

## ISCT 2007 Program

Saturday, June 23, 2007

8:00am – 5:00pm

**FACT Inspection & Accreditation Workshop (Pre-Registration Required)**

Visit: [www.factwebsite.org](http://www.factwebsite.org)  
(Bayside 102)

3:00pm – 7:00pm

**Registration (Bayside Foyer Level 1)**

Sunday, June 24, 2007

7:00am – 7:00pm

**Registration (Bayside Foyer Level 1)**

**Pre-Conference Workshop**

The Role of Flow Cytometry in Cellular Therapies **(Pre-Registration Required)**  
(Bayside 102)

8:30am – 10:30am

**Session I – Immune Cells**

**Chairs: David Gottlieb & John Barrett**

Introduction: Overview of Immune Therapy  
*John Barrett*

Immunomonitoring using Tetramer Technology  
*Ecki Kaempgen*

Flow cytometric identification and isolation of regulatory T cells  
*Barbara Fazekas de St Groth*

Effects of invariant NKT cell activation in transplantation  
*Geoff Hill*

10:30am – 11:00am

**Break**

11:00am – 12:30pm

**Session II – Hematopoietic Cell Signaling and Bone Marrow Immune Recovery Post PBSCT**

**Chairs: Cor Lamers & Rajiv Khanna**

Flow Cytometric Analysis of the Signaling Profile of Hematopoietic Precursor Cells  
*Olaf Zoellner*

**KEYNOTE**

Immune Recovery After Hematopoietic Cell Transplantation and Its Relation to the Graft Content of Immune Cells  
*Jan Storek*

12:30pm – 1:30pm

**Lunch**

1:30pm – 3:00pm

**Session III – Immunotherapy in LPD/HD**

**Chairs: Jan Storek & Barbara Fazekas de St. Groth**

Side Population Cells in CLL  
*Aaron Foster*

Chimeric Antigen Receptors  
*Cor Lamers*

Adoptive Immunotherapy in HD  
*Rajiv Khanna*

3:00pm – 3:30pm

**Break**

3:30pm – 4:30pm

**Session IV – T Cell Immunotherapy**

**Chairs: Mary Sartor & Aaron Foster**

Immunotherapy of cancer targeting the Lewis Y carbohydrate antigen  
*Phil Darcy*


Selecting antigen specific CTL  
*Rod Dunbar*

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Sunday, June 24, 2007 con't


12:30pm – 2:30pm	<b>Corporate Symposium sponsored by Invitrogen Dynal AS, Invitrogen Corporation T Cell-based Immunotherapeutic Strategies</b> <i>(Bayside Auditorium A)</i>	
3:00pm – 5:00pm	<b>Corporate Symposium sponsored by Miltenyi Biotec New Prospects in Cellular Therapy</b> <i>(Bayside Auditorium A)</i>	
5:30pm – 7:30pm	<b>Corporate Symposium sponsored by Baxter Healthcare Cellular Therapy for Cardiovascular Disease: Therapeutic Applications for CD34+ Adult, Autologous Stem Cells</b> <i>(Bayside Auditorium A)</i>	
7:30pm – 9:30pm	<b>Opening Remarks – Welcome Reception</b> <i>(Bayside Grand Hall)</i>	

Monday, June 25, 2007


7:00am – 6:30pm	<b>Registration</b> <i>(Bayside Foyer Level 1)</i>			
6:45am – 7:45am	<b>Breakfast</b> <i>(Bayside Foyer Level 1)</i>			
7:00am – 8:00am	<b>TB 1</b> How to Establish a Mesenchymal Stromal Cells Research Program <i>Armand Keating (Bayside 104)</i>	<b>TB 2</b> Benchmarking GTPs <i>Liz Cardwell Karen Edward (Bayside 102)</i>	<b>TB 3</b> Vector and Cell Release Criteria for Gene Therapy Protocols and Ancillary Reagents <i>Bruce Levine (Bayside 105)</i>	<b>TB 4</b> ANZTPA- The New Regulator and Cell Therapy Manufacturing Regulation in Australia and New Zealand <b>Chair: Mark Doverty</b> <i>Susanne Douglas Derek Fitzgerald (Bayside 103)</i>
	<b>Corporate Tutorial sponsored by LabWare</b> Paperless Management of Cellular Therapy Production Processes <i>(Bayside Auditorium A)</i>			
8:30am – 10:30am	<b>PLENARY SESSION I - Keynote</b> <i>(Bayside Auditorium A)</i> <b>Chairs: John Rasko &amp; Shelly Heimfeld</b> <b>Opening Remarks from Co-Chairs Dominic Wall and John Rasko</b> "Welcome to Country" Ceremony by original owners of the land. Genetic Analysis of the Immune System <i>Christopher Goodnow</i> Stem Cells, Pluripotency and Epigenetic Reprogramming: Medical Implications <i>Rudolf Jaenisch</i>			
	<b>Break in Exhibit Area</b> <i>(Bayside Grand Hall)</i>			
10:30am – 11:00am				
11:00am – 12:30pm	<b>PLENARY SESSION II - Immunotherapy &amp; Dendritic Cells</b> <i>(Bayside Auditorium A)</i> <b>Chair: Derek Hart</b> Selecting antigen-specific CTL for clinical applications <i>Rod Dunbar</i> Human regulatory T cells in health and disease <i>Barbara Fazekas de St Groth</i> Maximizing Dendritic Cell Migration for Clinical Therapy <i>Carl Figdor</i>			

# ISCT 2007 Program

Monday, June 25, 2007

12:45pm – 1:45pm	<b>Box Lunch in Exhibit Area</b> <i>(Bayside Grand Hall)</i>	<b>Corporate Tutorial sponsored by BioLife Solutions</b> Advances in Biopreservation: Next Generation Preservation Technologies  <i>(Bayside Auditorium A)</i>	<b>Commercialization Committee Meeting</b> <i>(Bayside 102)</i>
2:00pm – 3:30pm	<b>WORKSHOP 1</b> Early Stages of Product Commercialization <b>Chair: Dominic Wall</b> <i>Scott Burger, Geoff Symonds, Ray Wood</i> <i>(Bayside 105)</i>	<b>WORKSHOP 2</b> New Standards for Cellular Coding and Labeling <b>Chair: Paul Ashford</b> <i>Paul Ashford, Pat Distler, Ineke Slaper-Cortenbach, Alan Lankester</i> <i>(Bayside Auditorium A)</i>	<b>WORKSHOP 3</b> Dendritic Cells <b>Chair: James Young</b> <i>Ecki Kaempgen, Gunnar Kvalheim, James Young</i> <i>(Bayside 102)</i>
3:30pm – 4:30pm	<b>SPECIAL SESSION 1</b> NMDP - Validation of Shipping and Storage Protocols for Hematopoietic Progenitor Cell Products <b>Chair: John Miller</b> <i>Grace Kao, John Miller</i> <i>(Bayside 104)</i>		<b>SPECIAL SESSION 2</b> AABB - Trafficking of Cellular Therapy Products <b>Chair: Torsten Tonn</b> <i>Pamela Dyson, Grace Kao, Torsten Tonn</i> <i>(Bayside 103)</i>
3:30pm – 4:30pm	<b>Oral Abstract Presentations 1</b> Immunotherapy & Dendritic Cells <b>Chairs: Aaron Foster &amp; Paul Szalbolcs</b> <i>(Bayside Auditorium A)</i>	<b>Oral Abstract Presentations 2</b> Mesenchymal & Tissue Stem Cells 1 <b>Chairs: Frank Marini &amp; Massimo Dominci</b> <i>(Bayside 103)</i>	<b>Oral Abstract Presentations 3</b> Hematopoietic Stem Cells 1 <b>Chair: Sam Milliken &amp; David Ritchie</b> <i>(Bayside 104)</i>
4:30pm – 5:00pm	<b>Break in Exhibit Area</b> <i>(Bayside Grand Hall)</i>		
5:00pm – 6:30pm	<b>PUBLIC SESSION – Ethical Considerations of Cell Therapies</b> <i>(Bayside Auditorium A)</i> <b>Chairs: Mary Laughlin &amp; John Rasko</b> , <i>Antony Basten, Rudolf Jaenisch, Justice Michael Kirby</i>		
6:30pm – 8:30pm	<b>Poster Viewing in Exhibit Area</b> <i>(Bayside Grand Hall)</i>		

Tuesday, June 26, 2007

7:00am – 6:30pm	<b>Registration</b> <i>(Bayside Foyer Level 1)</i>				
6:45am – 7:45pm	<b>Breakfast</b> <i>(Bayside Foyer Level 1)</i>				
7:00am – 8:00am	<b>TB 5</b> Investing in Cell Therapies: Two Perspectives <b>Chair: Lee Buckler</b> <i>Gregory Bonfiglio, Susan Pond</i> <i>(Bayside 105)</i> Sponsored by: 	<b>TB 6</b> “How to Deal with Product-Related Mishaps” Case Scenarios & Solutions to be presented when things go wrong <i>Vicki Antonenas, Lizette Caballero</i> <i>(Bayside Aud. A)</i>	<b>TB 7</b> How Best to Grow T Cells <i>in-vitro</i> <i>Aaron Foster, Maher Gandhi, David Gottlieb</i> <i>(Bayside 104)</i>	<b>TB 8</b> Applying GMP Standards <i>Maria Maroulis, Allison McLean</i> <i>(Bayside 103)</i>	<b>TB 9</b> Models and New Approaches to Product Characterization <i>Scott Burger, Ian Harris</i> <i>(Bayside 102)</i>

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Tuesday, June 26, 2007 con't



8:00am – 9:30am	<b>PLENARY SESSION III - Gene Therapy</b> <i>(Bayside Auditorium A)</i> <b>Chair: Hans-Peter Kiem</b> MicroRNA-regulated lentiviral vectors drive robust tissue-, lineage- and developmental stage-specific gene expression in hematopoietic, neural and embryonic stem cells <i>Luigi Naldini</i> Mesenchymal stem cell-based cell and gene therapy <i>Kei-ya Ozawa</i> Establishing T cell memory by the adoptive transfer of gene-modified T cell clones <i>Stan Riddell</i>			
9:30am – 10:30am	<b>Oral Abstract Presentations – Plenary Abstract Session</b> <b>Chairs: Dominic Wall &amp; John Rasko</b> <i>(Bayside Auditorium A)</i>			
10:30am – 11:00am	<b>Break in Exhibit Area</b> <i>(Bayside Grand Hall)</i>			
11:00am – 12:30pm	<b>WORKSHOP 4</b> Preparation for Facility Inspections and Audits <b>Chair: Karen Edward</b> <i>John Duguid Dominic Wall (Bayside 104)</i>	<b>WORKSHOP 5</b> How to Implement the new Standards for Cellular Therapy Coding and Labeling Implementation of ISBT 128 <b>Chair: Paul Ashford</b> <i>Paul Ashford Pat Distler Alan Lankester (Bayside Auditorium A)</i>	<b>WORKSHOP 6</b> Risk Assessment for Microbially Contaminated Products <b>Chair: Kurt Gunter</b> <i>Albert Farrugia Dennis Gastineau Hanh Khuu (Bayside 103)</i>	<b>WORKSHOP 7</b> Different Strategies for Allodepletion <b>Chairs: John Barrett &amp; Helen Heslop</b> <i>John Barrett Helen Heslop Paul Szabolcs Siok-Keen Tey (Bayside 102)</i>
12:30pm – 1:30pm	<b>Box Lunch in Exhibit Area</b> <i>(Bayside Grand Hall)</i>			
	<b>Cytotherapy Editorial Board Meeting</b> <i>(Bayside 102)</i>	<b>LRA (NA) Committee Meeting</b> <i>(Bayside 103)</i>	<b>MTSC Committee Meeting</b> <i>(Bayside 104)</i>	<b>BMTSAA Meeting</b> <i>(Bayside 105)</i>
1:30pm – 2:00pm	<b>ISCT AGM –President’s Report, Secretary’s Report, Treasurer’s Report, Cytotherapy Report, ISCT2008 Report</b> <i>(Bayside Auditorium A)</i>			
2:00pm – 3:30pm	<b>PLENARY SESSION IV - Biomarkers &amp; Vaccine Therapy</b> <i>(Bayside Auditorium A)</i> <b>Chair: Hans Schlitt</b> Allogeneic Cancer Cells as Cancer Vaccines <i>Angus Dalgleish</i> Genomic and Proteomic Based Biomarker Discovery and Validation <i>George Klee</i> Impact of Interleukin-7-engineered mesenchymal cells on T lymphocyte subpopulations <i>Antonio Tabilio</i>			
3:30pm – 4:00pm	<b>Break</b> <i>(Bayside Foyer Level 1)</i>			

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4:00pm – 5:30pm	<p><b>WORKSHOP 8</b> Treatment of GvHD with Mesenchymal Stem Cells <b>Chair : Ian Lewis</b> John Barrett, Edwin Horwitz Ian Lewis (Bayside 104)</p>	<p><b>WORKSHOP 9</b> New Mobilization Strategies, CXCR4 and Novel Agents and Novel Approaches to Mobilize with AMD3100 <b>Chair: Linda Bendall</b> Linda Bendall Jean-Pierre Levesque (Bayside 102)</p>	<p><b>WORKSHOP 10</b> Gene Therapy <b>Chair: Hans Peter Kiem</b> Hans-Peter Kiem Luigi Naldini John Rasko Dorothea Von Laer (Bayside 103)</p>
	<p><b>SPECIAL SESSION 3</b> Alliance for Harmonization of Cellular Therapy Accreditation (AHCTA) Import and Export of Cellular Products <b>Chair: Ineke Slaper-Cortenbach</b> Sally Gordon, Kurt Gunter, Ineke Slaper-Cortenbach (Bayside Auditorium A)</p>		
5:30pm – 6:30pm	<p><b>Oral Abstract Presentations 4</b> Cell &amp; Tissue Evaluation, Legal &amp; Regulatory Affairs &amp; Gene Therapy <b>Chair: Hans-Peter Kiem</b> (Bayside Auditorium A)</p>	<p><b>Oral Abstract Presentations 5</b> Mesenchymal &amp; Tissue Stem Cells 2 <b>Chairs: Jacques Galipeau &amp; Ingo Mueller</b> (Bayside 103)</p>	<p><b>Oral Abstract Presentations 6</b> Hematopoietic Stem Cells 2 &amp; Lab Practices <b>Chairs: Shelly Heimfeld &amp; Vicki Antonenas</b> (Bayside 104)</p>
7:00pm	<p><b>Executive Committee &amp; Sponsor Reception</b> (Bayside 201)</p>		
7:30pm	<p><b>Gala Dinner (Additional Fee Required)</b> (Dockside, Cockle Bay Wharf) Antony Basten</p>		

Wednesday, June 27, 2007

7:00am – 4:30pm	<p><b>Registration</b> (Bayside Foyer Level 1)</p>		
6:45am – 7:45pm	<p><b>Breakfast</b> (Bayside Foyer Level 1)</p>		
7:00am – 8:00am	<p><b>Corporate Tutorial</b> Sponsored by Pall Life Sciences A Filter Harvest System for Mononuclear Cell Enrichment (Bayside Auditorium A)</p> <p></p>	<p><b>Corporate Tutorial</b> Sponsored by GE Healthcare Enabling Cell Therapy (Bayside 103)</p> <p>GE Healthcare</p> <p></p>	

# ISCT 2007 Program

Wednesday, June 27, 2007

<p>9:00am – 10:30am</p>	<p><b>PLENARY SESSION V – Cord Blood</b> (Bayside Auditorium A) <b>Chair: Mary Laughlin</b></p> <p>The Identification of Embryonic -Like SSEA+ Oct-4+ CXCR4+ Stem Cells in Adult Bone Marrow and Cord Blood <i>Mariusz Ratajczak</i></p> <p>Umbilical Cord Blood Unit Selection For Bone Marrow Reconstitution: A Report from the New York Blood Center <i>Cladd Stevens</i></p> <p>Reduced-Intensity Cord Blood Transplantation for Adult Patients with Advanced Hematological Malignancies- Analysis of 318 transplants in Toranomon Hospital <i>Shuichi Taniguchi</i></p>		
<p>10:30am – 11:00am</p>	<p><b>Break</b> (Bayside Foyer Level 1)</p>		
<p>11:00am – 12:30pm</p>	<p><b>WORKSHOP 11</b> Implementing Standards Across International Borders <i>Albert Farrugia Linda Kelley Ineke Slaper-Cortenbach</i> (Bayside 103)</p>	<p><b>WORKSHOP 12</b> Bioengineering for Cell Therapies <b>Chair: Stephen Livesey</b> <i>Justin Cooper-White Stephen Livesey Lars Nielson</i> (Bayside 104)</p>	<p><b>WORKSHOP 13</b> Frontiers in Cell Cryopreservation and Technology <b>Chair: Dayong Gao</b> <i>John G. Baust, Dayong Gao Erik Woods</i> (Bayside 102)</p>
<p>12:30pm – 1:30pm</p>	<p><b>SPECIAL SESSION 4</b> Risks of Transformation with Stem Cell Expansion - Real or Hypothetical? <b>Chairs: Edwin Horwitz &amp; David Haylock</b>, Kerry Atkinson, David Haylock (Bayside Auditorium A)</p>		
<p>12:30pm – 1:30pm</p>	<p><b>Lunch</b> (Bayside Foyer Level 1)</p> <p><b>Corporate Tutorial – Aldagen</b> On-going clinical trials of cell therapy using flow sorted aldehyde dehydrogenase bright cells (Bayside Auditorium A)</p>		
<p>1:30pm – 3:00pm</p>	<p><b>PLENARY SESSION VI - Stem Cells</b> (Bayside Auditorium A) <b>Chair: Paul Simmons</b></p> <p>Why expand cord blood haemopoietic stem cells? <i>David Haylock</i></p> <p>Developments Toward Clinical Use of Mesenchymal Precursor Cells <i>Silviu Itescu</i></p> <p>The Yin and Yang of MSC <i>Paul Simmons</i></p>		
<p>3:00pm – 4:30pm</p>	<p><b>PLENARY SESSION VII - Endothelial Progenitor Cells</b> (Bayside Auditorium A) <b>Chair: Edwin Horwitz</b></p> <p>Endothelial Progenitor Cells for Vascular Medicine <i>Takayuki Asahara</i></p> <p>The Role of Circulating Endothelial and Progenitor Cells in Disease <i>Daniel Duda</i></p> <p>Defining Human Endothelial Progenitor Cells Using Functional Assays <i>Mervin Yoder</i></p>		

## ISCT 2007 Program

Thursday, June 28, 2007

	<p><b>Post-Conference Workshop</b> Global Harmonization of Cell Therapy-The Regulator's Perspective <b>(Pre-Registration Required)</b> <i>(Bayside 104)</i></p>
8:00am – 8:30am	<p><b>Registration</b></p>
8:30am – 10:00am	<p><b>SESSION I</b> <b>Chair: Albert Farrugia</b> <b>INTRODUCTION</b> Therapeutic Goods Administration- Office of Blood Devices and Tissues – Australia <i>Albert Farrugia</i> Singapore General Hospital – Centre for Transfusion Medicine – Singapore <i>Mickey Koh</i> Office of the Gene Technology Regulator – Australia <i>Robyn Cleland</i> National Health &amp; Medical Research Council (NHMRC) – Australia <i>Harry Rothenfluh</i></p>
10:00am – 10:30am	<p><b>Break</b></p>
10:30am – 12:00pm	<p><b>SESSION II</b> <b>Chair: Dominic Wall</b> Thailand <i>Rachanee O'Charoen</i> United States <i>Joyce Frey - Vascon Cells</i> National Taiwan University Hospital – Taiwan <i>Ming Yao</i></p>
12:00pm – 1:00pm	<p><b>Lunch</b></p>
1:00pm – 2:30pm	<p><b>SESSION III</b> <b>Chair: Akihiro Shimosaka</b> National Cancer Center Hospital – Japan <i>Dr. Yuji Heike</i> National Institute for the Control of Pharmaceutical and Biological Products – Beijing, China Regulatory Issues for Cell and Gene Therapy in China <i>Chunming Rao</i> Peking University – Beijing, China <i>Kaiyan Liu</i></p>
2:30pm – 3:00pm	<p><b>Break</b></p>
3:00pm – 4:30pm	<p><b>SESSION IV</b> <b>Chair: Mark Doverty</b> ERA Consulting (Australia) Pty. Ltd. <i>Dianne Jackson-Matthews</i> Yonsei University – Seoul, Korea <i>Hyun O. Kim</i> Therapeutic Goods Administration – Australia &amp; New Zealand <i>Andrew Hapel</i></p>
4:30pm – 5:30pm	<p><b>Panel Discussions &amp; Concluding Remarks</b></p>