JOINT Event

12th International Conference and Expo on **Proteomics & Molecular Medicine** & 12th International Conference on Advancements in **Bioinformatics and Drug Discovery**

Day 1 | November 26, 2018 | Monday	
	Meeting room: Fitzgerald North
09:00-09:30	**Registrations**
09:30-09:50	**Opening Ceremony**
Keynote Forum	
09:50-10:00	**Introduction**
10:00-10:40	**Title: The international debate on the regulation of the new gene editing methods** **Niklaus Ammann, University of Bern, Switzerland**
10:40-11:20	**Title: T-patterns and self-similarity from the RNA world to human mass-societies** **Magnus S. Magnusson, University of Iceland, Iceland**
	Group Photo
	Network & Refreshment Break 11:20-11:40 @ Main Lobby
11:40-12:20	**Title: Artificial neural network algorithms for biomarker discovery, pathway modelling and drug target identification** **Graham Ball, CompanDX, UK**
Sessions	**Proteomics and Molecular Medicine | Bioinformatics | Applied Proteomics and Molecular Medicine | Mass Spectrometry in Proteome Research | Proteomics for Bioinformatics | Proteomics from Discovery to Function | Protein Expression and Analysis**
	Session Introduction
Chair	**Laszlo Takacs, Biosystems International Kft, Hungary**
12:20-12:45	**Title: *In vitro* gentamicin exposure alters caveolae protein profile in cochlear spiral ligament pericytes** **Elisa Ghelfi, Harvard T.H. Chan School of Public Health, USA**
12:45-13:10	**Title: miRmapper: A tool for interpretation of miRNA-mRNA interaction networks** **Gary Hardiman, Medical University of South Carolina, USA**
	Lunch Break 13:10-14:10 @ L J's Restaurant
14:10-14:35	**Title: Future of blood plasma profiling for medical diagnostics A review of current trends** **Laszlo Takacs, Biosystems International Kft, Hungary**
14:35-15:00	**Title: Maximizing troughput, analytical depth and sensitivity for clinical proteomics discovery using PASEF on a tims-Equiped UHR-Q-TOF** **Pierre-Olivier Schmit, Bruker Daltonics, France**
15:00-15:25	**Title: Adaptive evolution and functional regulation of uORFs in *Drosophila*** **Jian Lu, Peking University, China**
15:25-15:50	**Title: Protein carbamylation: The discovery of a carbon dioxide control system** **Victoria Linthwaite, Durham University, UK**
15:50-16:15	**Title: Recombinant Cyclins and their CDKs in *Escherichia coli*: Expression and purification for soluble active products and characterization with putative inhibitors** **Nikolopoulos Vaios, University of Thessaly, Greece**
16:15-16:40	**Title: Ovine hepatic mitochondrial membrane proteome: Assessing mechanisms of seasonal weight loss tolerance using Blue-native PAGE coupled to mass spectrometry** **Blake A. Miller, Ross University School of Veterinary Medicine, Saint Kitts and Nevis**
	Network & Refreshment Break 16:40-17:00 @ Main Lobby
Panel Discussions	

Day 2 | November 27, 2018 | Tuesday	
	Meeting room: Fitzgerald North
Keynote Forum	
09:50-10:00	**Introduction**
10:00-10:40	**Title: The solution is out there: focus on microalgae** **Frédéric Fonlut, Biotechnology Consulting, Spain**
10:40-11:20	**Title: The centers of premeltons signal the beginning and ends of genes** **Henry M. Sobell, University of Rochester, USA**
	Network & Refreshment Break 11:20-11:40 @ Main Lobby
Sessions	**Proteomics and its Research | Systems Biology in Bioinformatics | Protein Expression and Analysis | Molecular Diagnostics and Devices | Bioinformatics | Proteomics from Discovery to Function**
	Session Introduction
Chair	**Graham Ball, CompanDX, UK**
11:40-12:05	**Title: A golden (Rice) opportunity** **Niklaus Ammann, University of Bern, Switzerland**
12:05-12:30	**Title: A systems pharmacology approach to higher order drug combinations in prostate cancer** **H Alexander Ebhardt, Systems Biology Ireland- UCD, Ireland**
12:30-12:55	**Title: Molecular dissection of Meiotic recombination by screening novel regulatory factors in mice** **Hiroki Shibuya, University of Gothenburg, Sweden**
12:55-13:20	**Title: Deciphering the molecular mechanism of ineffective erthropoiesis in ß -thalassemia/HbE from integrated proteomic analysis** **Saranyoo Ponnikorn, Thammasat University, Thailand**
	Lunch Break 13:20-14:20 @ L J's Restaurant
14:20-14:45	**Title: Reducing the gap between phenotypes and genotypes via comparing tagged whole genomic sequences** **Jing-Doo Wang, Asia University, Taiwan**
14:45-15:10	**Title: Proteomic characterization of dairy cattle plasma: Establishment of biomarkers for endometritis** **Blake A. Miller, Ross University School of Veterinary Medicine, Saint Kitts and Nevis**
15:10-15:35	**Title: Developing high sensitivity/specificity detection systems for proteomic studies using Adhirons coupled with fluorescence for studying protein interactions** **Robina Khan, Leicester University, UK**
15:35-16:00	**Title: Molecular diversity of the cutaneous proteome and peptidome of the frog Dendropsophus columbianus (Boettger, 1892)** **Luz Elena Triana-Vidal, University Libre of Colombia, Colombia**
Poster Presentations 16:00-16:30 @ Main Lobby	
	Poster Judge: Niklaus Ammann, University of Bern, Switzerland
PBC-01	**Title: Functional annotation of proteoforms in the Mouse Genome Database using the Protein Ontology** **Li Ni, The Jackson Laboratory, USA**
PBC-02	**Title: Single-Molecule Peptide Sequencing - Directed Evolution of ClpS for an N-terminal Amino Acid Binder** **Nicholas Callahan, Institute of Bioscience and Biotechnology, USA**
PBC-03	**Title: Investigation of polymorphism Fok I VDR receptor gene of vitamin D with low levels of vitamin D and insulin resistance as risk as risk factors for type-2 Diabetes** **Nikolopoulos Vaios, University of Thessaly, Greece**

PBC-04	**Title: Predictions of the structure of Bacillus subtilis GerA germination receptor complex in the membrane model** **Inga Jamrozek, Intercollegiate Faculty of Biotechnology – UG MUG, Poland**
Network & Refreshment Break 16:30-16:50 @ Main Lobby	
Panel Discussions	
Day 3 | November 28, 2018 | Wednesday	
Networking and Lunch @ L J's Restaurant	
Awards & Closing Ceremony	
NOTE: Program Shedule timings is subject to change with final allotment of the speaker slots	