



## TECHNIQUES AND STRATEGIES IN MOLECULAR MEDICINE

Date: 8 & 9 December 2009

Venue: UCD Conway Institute Lecture Theatre

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

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