

Williamsburg BioProcessing Foundation

Cell & Tissue BioProcessing

Process Development and Production Issues for Cellular Vaccines, Therapy & Tissue Regeneration

September 26–28, 2005

Sunday, September 25

4:00–6:00 pm: **Registration, Welcome Reception (Exhibit and Poster Setup)**

Monday, September 26

7:00–8:00 am: **Registration and Continental Breakfast — Meeting Room Foyer**

8:00–8:30 am: **Introduction**

Keith L. Carson — *Conference Chairman*

8:30–9:15 am: **A Versatile Dendritic Cell-Based Therapeutic Vaccine Platform for Cancer, and Its Application to the Clinic**

Alton Boynton, Ph.D. — *Northwest Biotherapeutics, Inc.*

9:15–10:00 am: **Development of Dendritic Cell Vaccines for Cancer Therapy**

James Bender, Ph.D. — *Immuno-Designed Molecules Inc.*

10:00–10:30 am: **Break — Exhibit Area**

10:30–11:15 am: **Influence of Culture Conditions and Substrates on Cellular Responses: A Quantitative Approach**

Henry Rodriguez, Ph.D. — *National Institute of Standards and Technology*

11:15–Noon: **Stem Cells — Bioprocessing Issues**

Philip Aldridge — *Centre of Excellence for Life Sciences*

Noon–1:30 pm: **Lunch — Exhibit Area**

1:30–2:15 pm: **The Bone Bioreactor—In Vivo Engineering**

V. Prasad Shastri, Ph.D. — *Vanderbilt University*

2:15–3:00 pm: **Automated Devices Improve Quality of Cord Blood Stem Cell Units**

Philip Coelho — *ThermoGenesis Corporation*

3:00–3:30 pm: **Break — Exhibit Area**

3:30–4:15 pm: **An Engineered Tissue Construct that Produces Immune Cells for Use in Therapeutic and R&D Applications**

Michael Michalek, Ph.D. — *Cytomatrix, Inc.*

4:15–5:00 pm: **Avoiding Regulatory Pitfalls in Cellular Product Development**

Keith Wonnacott, Ph.D. — *Center for Biologics Evaluation and Research, FDA*

5:00–5:45 pm: **Adult Stem Cells: Therapeutic Opportunities and Challenges**

Alan K. Smith, Ph.D. — *Cognate Therapeutics, Inc.*

6:00–7:30 pm: **Reception — Exhibit Area**

Due to circumstances beyond the control of the conference organizers, the program is subject to change.

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Tuesday, September 27

- 7:30–8:30 am: **Continental Breakfast — Exhibit Area**
- 8:30–9:15 am: **Overcoming the Enablement Challenge in the Development of Cellular Therapeutics: Development of Cellular Therapeutics with Engineered Biological Function**
Madhusudan V. Peshwa, Ph.D. — *MaxCyte, Inc.*
- 9:15–10:00 am: **Regulatory Issues: Fundamental Overview**
Marilyn Waxberg — *Regulatory & Clinical Research Institute*
- 10:00–10:30 am: **Break — Exhibit Area**
- 10:30–11:15 am: **The Role of Biopreservation in Biotechnology: Next Generation in Preservation Technologies for Cryopreservation, Hypothermic Preservation, and Post-Preservation Processing**
John Baust, Ph.D. — *BioLife Solutions, Inc.*
- 11:15–Noon: **Clinical Islet Transplantation - Update**
Jonathan Lakey, Ph.D. — *University of Alberta*
- Noon–6:00 pm: **Free Afternoon with Recommended Activities**
- 6:00–9:00 pm: **Conference Banquet**

Wednesday, September 28

- 7:30–8:30 am: **Continental Breakfast — Exhibit Area**
- 8:30–9:15 am: **Developing a Licensable Manufacturing Process for Lucanix: A Cellular Vaccine for Non-Small Cell Lung Carcinoma Preparing to Enter Phase III Trials**
Carlos E. Ibañez, Ph.D. — *NovaRx Inc.*
- 9:30–10:00 am: **Technical Workshops I**
- 10:00–10:30 am: **Break — Exhibit Area**
- 10:30–Noon: **Technical Workshops II**
- Noon–1:30 pm: **Lunch — Exhibit Area**
- 1:30–2:15 pm: **Genomic-Scale Transcriptional Analysis as a Bioprocess-Development and Validation Tool in the Expansion of Cells for Cell Therapies**
Eleftherios Terry Papoutsakis, Ph.D. — *Northwestern University*
- 2:15–3:00 pm: **cGMP Compliant Separation of Somatic Cells for Therapeutic Use**
Ulf Bethke, Ph.D. — *Miltenyi Biotec GmbH*
- 3:00–3:30 pm: **Break — Exhibit Area (Exhibit & Poster Teardown at 3:30 pm)**
- 3:30–4:15 pm: **Generation of Stable Cell Lines from Primary Tumor Specimens**
Richard G. Carroll, Ph.D. — *University of Pennsylvania*
- 4:15–5:00 pm: **Development of Cell Processing for HIV Immunotherapy**
Reuben Cohen — *VIRxSYS Corporation*
- 5:00–5:45 pm: **Tackling the Trials and Tribulations of Developing and Delivering Cell-Based Therapeutics**
Stewart Craig — *Progenitor Cell Therapy, LLC*