



2<sup>nd</sup> SOCRATES Scientific Meeting 2014  
**Clinical Translation of Stem Cells Extracellular Vesicles (EV)**

**3<sup>rd</sup> - 4<sup>th</sup> Nov 2014**  
**Aspiration Theatre, L2M Matrix, Biopolis, Singapore**

**Scientific Program**

**3<sup>rd</sup> November 2014, Monday (Day 1)**

1300 - 1350hrs	<b>Registration &amp; Coffee/ Tea</b>
1350 – 1400hrs	<b>Welcome Speech</b> Prof Birgitte Lane Executive Director, A*STAR Institute of Medical Biology, <i>SINGAPORE</i>
<b>SESSION I</b>	<b>Stem Cell-based Regenerative Medicine: Cell vs. EV</b> <b>Chairpersons: Prof Tan Kok Hian</b>
1400 – 1440hrs	<b>Mesenchymal Stem Cell Exosomes in Cardiovascular Disease</b> Prof Dominique P.V. de Kleijn Preclinical Director, Cardiovascular Research Institute (CVRI), National University Health System (NUHS), <i>SINGAPORE</i>
1440 – 1520hrs	<b>Mesenchymal Stem Cell-Derived Exosomes - A Novel Tool to Treat Severe Acute Graft-Versus-Host Disease?</b> Dr Lambros Kordelas Institute of Transfusion Medicine, University Hospital Duisburg-Essen, <i>GERMANY</i>
<b>1520 – 1545hrs</b>	<b>Coffee / Tea Break</b>
1545 – 1625hrs	<b>Mesenchymal Stem Cell Exosome: A Non-cellular Therapeutic Alternative to Mesenchymal Stem Cells Transplantation</b> Dr Ruenn Chai Lai Senior Research Fellow, A*STAR Institute of Medical Biology, <i>SINGAPORE</i>
1625 – 1705hrs	<b>Cellular and Sub-cellular Therapy of Severe Inherited Skin Disorder</b> Prof Jakob Tolar Professor, University of Minnesota, <i>UNITED STATES OF AMERICA</i>
<b>1830hrs</b>	<b>Speakers' Dinner</b>

4<sup>th</sup> November 2014, Tuesday (Day 2)

<b>SESSION II</b>	<b>Stem Cell EV in Disease Models</b> <b>Chairpersons: Prof Karl Tryggvason</b>
<b>0830 – 0920hrs</b>	<b>Registration &amp; Coffee/ Tea</b>
0920 – 1000hrs	<b>Cardiosphere-derived Cell Exosomes are Critical Agents in Cell Therapy After Myocardial Infarction</b> Dr Ahmed Ibrahim Research Scientist, Capricor Therapeutics Inc., <i>UNITED STATES OF AMERICA</i>
1000 – 1040hrs	<b>Towards a GMP Exosome Product</b> Dr Randolph Corteling Head of Cell Biology, ReNeuron, <i>UNITED KINGDOM</i>
<b>1040 – 1105hrs</b>	<b>Coffee/ Tea Break</b>
1105 – 1145hrs	<b>Mesenchymal Stem Cell-derived Exosomes in Drug-induced Liver Injury</b> Prof Ho Han Kiat Assistant Professor, National University of Singapore (NUS), <i>SINGAPORE</i>
1145 – 1220hrs	<b>Autoimmunity and Tolerance Induction to Secreted Microvesicles/Exosomes From Insulinoma and Islet Mesenchymal Stem Cells</b> Prof Yang D. Dai Assistant Professor, The Scripps Research Institute, La Jolla, California, <i>UNITED STATES OF AMERICA</i>
1220 – 1300hrs	<b>Bone Marrow Derived Mesenchymal Stem Cells Use Extracellular Vesicles to Outsource Mitophagy and Modulate Immune Responses During Lung Inflammation</b> Prof Luis A. Ortiz Director, Division of Occupational Medicine, University of Pittsburgh, <i>UNITED STATES OF AMERICA</i>
<b>1300– 1400hrs</b>	<b>Lunch</b>
<b>SESSION III</b>	<b>Stem Cell EV: Isolation, Analysis, Manufacture, Safety and Regulatory Challenges</b> <b>Chairpersons: Prof Dominique P.V. de Kleijn</b>
1400 – 1440hrs	<b>Cell-based Gene Therapy: From the Idea to an Oncology Trial</b> Prof Ralf Huss Chief Scientific Officer, Apceh, <i>GERMANY</i>
1440 – 1520hrs	<b>Use of Sequential Centrifugal Ultrafiltration to Isolate Extracellular Vesicles Released From Human Colon Cancer LIM1863 Cells: Biochemical Characterisation of Shed Microvesicles and Exosomes</b> Prof Richard J. Simpson Professor, La Trobe Institute of Molecular Science, <i>AUSTRALIA</i>

1520 – 1600hrs	<b>Development of New Approaches for Isolation and Separation of Various Types of Extracellular Vesicles</b> Dr Igor Kurochkin Principal Investigator, A*STAR Bioinformatics Institute, <i>SINGAPORE</i>
<b>1600 – 1630hrs</b>	<b>Coffee/ Tea Break</b>
1630 – 1710hrs	<b>Isolating and Assaying for Mesenchymal Stem Cell Exosomes Based on Their Endosome Origin</b> Dr Lim Sai Kiang Research Director, A*STAR Institute of Medical Biology, <i>SINGAPORE</i>
1710 – 1750hrs	<b>Microfluidics Platforms for EV Isolation and Analysis</b> Dr Wang Zhiping Director (Research Programme), A*STAR SIMTECH, <i>SINGAPORE</i>
	<b>Closure</b>
1750 – 1800hrs	<b>Closing Speech</b> Prof Dominique P.V. de Kleijn Preclinical Director, Cardiovascular Research Institute (CVRI), National University Health System

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