



Partnered with the 4th Annual Canadian Cardiac Oncology Network conference

The 2nd Annual Ottawa Heart Research Conference: Personalized Cardiovascular Medicine

Ottawa Convention Centre, Thursday, May 8, 2014
CONFERENCE PROGRAM

| 7:30 - 8:15 | Breakfast | Colonel By Foyer |
|-------------|-----------------|---|
| 8:15 - 8:20 | Welcome | Dr Ruth McPherson, Chair Dr Katey Rayner, Vice Chair |
| 8:20 – 8:30 | Welcome Address | Dr Thierry Mesana, President and CEO University of Ottawa Heart Institute |

| 8:30 - 12:00 | SESSION I Genetics and Pharmacogenomics | | | |
|---|--|---|--|--|
| *Learning Objectives: By the end of this session, participants will be able to: | | | | |
| 8:30 - 9:10 | Cardiovascular Pharmacogenomics: Giving the right drug to the right patient | Dr Naveen Pereira Mayo Clinic | | |
| | * Illustrate the concept of genetic variation and its effect on drug response *Apply the currently used strategy to evaluate the effect of genetic variation on drug response *Recall the pharmacokinetic and pharmacodynamic pathways of drug effect *Recall the effect of genetic variation on the action of beta-blockers, Warfarin and Clopidogrel | | | |
| 9:10 – 9:25 | Need for Speed: The power of point-of-care DNA testing *Comprehend the clinical need for rapid CYP2C19 results for PCI patients *Identify bow point of organisation testing will improve potions and in the | Dr Paul Lem Spartan Bioscience Inc | | |
| 9:25 – 10:00 | *Identify how point-of-care genetic testing will improve patient card in the future HONORARY LECTURE Genetics of Coronary Artery Disease | Dr Robert Roberts University of Ottawa Heart Institute | | |
| 10:00 – 10:15 | Break | Colonel By Foyer | | |
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JOINT PLENARY SESSION with the 4th Annual Canadian Cardiac Oncology Network Conference

10:15 – 11:10 Kinase inhibitors in cancer and the heart:

Dealing with the other side of the coin

Dr Thomas Force Temple University

^{*} Recognize mechanisms of cardio toxicity of kinase inhibitors

^{*} Recall future directions to prevent cardio toxicity

| 11:10 – 11:45 | The Future of Personalized Medicine: Economics, Regulatory and Technology * Comprehend the various technology assessment frameworks * Understand the regulatory and reimbursement challenges associated with personalized medicine * Define examples of companion diagnostics used in oncology and cardiology | Dr Brian O'Rourke Canadian Agency for Drugs and Technologies in Health (CADTH) |
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| 11:45 – 12:00 | Why Simple Collection of High Quality Samples Makes a Difference * Recognize why the quality of DNA samples can be important for molecular genetic testing | Dr Chaim Birnboim DNA Genotek Inc |
| 12:00 – 13:00 | Lunch | Colonel By Foyer |
| 13:00 – 15:00 | SESSION II Emerging Tools for Diagnosis and Disease Management | |
| 13:00 – 13:40 | Mining GWAS Data to Obtain a Better Understanding of Complex Disease * Understand the limits and opportunities of existing GWAS data sets for CAD Recognize approaches for understanding the contribution of SNPs, genes and pathways to atherosclerosis | Dr Ruth McPherson University of Ottawa Heart Institute |
| 13:40 – 14:20 | Human Pluripotent Stem Cells: From mechanisms of disease and to novel therapeutics | Dr William Stanford Ottawa Hospital Research Institute |
| | * Define pluripotent stem cells to model disease and as a platform to discover novel therapeutics * Compare induced pluripotent stem cells and gene edited pluripotent stem cells * Discuss the prospects for using pluripotent stem cells as cellular therapeutics | |
| 14:20 – 15:00 | · | Dr Philip Marsden St Michael's Hospital |
| 15:00 – 15:30 | Break | Colonel By Foyer |
| 15:30 – 17:00 | SESSION III New Kids on the Block: Personalized Medicine in 2014 | |
| 15:30 – 16:15 | Restoring a Failing Heart: A dynamic effect of myocardial proteins * Interpret the role of protein dynamics in heart failure * Learn integration of Omic data sets in cardiac disease phenotypes | Dr Pei Pei Ping University of California, Los Angeles (UCLA) |
| 16:15 – 16:30 | Closing Remarks and Evaluations | |
| 16:30 – 18:00 | Poster Session and Networking Reception | Rideau Canal Atrium |
| 18:00 – 18:15 | Closing Page 3 | Rideau Canal Atrium |
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