

Applying the Proteomic-Bioinformatics strength to strengthen research - OMICS Conferences

3rd International Conference on Proteomics & Bioinformatics during July 15-17, 2013 at Courtyard by Marriott Philadelphia Downtown, USA.

LOS ANGELES, CA, July 16, 2013 /EINPresswire.com/ -- Marc Wilkins, a PhD student that was studying the combination of proteins and genomics coined a new word 'Proteomics' in 1994 that came into wider circulation by 1997. It is nothing but a detailed and a macro level study on proteins, particularly their structures and functions. They are vital and the primary components for any living organism and an interdisciplinary field that widely make use of ICTs for storing, retrieving, organizing and analyzing the biological data. It is basically used in data mining and archiving.

A branch of Biotechnology is a combination of molecular biology, bio chemistry and genes and analyzes the structures, functions and the interaction of proteins produced by the genes in a particular cell, tissue, or organism. Bioinformatics facilitates innovative ways of handling massive data by providing more improved algorithms.



3rd International Conference on Proteomics & Bioinformatics 2013



The growing importance of this field with the onset of ICTs invoked the [OMICS Group](#) to announce its 3rd International Conference on Proteomics & Bioinformatics during July 15-17, 2013 at Courtyard by Marriott Philadelphia Downtown, USA.

Proteomics-2013 conference has been appreciated with a huge gathering from more-than 30 countries.

Keynote Speakers:

Edward A. Dennis, University of California at San Diego, USA spoke about "Integration of geonomics, proteomics, and metabolomics in the systems biology of lipid metabolism and signaling". He

discussed about the evolution and the growth of the Proteomics and its significance over the years to come. Edward A. Dennis is Distinguished Professor of Chemistry and Biochemistry and of Pharmacology in the School of Medicine at the University of California at San Diego (UCSD).

Tommy Nilsson from the Research Institute of the McGill University Health Center, Canada talked about “Lipid droplets at the crossroad of non-alcoholic fatty liver disease”. He discussed about how 2.7% of the lean population and 18.5% of the markedly obese have non-alcoholic steatohepatitis (NASH). This chronic disease is often preceded by non-alcoholic fatty liver (NAFL) and can deteriorate into non-reversible liver fibrosis, cirrhosis and hepatocellular cancer. Mr. Nilsson completed his doctoral studies at the Scripps Clinic & Research Foundation, USA and at Uppsala University, Sweden. His post-doctoral studies were at Cancer Research UK. Dr. Nilsson is Professor of Medicine at McGill University and Director of Proteomics at McGill University and the Research Institute of the McGill University Health Centre.

Jan E. Schnitzer is the Director of PRISM since July 2009. Prior to PRISM, he was Professor of Molecular and Cellular Biology at the Sidney Kimmel Cancer Center (1999-2009), where his laboratory received grant support (>\$55 million) from NCI, NHLBI, DOD, and California state agencies (TRDRP and CBCRP). Prior to SKCC in 1999, He was an Associate Professor of Pathology at Harvard Medical School and the Beth Israel Deaconess Medical Center in Boston, Massachusetts. From 1990 to 1994, he was an Assistant Professor of



Pathology and Medicine at the University of California San Diego School of Medicine and Institute of Biomedical Engineering. He received a BSE in Chemical Engineering from Princeton University and from the University of Pittsburgh Medical School. He did his postdoctoral training at Yale University School of Medicine in the Department of Cell Biology under the mentorship of the Nobel.

Jonathon Coren, Elizabethtown College, USA delivered his talk on “An arrayed human genomic library constructed in the PAC shuttle vector pJCPAC-Mam2 for genome-wide association studies and gene therapy”. This was about the Human Genome Project that has ushered in the era of big science. The International HapMap Project’s original goal was to catalog the millions of single nucleotide polymorphisms (SNPs) present in the population into many haplotypes in an attempt to establish links between certain variants and specific diseases. All of this research has uncovered over 150 risk loci for more than 60 common diseases and traits. Jonathon Coren obtained his Ph.D. in Genetics from Cornell University in 1991. He did a postdoc at Thomas Jefferson University from 1991-1993. Jon next pursued a postdoc in Nat Sternberg's lab at DuPont Merck Pharmaceutical Company where he modified the P1 bacteriophage cloning system into a P1 Artificial Chromosome (PAC) system. He started as a tenure-track Assistant Professor at Southwestern Oklahoma State University in Weatherford, Oklahoma in 1999. Jon received a \$100, 000 NIH R15 AREA grants HG002216- 01A1 in September of 2001. He started teaching at Elizabethtown College in 2002 and was tenured and promoted to Associate Professor in 2006.

Workshop

Steven Pelech, President& CEO of Kinexus Bioinformatics Corporation held a workshop on “Using the open access online Signet Knowledge Bank for Meta analysis of human protein expression, Phosphorylation, kinase-protein and kinase- drug Interaction.

Future Proteomics Conference:

OMICS [Proteomics-2014](#) has been scheduled during August 04-06, 2014 Chicago, USA

For further details contact

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