

Programme

Sunday, 15th August	
5.00–6.30	Workshop Reception Renehan Hall, St. Patrick's College, NUIM South Campus
Monday, 16th August	
8.30–9.00	Workshop Registration, Tea & Coffee Callan Hall, South Campus, NUI Maynooth
Morning Session Callan Hall, South Campus, NUI Maynooth	
9.00–9.10	Welcome Prof. Richard Middleton <i>The Hamilton Institute, NUI Maynooth</i>
9.10–9.30	Workshop Opening Address Prof. Stephen Simpson <i>Science Foundation Ireland</i>
9.30–10.30	“Multi-Pathway Network Analysis of Epithelial Cell Responses in Inflammatory Environments” Prof. Douglas A. Lauffenberger <i>Department of Biological Engineering, MIT</i>
10.30–10.45	Questions and discussion
10.45–11.15	Morning Tea Pugin Hall, St. Patrick's College, NUIM South Campus
Prelunch Session Callan Hall, South Campus, NUI Maynooth	
11.15–12.15	“Assessing Key Players in Disease Relevant Pathways” Prof. Ursula Kummer <i>Department of Modeling of Biological Processes, BIO-QUANT/Institute of Zoology, Heidelberg</i>
12.15–12.30	Questions and discussion
12.30–1.30	Lunch Pugin Hall, St. Patrick's College, South Campus, NUI Maynooth
Afternoon Session Callan Hall, South Campus, NUI Maynooth	
1.30–2.30	“Multiscale Modeling of Hepatitis C Virus Infection” Prof. Alan S. Perelson <i>Theoretical Biology and Biophysics Group, Los Alamos National Laboratory</i>
2.30–2.45	Questions and discussion
2.45–3.45	“Unraveling The Spatial Regulation of Cd95-Induced Apoptosis” Prof. Roland Eils <i>Integrative Bioinformatics and Systems Biology, Heidelberg</i>
3.45–4.00	Questions and discussion
Poster Session Renehan Hall, St. Patrick's College, South Campus, NUI Maynooth	
4.00–5.30	Posters & Light Refreshments

Tuesday, 17th August	
Renehan Hall, St. Patrick's College, South Campus, NUI Maynooth	
9.00–9.30	Tea/Coffee
Morning Session	
Callan Hall, South Campus, NUI Maynooth	
9.30–10.30	“Toward A Molecular, Cellular and Systems-Based Theory of The Adaptive Immune Response” Prof. Phillip Hodgkin <i>The Walter and Eliza Hall Institute for Medical Research, Melbourne</i>
10.30–10.45	Questions and discussion
10.45–11.15	Morning Tea Pugin Hall, St. Patrick's College, NUIM South Campus
Prelunch Session	
Callan Hall, South Campus, NUI Maynooth	
11.15–12.15	“Regulatory T Cell Control of Pathogenic and Effector T Cells - Implications for The Development of New Therapeutics for Cancer and Autoimmunity” Prof. Kingston Mills <i>Immunology Research Centre and School of Biochemistry & Immunology, Trinity College Dublin</i>
12.15–12.30	Questions and discussion
12.30–1.30	Lunch Pugin Hall, St. Patrick's College, South Campus, NUI Maynooth
Post Lunch Session	
Callan Hall, South Campus, NUI Maynooth	
1.30–2.30	“Function By Design: How Emergent Design Properties Shape The Biological Function of The RAS-RAF-MEK-ERK/MAPK Pathway” Prof. Walter Kolch <i>Systems Biology Ireland, University College Dublin</i>
2.30–2.45	Questions and discussion
2.45–3.45	“Application of Systems Modelling in Drug Discovery; Examples of Impact and Future Direction” Dr. Neil Benson <i>Pfizer, UK</i>
3.45–4.00	Questions and discussion
4.00–4.30	Afternoon Tea Pugin Hall, St. Patrick's College, NUIM South Campus
Afternoon Session	
Callan Hall, South Campus, NUI Maynooth	
4.30–5.30	“Pharmacometrics and Systems Biology: Do They Fit?” Prof. Charlotte Kloft <i>Inst. of Pharmacy, Martin-Luther-Universitaet Halle-Wittenberg</i>
5.30–5.45	Questions and discussion

Wednesday, 18th August	
Renehan Hall, St. Patrick's College, South Campus, NUI Maynooth	
9.00–9.30	Tea/Coffee
Morning Session	
Callan Hall, South Campus, NUI Maynooth	
9.30–10.30	“Listening to The Noise: Stochastic Fluctuations in Molecular Biology” Prof. Mustafa Khammash <i>Center for Control, Dynamical-systems, & Computation, UC Santa Barbara</i>
10.30–10.45	Questions and discussion
10.45–11.15	Morning Tea Pugin Hall, St. Patrick's College, NUIM South Campus
Prelunch Session (Joint with Symposium on Systems Approaches to Parkinson's Disease) Callan Hall, South Campus, NUI Maynooth	
11.15–12.15	“Long-Lasting Therapeutic Effects of Desynchronizing Brain Stimulation” Prof. Peter A. Tass <i>Institute of Neuroscience and Medicine, Jülich</i>
12.15–12.30	Questions and discussion
12.30–1.30	Lunch (joint with Symposium SAPD) Pugin Hall, St. Patrick's College, South Campus, NUI Maynooth
Symposium on Systems Approaches to Parkinson's Disease The Hamilton Institute, North Campus, NUI Maynooth	
2.15	Opening