Belfield, Dublin 4	
0900 – 0915	Tea/coffee
0915 – 0945	Professor Ciaran Regan, UCD <i>Developmental emergence of disease: Modelling mechanisms in animals</i>
0945 – 1015	Professor Catherine Godson, <i>From Mice and Men to mechanisms of disease in microvascular complications of diabetes</i>
1015 – 1045	Professor Michael Keane, UCD and St Vincent's University Hospital <i>Animal models of pulmonary disease</i>
1045 – 1115	Tea/coffee



1115 – 1145	Dr Ollie Blacque, UCD <i>Using tiny worms (C. elegans) to investigate the molecular basis of human disease. Absurd? Certainly not!</i>
1145 – 1215	Dr Breandan Kennedy, UCD <i>Using tropical fish to understand colour vision</i>
1215 – 1330	Lunch and networking with speakers
Core Technology	
Venue: Conway Lecture Theatre, UCD Conway Institute, UCD, Belfield, Dublin 4	
1330	Group splits into 4 small groups and visits core technology facilities: <ul style="list-style-type: none"> • Mass spectrometry for proteomics hosted by Professor Giuliano Elia, UCD • Confocal Imaging hosted by Professor Dimitri Scholz, UCD • SPF facility and in vivo imaging hosted by Colin Travis and Professor Liam Gallagher, UCD • High throughput genomics hosted by Professor Brendan Loftus, UCD 30 mins at each facility
1530	Reassemble for tea and the entire group will then visit the Electron Microscopy suite hosted by Dr David Cottell

Monday 22 September

Information Retrieval Workshop	
Venue: Mercer Library, RCSI	
1000 – 1130	Workshop delivered by RCSI library staff
Clinician Scientist Keynote Lecture	
Venue: Pharmacy Tutorial Room (Ground Floor, York House), RCSI	
1200 – 1300	Professor Dermot Kenny, Associate Professor, Director Molecular & Cellular Therapeutics, RCSI
1300 – 1345	Lunch
1345 – 1430	Tour of RCSI



1430 – 1700	The Biology behind the Disease (Self directed learning Preparation time) Venue: Pharmacy Tutorial Room (Ground Floor, York House), RCSI
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Tuesday 23 September

The Biology behind the Disease (Self directed learning) Venue: Durkan Lecture Theatre, TCD Institute of Molecular Medicine, St James's Hospital	
Session 1	
0930 – 1000	Coffee
1000 – 1100	Dr Sanjay Chotirmall / Dr David Prichard <i>Tuberculosis & Toll-like Receptors: Innate Immunity and Reactivation</i>
1100 – 1200	Dr Ruth Morrell / Dr Mazen Al-alawi <i>The Road to Cure for Chronic Myeloid Leukaemia</i>
1200 – 1300	Lunch
Session 2	
1300 – 1400	Dr Aoife Lowery / Dr Niall Conlon <i>Familial cold autoinflammatory syndrome</i>
1400 – 1500	Dr Oliver Schubert / Dr Gerard Curley <i>Regulation of osteoclast activity in osteoporosis</i>
1500 – 1515	Coffee
1515 – 1615	Dr Eoin Feeney / Dr Damian McCartan <i>Hepatocellular Carcinoma and Epidermal Growth Factor</i>

Wednesday 24 September

The Biology behind the Disease (Self directed learning) Venue: Durkan Lecture Theatre, TCD Institute of Molecular Medicine, St James's Hospital	
Session 3	
0930 – 1000	Coffee
1000 – 1100	Dr Patrick Collier / Dr Mark Coyne <i>The myofibroblast...when good cells go bad</i>
1100 – 1200	Dr Jane Sanders / Dr James Ryan <i>Huntington's disease – Molecular pathogenesis and potential therapeutic targets</i>
1200 – 1300	Lunch



Clinician Scientist Keynote Lecture	
1300 – 1400	Professor Dermot Kelleher, Head of the School of Medicine and Director of the Institute of Molecular Medicine, TCD & St James's Hospital
Session 4	
1400 – 1500	Dr Aidan Ryan / Dr Fionnuala Ni Ainle <i>Endothelial dysfunction and the pro-inflammatory state in vascular disease</i>
1500 – 1515	Coffee
1515 – 1615	Dr John O'Sullivan / Dr Finian O'Brien <i>HIV pathogenesis and therapeutic targets</i>

Thursday 25 September

Introduction to Project Management in Healthcare and Education Venue: Green Room 3, Mercer Hotel, Lower Mercer St, Dublin 2 (beside the RCSI)	
0930 – 1630	Introduction to Project Management in Healthcare and Education – Day 1 Luke Feeney, Institute for Leadership & Healthcare Management, RCSI

Friday 26 September

Introduction to Project Management in Healthcare and Education Venue: Green Room 3, Mercer Hotel, Lower Mercer St, Dublin 2 (beside the RCSI)	
0930 – 1630	Introduction to Project Management in Healthcare and Education – Day 1 Luke Feeney, Institute for Leadership & Healthcare Management, RCSI
Structured Training Period 2 Feedback session	
1630 – 1700	Informal feedback