

# Baculovirus & Insect Cell Culture

February 9 – 12, 2004

## Sunday, February 8

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

## Monday, February 9

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: **Using BEVS to Develop and Produce Recombinant ProteinBased Vaccines: SARS & Influenza**

Kathy Holtz, Ph.D. — *Protein Sciences Corporation*

9:15–10:00 am: **Insect Cell Expression of *Taenia Solium* Diagnostic Antigens**

Kathy Hancock, Ph.D. — *Centers for Disease Control & Prevention*

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

10:30–11:15 am: **Analysis of Glycosylation Patterns for Recombinant Proteins Produced in Insect Cells**

Someet Narang — *Johns Hopkins University*

11:15–12:00 noon: **Improvements on the Baculovirus Expression System**

Bjoern Philipps, Ph.D. — *Novartis Pharma Ltd.*

12:00–1:30 pm: **Lunch — Exhibit Area**

1:30–2:15 pm: **Process Development and Commercial Scale Production of an Avian Reverse Transcriptase Using the BEVA System**

Christopher Kemp, Ph.D. — *Kemp Biotechnologies, Inc.*

2:15–3:00 pm: **High-Level Expression of a Modified Version of the Extracellular Part of Human HER-2 in a *Drosophila* S2 Expression System**

Charlotte Dyring, Ph.D. — *Pharmexa A/S*

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

3:30–4:15 pm: **Expression of Active Neurotensin-1 (NT-1) Receptors on the Extracellular Baculovirus Particles and its Utility in Ligand Binding Assays**

Simon Lee — *Roche Palo Alto, LLC*

4:15–5:00 pm: **Production and Purification of Virus Antigens Using the OrIBEx Baculovirus Expression System**

Richard Welch — *Chesapeake PERL Inc.*

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

## Tuesday, February 10

7:30–8:30 am: *American Breakfast — Exhibit Area*

8:30–9:15 am: **CBD-FactorX Fusion Protein Production by a Stable Transformed Sf9 Insect Cell Line in a High Cell Density Perfusion Culture Using an Acoustic Filter**

Tom Pfeifer, Ph.D. — *University of British Columbia*

9:15–10:00 am: **The Baculovirus System Expression of Lipoprotein-Associated Phospholipase A2 (LpPLA2), for use as a Standardization Reagent in an Approved Test Kit.**

David Lowe — *diaDeXus*

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

- 10:30–11:15 am: **Experience of Testing Baculovirus and Insect Cells for Clinical Lot Production**  
Daniel Galbraith, Ph.D. — *BioReliance Biotech Limited*
- 11:15–12:00 noon: **Development of a High Throughput Baculovirus Expression Platform for Drug Discovery: Exemplification and Initial Results**  
Ryan Hicks, Ph.D. — *AstraZeneca*
- 12:00–6:00 pm: **Free Afternoon with Recommended Group Activities**
- 6:00–9:00 pm: **Conference Banquet**

**Wednesday, February 11**

- 7:30–8:30 am: **Continental Breakfast — Exhibit Area**
- 8:30–10:00 am: **Technical Workshops I**
- 10:00–10:30 am: **Break — Exhibit Area**
- 10:30–12:00 noon: **Technical Workshops II**
- 12:00–1:30 pm: **Lunch — Exhibit Area**
- 1:30–2:15 pm: **Scalable Production of Recombinant Adeno-Associated Virus in Sf9 Cells**  
Robert Kotin, Ph.D. — *National Heart, Lung and Blood Institute*
- 2:15–3:00 pm: **Adaptation of a Bioreactor to Baculoviral Production of AAV Vectors: Scale-Up Considerations**  
Haifeng Chen, Ph.D. — *Avigen, Inc.*
- 3:00–3:30 pm: **Break — Exhibit Area (Exhibit Teardown at 3:30 pm)**
- 3:30–4:15 pm: **Process Development for Rat Parvovirus (RPV) Virus Like Particles**  
Rajeev Dhawan, Ph.D. — *Charles River Laboratories*
- 4:15–5:00 pm: **Producing Proteins from Insect Cells for Phase III Clinical Trials and Market Launch**  
James Litts, Ph.D. — *Dendreon Corporation*
- 5:30–6:30 pm: **Happy Hour — Meeting Foyer**

**Thursday, February 12**

- 7:30–8:30 am: **Continental Breakfast — Meeting Foyer**
- 8:30–9:15 am: **Manufacturing of Enveloped Virus VLP's**  
Robin Robinson, Ph.D. — *Novavax, Inc.*
- 9:15–10:00 am: **Generation and Characterization of Soluble DC-SIGN Isoforms from Baculovirus**  
Hongwei Jia — *Centers for Disease Control & Prevention*
- 10:00–10:30 am: **Break — Meeting Foyer**
- 10:30–11:15 am: **A Flow Cytometric Assay for Rapid, Accurate Determination of Baculovirus Titers**  
Thera Mulvania, Ph.D. — *Expression Systems LLC*
- 11:15–12:00 noon: **Shaking Bioreactors for Insect and Mammalian Cell Culture in Liters Scale**  
Chao-Min Liu, Ph.D. — *F. Hoffmann-La Roche Ltd.*

*Due to circumstances beyond the control of the conference organizers, the speaker list is subject to change.*

**Participating Exhibitors Include:**

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|--------------------------------------|-------------------------------------|------------------------------|--------------------------------|
| ◆ Amersham Biosciences               | ◆ Consolidated Polymer Technologies | ◆ JRH Biosciences            | ◆ Protein Sciences Corporation |
| ◆ Applikon Biotechnology             | ◆ Corning, Inc.                     | ◆ Kemp Biotechnologies, Inc. | ◆ Sigma-Aldrich Fine Chemicals |
| ◆ B. Braun Sartorius                 | ◆ Diosynth Biotechnologies          | ◆ Kendro Laboratory Products | ◆ Spectrum Laboratories, Inc.  |
| ◆ Beckman Coulter, Inc.              | ◆ Expression Systems                | ◆ Lark Technologies          | ◆ Viral Antigens, Inc.         |
| ◆ Biomedical Resources International | ◆ Gibco/Invitrogen Corp.            | ◆ New Brunswick Scientific   | ◆ Wave Biotech                 |
| ◆ BioReliance Corp.                  | ◆ HyClone Laboratories, Inc.        | ◆ Newport Biosystems         | ◆ YSI Inc.                     |
| ◆ Broadley-James Corp.               | ◆ J&J Scientific Products, Inc.     | ◆ Nova Biomedical            |                                |