7th Annual Translational Medicine Conference
City Hotel, Derry/Londonderry,
Northern Ireland 26th - 27th October 2015

‘Big Data and Data Analytics in Precision Medicine’

TMED7 will focus on “Big Data and Data Analytics in Precision Medicine” and will bring together international delegates from academia, business and the clinical sector to explore opportunities and challenges in healthcare.

Celebrating its seventh successful year, the event is recognised as a leading international conference in translational medicine and healthcare innovation. Over 200 international delegates including clinicians, academics and businesses from USA, UK, Ireland, mainland Europe and Asia attended in 2014 and the conference continues to grow in stature each year.

Our annual TMED Conference is now a signature event for the sector across the whole island of Ireland.

The Conference will explore the challenges and opportunities that have been created through the development of new technologies and approaches which enable a more personalised approach to medicine and healthcare.

The conference targets academics, clinicians, researchers and bio-industry R&D managers, with the aim of encouraging collaboration and communication, and to inform research and clinical interventions.

Day 1 Monday 26th October

1:00 pm Registration
2:00 pm Professor Paddy Nixon, Vice-Chancellor, Ulster University, NI Welcome and Opening Address
Chaired by Prof Hugh McKenna, Pro – Vice-Chancellor (Research and Innovation), Ulster University

2:15 pm Professor John Gallacher, School of Medicine, Cardiff University, UK
"The MRC Dementias Platform UK and its relevance for mental health"

2:35 pm Dr Danilo Mandic, Faculty of Engineering, Department of Electrical and Electronic Engineering, Imperial College London, UK
"Complexity Science for 24/7 Continuous Physiological Monitoring"

2.55 pm Dr Richard Phelps, Senior Lecturer and Honorary Consultant, MRC Centre for Inflammation Research, University of Edinburgh, UK
"Patient utilisation of an on-line EPR: insights from analysis of Renal Patient View records"

3.15 pm Q&A

3.30 pm Break for Tea/Coffee - Poster Viewing Session

2:55 pm Dr Cesar Navarro
"Building a symptom checker for remote monitoring"
Sarah-Jayne Mackin
"Refining clinically relevant gene targets through a pipeline analysis of human 450k methylation data and wet-lab validation"

5.10 pm Richard Gault
"Using phenomemonal models of tinnitus to bridge the gaps within neural imaging data"

5.25 pm Alistair Quinn
"Understanding barriers to clinical adoption of Point-of-Care Testing (POCT)"

5.40 pm Joanne Given
"Tele-Mum: a comparison of telemedicine and face-to-face management decisions in diabetic pregnancy"

5.55 pm Alan Kennedy
"Assessing the performance of current generation automated diagnostic algorithms for healthcare sensor systems"

6.10 pm Q&A

6.25 pm Close

7.00 pm Drinks Reception/ Poster Viewing Session
Pre Dinner Address Councillor Elisha McCallion, Mayor of Derry City and Strabane District Council
Post Dinner Address Gerard Guckian, Chairman, Western Health and Social Care Trust

Oral Presentations

<table>
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<tr>
<th>Algorithms &amp; Remote Monitoring Chaired by Dr David Brownlee, HSC Innovations</th>
<th>Interventions &amp; Omics Chaired by Dr Paul Beaney, Ulster University</th>
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<tr>
<td>4.40 pm Dr Huiru Zheng KeepWell: A Generic Platform to Support the Self-management of Chronic Conditions</td>
<td>Andrew English The effect of GLP-1 receptor knockout and GLP-1 receptor agonist treatment on the expression of appetite and insulin signalling-associated genes in brain</td>
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<td>Andrew Parton Computational Modelling of Atherosclerosis</td>
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4.30pm Q&A
Conference Programme Continued...

Day 2 Tuesday 27th October

8.30 am Registration

Chaired By Dr Maurice O’Kane, Director R & D, Western Health and Social Care Trust

9.00 am John McKinley, Chief Executive Officer, Precision Medicine Catapult, UK
“The Role of the PMC and Delivering Industry Translation”

9.20 am Dr Christine McNamee, Network Manager, Pharmacogenomics & Stratified Medicine Network, UK
“The UK Pharmacogenetics and Stratified Medicine Network - Linking the multidisciplinary partners of the Precision Medicine community”

9.40 am Dr Stephen Lee, Biosciences Team Manager, Devices Division, MHRA, UK “Companion Diagnostics and the IVD Regulations”

10.00 am Q&A

10.15 am Break for Tea/Coffee - Poster Viewing Session

Chaired by TBC

Chaired by Prof Tony Bjorson, Director NICS My, Ulster University

10.45 am Dr Fabio Mangiacapra, Clinical and Interventional Cardiologist, Campus Bio-Medico University Hospital, Italy
“The hard task of translating promising results into clinical benefit: the case for platelet function testing”

Dr Ferath Kherif, Vice-Director LREN, CHUV, Switzerland
“The Medical Informatics Platform of the Human Brain Project”

Professor Constantino Pitzalis, Professor of Experimental Medicine and Rheumatology, Barts Health NHS Trust, UK
“Maximising Therapeutic Utility for Rheumatoid Arthritis using genetic and genomic tissue responses to stratify medicines (MUTARA Consortium)”

Professor Nikola Kasabov, Director Knowledge Engineering and Discovery Research Institute, FDCT Auckland University of Technology, New Zealand
“Brain-like neurocomputation in Bio- and Neuroinformatics: From big data to personalised medicine.”

11.05 am Dr Loic Lhuillier, Programme Manager, Stratified Medicine, Innovate UK

Chris Roche, Chief Executive Officer, Aridha, UK “Stratified Medicine Scotland: powered by AnalytiXagility, open for business”

11.25 am Q&A

11.45 am Q&A

12.00 pm Break for Lunch - Poster Viewing Session

Breakout Session

Chaired by Dave Clarke, Asystec Ltd
Accessing large Datasets

Chaired by Aedín McCarter, Derry City and Strabane District Council
Methods of Funding

1.00 pm Brian Perkins, Senior Development Manager, SAU, Databank, Swansea University Medical School, UK
“Building data platforms to support research, evaluation & commerce”

Ian Murphy, Director of Growth & Scaling, InvestNI
“Entrepreneurship - The Secret Ingredient”

1.15 pm Siobhan Morgan, Statistician / Sandy Fitzpatrick, Head of Information and Registration Unit, BSO, NI “HSCNI Honest Broker Service”

Joel Ferguson, KTP Adviser (NI), Innovate UK “Knowledge Transfer Partnerships: Funding Innovation through Knowledge Transfer”

1.30 pm Dr Danny Kerr, Lecturer, School of Health Sciences, Ulster University, NI

John Farrell, Assistant Director, Healthcare Transformation, DHSSPS, NI “Maximising Impact with Europe”

1.45 pm Dr Maria Loane, Lecturer in Public Health, Institute of Nursing and Health Research, Ulster University, NI “Are two datasets better than one? Experience from European studies”

Dr Shirley Davey, EU Thematic Lead Connected Health, H2020, NISP, NI “Horizon 2020 - 2016 and Beyond”

2.00 pm Dr KongFatt Wong-Lin, Lecturer, Neural Systems and Neuro-Technology Team, Ulster University, NI “Computational neurology: Merging computational neuroscience with mental health analytics”

Patricia McCrory, EU Thematic Lead Health, H2020, NISP, NI “Horizon 2020 funding for health, demographic change and wellbeing: 2016/17 priorities”

2.15 pm Stephen Lusty, Director, JAG’L Consulting, Belfast, NI

2.30 pm Q&A

2.45 pm Closing Remarks & Prizegiving

Q&A