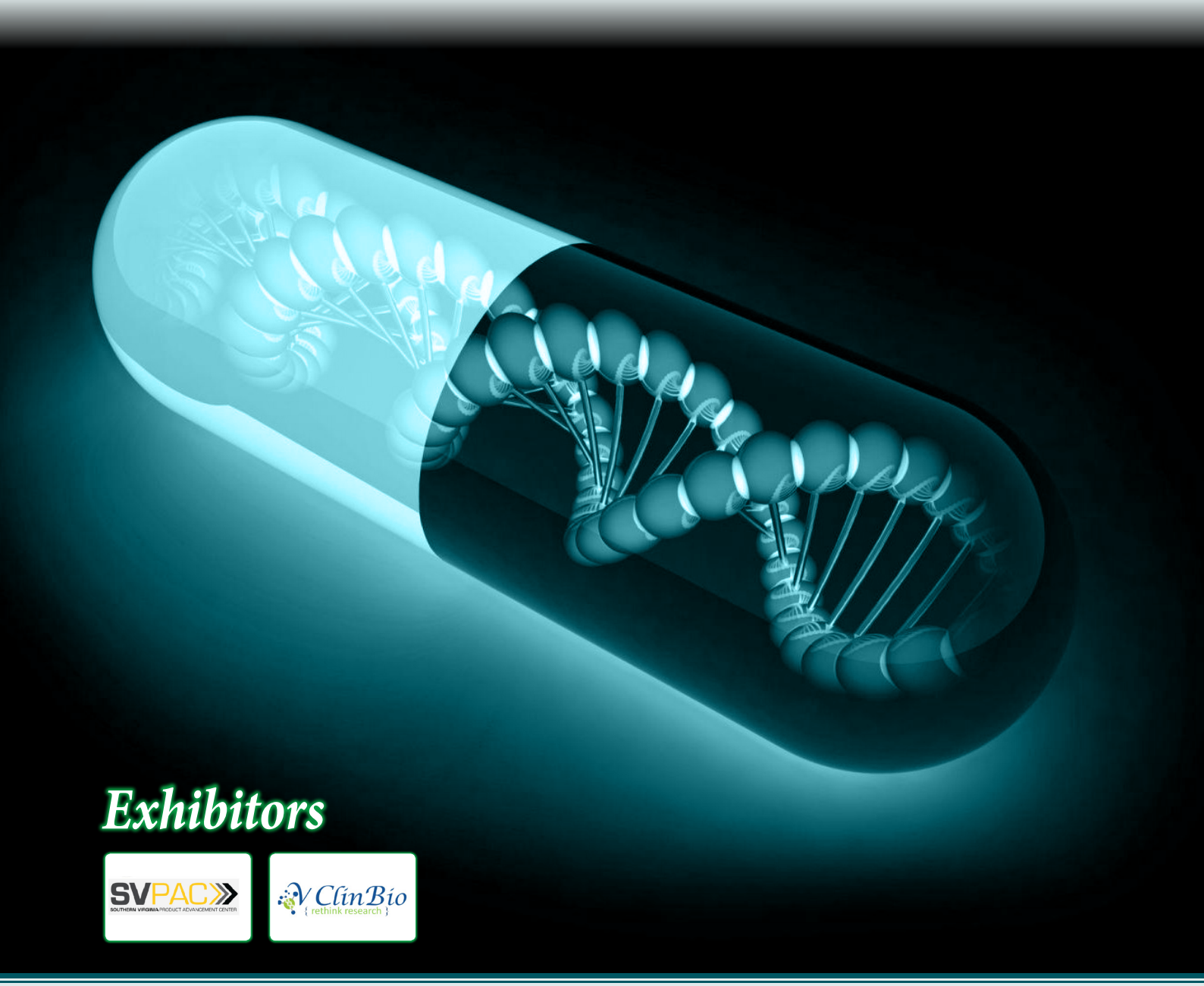
204th OMICS Group Conference

Scientific Program

OMICS Group Conferences
Accelerating Scientific Discovery

2nd International Conference on
Genomics & Pharmacogenomics

September 08-10, 2014 DoubleTree by Hilton Hotel Raleigh-Brownstone-University, USA



Exhibitors

SVPAC Southern Virginia Product Advancement Center

ClinBio { rethink research }

"Organize your Events at OMICS Group Conferences"

Proposals are invited for organizing Symposia/Workshops at OMICS Group Conferences or OMICS Group will sponsor small events at your universities in related areas under the title of your own. These proposals can be sent to respective conference mail ids or to *symposia@omicsonline.org*

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Email: *genomics2014@omicsgroup.us*

Day 1 September 08, 2014

08:00-09:00 Registrations

Jefferson Room

10:00-10:25 **Opening Ceremony**

Keynote Forum

10:25-10:30 **Introduction**

10:30-10:55 **Krishna Dronamraju**
Foundation for Genetic Research, USA

10:55-11:20 **Chava Kimchi-Sarfaty**
Food and Drug Administration, USA

Coffee Break 11:20-11:40 @ Pre-Function Area

11:40-12:05 **Zuben E Sauna**
Food and Drug Administration, USA

12:.05-12:30 **Anton A Komar**
Cleveland State University, USA

Track 1: Functional Genomics
Track 2: Transcriptional Profiling
Track 3: m-RNA Analysis
Track 4: Cancer Genomics
Track 5: Analysis of Non-coding RNA

Session Introduction

Session Chair: Anton A Komar, Cleveland State University, USA
Session Co-Chair: Chava Kimchi-Sarfaty, Food and Drug Administration, USA

12:30-12:50 **A Genome-wide polyribosome profiling revealed a post-transcriptional operon as an endogenous defense against inflammation**
Barsanjit Mazumder, Cleveland State University, USA

12:50-13:10 **The androgen receptor mRNA and miRNA dynamics**
Girish C Shukla, Cleveland State University, USA

Lunch Break 13:10-14:10 @ Sessions Room

14:10-14:30 **Enzymes and biotechnology: Can we overcome modern challenges?**
Junio Cota Silva, VTT Brazil, Brazil

14:30-14:50 **The coding potential of *Pseudomonas aeruginosa*: Gene discovery across strains by computational comparative genomics and ribosome profiling.**
Luciano Brocchieri, University of Florida, USA

14:50-15:10 **Single-cell RNA-seq profiling identified molecular signatures and transcriptional networks regulating lung maturation**
Xu Yan, Cincinnati Children's Hospital Medical Center, USA

15:10-15:30 **Using nascent RNA's to study the transcriptional regulation in adipocytes**
Kyoung-Jae Won, University of Pennsylvania, USA

15:30-15:50 **Construction of the big data processing environment and mathematical modeling for psychiatric diagnosis in a cloud computing system**
Kazuo Ishii, Tokyo University of Agriculture and Technology, Japan

15:50-16:10 **DNA binding sites for transcriptional activators and expression and activation of resistance genes**
Maria M Tavio, University of Las Palmas de Gran Canaria, Spain

Coffee Break 16:10-16:30 @ Pre-Function Area

17:00-18:00 Cocktails sponsored by **Journal of Molecular and Genetic Medicine @ Pre-Function Area**

Panel Discussions

Day 2 September 09, 2014

Jefferson Room

09:30-10:00 Registrations

Track 6: Digital Gene Expression & Modern Genetics
Track 7: Evolutionary and Comparitive Genomics
Track 8: Genomic Technology and Methodology Development
Track 9: Next Generation Sequencing Services

Session Chair: J Claiborne Stephens, Genomics GPS, LLC, USA
Session Co-Chair: Patricia E Berg, George Washington University Medical Center, USA

10:00-10:20 **Shifting the paradigm for genetic sample resources**
J Claiborne Stephens, Genomics GPS, LLC, USA

10:20-10:40 ***BP1*, A potential oncogene over expressed in Cancer**
Patricia E Berg, George Washington University Medical Center, USA

10:40-11:00 **On the epigenetic properties of the DNA information**
Simon Berkovich, The George Washington University, USA

Coffee Break 11:00-11:20 @ Pre-Function Area

11:20-11:40 **Prenatal diagnosis**
Allan J Fisher, HCA VA Hospitals, USA

11:40-12:00 **Analysis of free circulating DNA in peripheral blood**
Piotr Mieczkowsk, University of North Carolina, USA

12:00-12:20 **Structure-based modeling of the effects of missense mutations associated with human disorders**
Emil Alexov, Clemson University, USA

12:20-12:40 **Emergence of novel CpG island is the key genomic change for the evolution of mammalian genomic imprinting**
Shunsuke Suzuki, Shinshu University, Japan

12:40-13:00 **"mMAP" database and metabolomics data analysis pipeline for mouse functional genomics experiments**
Preeti Bais, The Jackson Laboratory for Genomic Medicine, USA

Lunch Break 13:00-14:00 @ Sessions Room

14:00-14:20 **Computational biomarker discovery in the big data era: From translational biomedical informatics to systems medicine**
Bairong Shen, Soochow University, China

14:20-14:40 **Organization and evolution of a novel yeast CDEI-like repeat cervid satellite DNA**
Y C Li, Chung-Shan Medical University, Taiwan

14:40-15:00 **Multiple solutions for genomics and pharmacogenomics**
Yuhua Li, Shanghai Biotechnology Corporation, China

15:00-15:20 **Using imaging tools to track the phenotype changes to capture potential genotype changes**
Mei Xiao, The Jackson Laboratory, USA

Coffee Break 15:20-15:40 @ Pre-Function Area

16:00-17:00 Poster Presentations @ Pre-Function Area

17:00-18:00 Cocktails sponsored by **Journal of Molecular and Genetic Medicine @ Pre-Function Area**

Day 3 September 10, 2014

Jefferson Room

Track 10: Next Generation Sequencing Services
Track 11: Pharmacogenomics Past, Present and Future
Track 12: Plant & Ecological Genomics

Session Introduction

Session Chair: Subbu Apparsundaram, V ClinBio LLC, USA

10:00-10:20 **Biomarkers and pharmacogenomics in CNS disorders**
Subbu Apparsundaram, V ClinBio LLC, USA

10:20-10:40 **Using DNA copy number aberrations in naturally occurring canine cancers to identify candidate drivers of carcinogenesis**
Daniel Rotroff, North Carolina State University, USA

10:40-11:00 **Decoding epigenome with integrative "Omics" data analysis**
Hehuang Xie, Virginia Bioinformatics Institute, USA

Coffee Break 11:00-11:20 @ Pre-Function Area

11:20-11:40 **Genetic polymorphisms of pharmacogenomic VIP variants in the various ethnic minority from China**
HuiJuan Wang, Northwest University, China

11:40-12:00 **Genotoxic and histopathological aspects of treatment with grape seed extract on cancer induced with cyclophosphamide in mice**
Aboul-ela E I, National Research Centre, Egypt

12:00-12:20 **Pharmacogenetic kit for individual correction of Warfarin and Clopidogrel dosage in central Asian population**
Pavel Tarlykov, General Genetics Ltd., Kazakhstan

12:00-12:40 **Award Presentations**

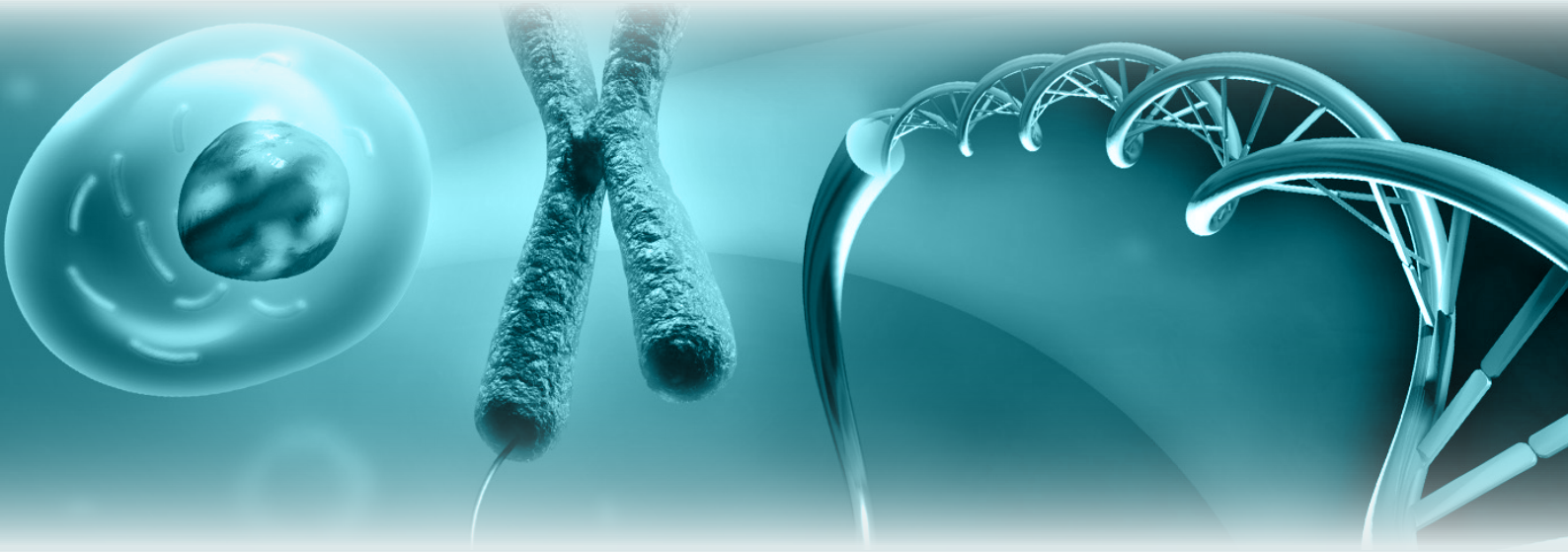
Lunch Break 12:40-13:40 @ Sessions Room

Panel Discussions

Bookmark your dates

OMICS Group Conferences
Accelerating Scientific Discovery

3rd International Conference on
Genomics & Pharmacogenomics
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