4TH ANNUAL CARDIOSYMPHOSUM
HOSTED BY ACEA BIOSCIENCES
SEPT 16-17, 2016 | VANCOUVER, CANADA

AGENDA:
September 16 (4:30PM - 9:00PM)
Evening reception with poster presentation
September 17 (7:30AM - 4:30PM)
Main session with talks

LOCATION:
Hyatt Regency Vancouver
655 Burrard St, Vancouver
BC V6C 2R7, Canada

FEATURED SPEAKERS:

Farah Sheikh, Ph.D., FCVS, FAHA
University of California, San Diego, USA
Talk title: Human Induced Pluripotent Stem Cells Capture Clinical Heterogeneity In Hearts of Cardiomyopathy Patients and Provide A Platform To Uncover Therapeutics

Hong Shi, M.D.
Bristol-Myers Squibb, USA
Talk title: Human iPSC cardiomyocytes recapitulate bradycardia observed in patients treated with sphingosine-1-phosphate receptor agonists

Jason Maynes, M.D., Ph.D.
The Hospital for Sick Children, CANADA
Talk title: Measuring Clinical Cardiac Effect and Toxicity

Kohei Sawada, Ph.D.
Eisai, JAPAN
Talk title: Clinically relevant electrophysiological properties of human iPS cell-derived cardiomyocytes for the assessment of drug-induced Torsade de pointes risk

Ksenia Blinova, Ph.D.
Food and Drug Administration, USA
Talk title: Human Stem Cell Derived Cardiomyocytes in Cardiac Safety Assessment

Liang Guo, M.D., M.Sc.
FNLCR/NCI, USA
Talk title: Maturation of Human iPSC-cardiomyocytes in Long-term Culture for Cardiotoxicity Testing

Maria Roman, Ph.D.
Merck Research Labs, USA
Talk title: Towards a Better Understanding of the Impedance Signal as an Indirect Measurement of Contractility in iCells/iPSC-derived Cardiomyocytes

Xi Yang, Ph.D.
Food and Drug Administration, USA
Talk title: Identify Biomarkers to Predict Tyrosine Kinase Inhibitors (TKIs) -Induced Cardiotoxicity Using iPSC-Derived Cardiomyocytes

Yuko Sekino, Ph.D.
National Institute of Health Sciences, JAPAN
Talk title: Activity of Japan iPS Cardiac Safety Assessment (JiCSA) toward the new strategy of the Safety Pharmacology

Yama Abassi, Ph.D.
ACEA Biosciences, USA
Talk title: The CardioECR System: An Electromechanical Window into Cardiomyocyte Physiology

Registration site: http://www.cvent.com/d/3fqt4d/1Q
# 4TH ANNUAL CARDIOSYMPOSIUM AGENDA
HOSTED BY ACEA BIOSCIENCES
SEPT 16-17, 2016 | VANCOUVER, CANADA

## Friday, September 16, 2016

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<th>Time</th>
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<tr>
<td>4:30 PM – 6:00 PM</td>
<td>Registration</td>
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</table>
| 6:00 PM – 9:00 PM | Welcome Reception and Poster Session  
|                 | Even # Poster Presentation (6:00 PM – 7:00 PM)  
|                 | Odd # Poster Presentation (7:00 PM – 8:00 PM)                             |

## Saturday, September 17, 2016

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<tr>
<td>7:30 AM – 8:30 AM</td>
<td>Breakfast &amp; Registration</td>
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</tbody>
</table>
| 8:30 AM – 8:50 AM| The CardioECR System: An Electromechanical Window into Cardiomyocyte Physiology  
|                 | Yama Abassi, Ph.D.  
|                 | ACEA Biosciences                                                                                                                                       |

### Session I: Cardiovascular Disease Models & Therapy

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| 8:55 AM – 9:20 AM| Measuring Clinical Cardiac Effect and Toxicity  
|                 | Jason Maynes, M.D., Ph.D.  
|                 | The Hospital for Sick Children, CANADA                                                                                                                      |
| 9:25 AM – 9:50 AM| Human iPSC Cardiomyocytes Recapitulate Bradycardia Observed in Patients Treated With Sphingosine-1-phosphate Receptor Agonists  
|                 | Hong Shi, M.D.  
|                 | (Bristol-Myers Squibb, USA)                                                                                                                                |
| 9:55 AM – 10:20 AM| Human Induced Pluripotent Stem Cells Capture Clinical Heterogeneity In Hearts of Cardiomyopathy Patients and Provide A Platform To Uncover Therapeutics  
|                 | Farah Sheikh, Ph.D., FCVS, FAHA  
|                 | University of California, San Diego, USA                                                                                                                   |
| 10:25 AM – 10:55 AM| Morning Break Session                                                                                                                                 |

### Session II: Cardiac Safety Discovery

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| 10:55 AM – 11:20 AM| Towards a Better Understanding of the Impedance Signal as an Indirect Measurement of Contractility in iCells/iPSC-derived Cardiomyocytes  
|                 | Maria Roman, Ph.D.  
|                 | Merck Research Labs, USA                                                                                                                                   |
| 11:25 AM – 11:50 AM| Identify Biomarkers to Predict Tyrosine Kinase Inhibitors (TKIs) -Induced Cardiotoxicity Using iPSC- Derived Cardiomyocytes  
|                 | Xi Yang, Ph.D.  
|                 | Division of Systems Biology/National Center for Toxicological Research at FDA, USA                                                                        |
|                 | Kohei Sawada, Ph.D.  
|                 | Eisai, JAPAN                                                                                                                                                    |
| 12:25 PM – 2:00 PM| Lunch & Networking                                                                                                                                           |

### Session III: Cardiac Safety Assessment

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| 2:00 PM – 2:25 PM| Human Stem Cell Derived Cardiomyocytes in Cardiac Safety Assessment  
|                 | Ksenia Blinova, Ph.D.  
|                 | Food and Drug Administration, USA                                                                                                                             |
| 2:30 PM – 2:55 PM| Maturation of Human iPSC-cardiomyocytes in Long-term Culture for Cardiotoxicity Testing  
|                 | Liang Guo, M.D., M.Sc.  
|                 | FNLCR/NCI, USA                                                                                                                                                    |
| 3:00 PM – 3:25 PM| Activity of Japan iPS Cardiac Safety Assessment (JiCSA) toward the new strategy of the Safety Pharmacology  
|                 | Yuko Sekino, Ph.D.  
|                 | National Institute of Health Sciences, JAPAN                                                                                                                   |
| 3:30 PM – 4:30 PM| Panel Discussion  
|                 | Cardio Safety Assessment using iPSC Cardiomyocyte and Future Regulatory Decision  
| 4:30 PM         | Meeting Concludes                                                                                                                                              |