

Baculovirus & Insect Cell Culture

Process Development and Production Issues

For Baculovirus & Insect Cell Culture

6th Annual Meeting

February 24-27, 2003

Santa Fe, New Mexico

Topics Include:

- Protein Production
- Downstream Processing
- Bioreactor Configuration
- Clinical Status
- Host Cell Selection
- Nutrient Development
- Yield Optimization
- Formulation
- Storage & Stability

Using a highly focused technical content and a proven conference format, we will explore the problems faced while developing and producing products derived from insect cells and expressed by baculovirus. This meeting is intended to provide a body of knowledge from which scaleable processes can be properly monitored and reproduced.

In addition to reviewing some of the technology's more successful applications, the presentations will focus on the latest advances in cell line development, production techniques, analytical and purification methods, plus the most recent regulatory trends. Supplementing these talks will be highly targeted workshops presented by key technology supply firms, plus approximately 25 exhibits. Our goal is to bring together the most experienced people in the field, and facilitate the exchange of information with a stimulating but relaxed environment.

Hotel Accommodations

The La Fonda Hotel has offered a special rate of \$134 per night plus applicable sales tax. All reservations must be made directly with the hotel:

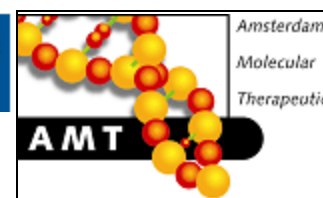
La Fonda Hotel
100 East San Francisco Street
Santa Fe, NM 87501
(800) 523-5002

To receive the conference rate of \$134, you must reserve your room no later than January 31, 2003, and specify you will be attending the Baculovirus & Insect Cell Culture Conference.

Cancellation Policy

We will reimburse your registration fee less a \$100 cancellation charge if we receive a written cancellation no later than February 03, 2003. No refunds are available after this date.

Sponsored by:



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Sunday, February 23

4:00-7:00 pm: **Registration, Welcome Reception, and Exhibit Set Up**

Monday, February 24

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 Insect Cells to Produce a Human DNA Virus (rAAV) for Gene Transfer**

Robert Kotin, Ph.D. - *National Heart, Lung and Blood Institute*

9:15-10:00 am: **Optimization of Production and Purification of Secreted Proteins from Disparate Organisms Using Shaker Cultures of High-Five Cells**

Dorit Landstein - *XTL Biopharmaceuticals Ltd*

10:00-10:30 am: **Break - Exhibit Area**

10:30-11:15 am: **Development of a High-Throughput Protein Expression Strategy**

Douglas Austen - *Vertex Pharmaceuticals*

11:15-12:00 noon: **Toward the Large-Scale Production of Proteins by Insect Cells: The Case of Virus-Like Particles and Glycoproteins**

Laura Palomares - *Instituto de Biotecnologia*

12:00-1:30 pm: **Lunch - Exhibit Area**

1:30-2:15 pm: **A Multi-Parallel Protein Production Strategy: A Paradigm for the Drug Discovery Process.**

Stella Bradshaw - *OSI Pharmaceuticals*

2:15-3:00 pm: **Advances in High Cell Density Insect Cell Culture Technology**

Cynthia Elias, Ph.D. - *NRC Biotechnology Research Institute*

3:00-3:30 pm: **Break - Exhibit Area**

3:30-4:15 pm: **Transgenic Insect Cell Lines Support Humanized Glycoprotein Production by Baculovirus Expression Vectors**

Don Jarvis, Ph.D. - *University of Wyoming*

4:15-5:00 pm: **Tailoring Protein Kinase Production for Structural Studies**

Cinzia Cristiani, Ph.D. - *Pharmacia*

5:30-7:00 pm: **Santa Fe Reception - Exhibit Area**

Tuesday, February 25

7:30-8:30 am: **American Breakfast - Exhibit Area**

8:30-9:15 am: **Simultaneous Generation and Expression of Multiple Genetic Variants Produced Using Site Directed Mutagenesis.**

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

9:15-10:00 am: **Reproducible Determination of Baculovirus Titers**

Scott Brown, Ph.D. - *Biologics Process Development, Inc*

10:00-10:30 am: **Break - Exhibit Area**

10:30-11:15 am: **The Study of GPCR Activity Using Insect Cell Membranes and AlphaKeyä Peptide Probes**

Peggy Dey - *KaroBio USA*

11:15-12:00 noon: **Recombinant Protein Manufacturing In Insect Larvae**

Nikolai van Beek, Ph.D. - *Chesapeake PERL*

12:00 noon-5:00 pm: **Free Afternoon with Recommended Group Activities**

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5:00-6:30 pm: *Baculo-Mixer / Happy Hour - Exhibit Area*

Wednesday, February 26

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: **High Throughput Protein Expression in Insect Cells**

Ryan Hicks - *AstraZeneca*

2:15-3:00 pm: **Quantifying Baculovirus Titers for Production Processes Using a Growth Inhibition TCID50 Assay and a Quantitative PCR Assay**

James Litts, Ph.D. - *Dendreon Corporation*

3:00-3:30 pm: *Break - Exhibit Area (Exhibit Tear Down at 3:30 pm)*

3:30-4:15 pm: **In Vitro Recombinational Cloning in Baculovirus**

Steven Hunter Harwood, Ph.D. - *Invitrogen Life Technologies*

4:15-5:00 pm: **Recombinant Influenza Vaccine Produced Using the Baculovirus Expression Vector System**

Keith Canada, Ph.D. - *Protein Sciences Corporation*

6:00-9:00 pm: *Conference Banquet - Cowgirl Hall of Fame BAR-B-Q & Western Grill*

Thursday, February 27

7:30-8:30 am: *Mexican Breakfast - Meeting Foyer*

8:30-9:15 am: **Laying the Foundations for a GMP-Compliant Manufacturing Process of a Recombinant Subunit Vaccine Using BEVS**

Rainer Mueller, Ph.D. - *MediGene, Inc.*

9:15-10:00 am: **Baculovirus Derived Virus-Like Particles as Antigens for Parvovirus ELISA**

Rajeev Dhawan, Ph.D. - *Charles River Laboratories*

10:00-10:30 am: *Break - Meeting Foyer*

10:30-11:15 am: **The Production and Use of Recombinant Influenza Neuraminidase**

Roberto Johansson, MD, Ph.D. - *Cornell Medical College*

11:15-12:00 noon: **BEVS Derived Virus-Like Particle Vaccines**

Robin Robinson, Ph.D. - *Novavax, Inc.*

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

Participating Exhibitors Include:

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|------------------------------|-------------------------|----------------------|----------------------------|
| ◆ Alfa Wassermann, Inc. | ◆ Kemp Biotechnologies | ◆ Pall Life Sciences | ◆ Amersham Biosciences |
| ◆ Spectrum Laboratories | ◆ Protein Sciences Corp | ◆ Sensorix | ◆ Invitrogen Corporation |
| ◆ Cobra Therapeutics | ◆ Corning, Inc. | ◆ Wave Biotech | ◆ New Brunswick Scientific |
| ◆ Expression Systems LLC | ◆ BioReliance | ◆ Broadley James | ◆ PTI Advanced Filtration |
| ◆ Kendro Laboratories | ◆ HyClone Laboratories | ◆ YSI Incorporated | ◆ Refine Technology Co. |
| ◆ BD Biosciences Pharmingen | ◆ Applikon, Inc. | ◆ JRH Biosciences | ◆ Biomedical Resources |
| ◆ B. Braun Biotech/Sartorius | ◆ Nova Biomedical | | |