



TECHNIQUES AND STRATEGIES IN MOLECULAR MEDICINE

Date: 8 & 9 December 2009

Venue: UCD Conway Institute Lecture Theatre

Tuesday, 8 December (0930–1620)	
<i>Session Chair:</i> Dr Claire Twomey (MMI)	
0930	RNA detection and quantitation Dr Shane Duggan, TCD
1010	Differential gene expression: overview of relevant methods Dr Karen Power, UCD
1050	Coffee/Tea
1120	Polymorphism association with disease Prof. Denis Shields, UCD
1200	Model organisms Dr Yolanda Alvarez, UCD
1240	Lunch
<i>Session Chair:</i> Dr Ross McManus (TCD)	
1320	DNA cloning strategies Dr Ross McManus, TCD
1400	Transgenics and knockouts Dr Rosemary Kane, UCD
1440	Coffee/Tea
1500	RNA interference Dr Jane Farrar, TCD
1540	Determining protein:protein interactions in biology Dr Niamh Moran, RCSI

Wednesday, 9 December (0930–1700)	
<i>Session Chair:</i> Prof. William Watson, UCD	
0930	Protein expression and purification Dr Henry Windle, TCD
1010	Mass Spectrometry Dr Giuliano Elia, UCD
1040	Coffee/Tea
1110	Expression proteomics: biomedical applications Prof. Steve Pennington (UCD)
1150	Immunodetection methods on cell and tissue extracts Dr Leonie Young, RCSI
1230	Cell imaging and sorting – flow cytometry Prof William Watson (UCD)
1310	Lunch
<i>Session Chair:</i> Dr Mark Watson	
1350	Imaging using Fluorescent/Confocal Microscopy Dr Orla Hanrahan, TCD
1430	High Content Analysis of nanoparticle/cell interactions Dr Anthony Davies, TCD
1510	Coffee/Tea
1530	Stem Cells - Biology and Applications Dr Linda Howard, NUI Galway
1610	Keynote Public Lecture: Structure-based systems biology of insulin and IGF-I receptors signaling Prof Pierre de Meyts (Hagedorn Research Institute)
1700	Wine reception (Sponsored by novo nordisk)