

Baculovirus & Insect Cell Culture

Process Development & Production Issues

Sponsored by:

HyClone Laboratories, Inc. PALL BioPharmaceuticals

3rd Annual Meeting

February 21-24, 2000

The Menger Hotel

San Antonio, Texas

Program

Sunday, February 20

4:00-9:00 pm: *Welcome Reception, Exhibit Set Up*

Monday, February 21

7:00-8:00 am: *Registration, Continental Breakfast*

8:00-8:15 am: **Introduction**

Keith Carson - *Conference Chairman*

8:15-8:30 am: **Insect Cell Culture & BEVS Technology: Current Status**

Stefan A. Weiss, Ph.D. - *Biotechnology Consulting & Univ. of Queensland*

8:30-9:15 am: **Methods for Developing and Maintaining Insect Cell Cultures**

Dwight Lynn, Ph.D. - *USDA/ARS*

9:15-10:00 am: **From Bug to BioReactor: In Vivo Production of Recombinant Proteins**

John Lee Compton, Ph.D. - *AgriVirion, Inc.*

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

10:30-11:15 am: **Manufacturing Therapeutic Products in Insect Cells at the 500 L Scale**

Gale E. Smith, Ph.D. - *Protein Sciences Corporation*

11:15-12:00 noon: **Expression of G-Protein Coupled Receptors in Baculovirus-Infected Sf-9 Cells:
Strategies for Multiple Virus Infections & Examination of Receptor Function**

Jim Krause, Ph.D. - *Neurogen, Inc.*

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

1:30-2:15 pm: **Modifying Protein N-Glycosylation in the Baculovirus-Insect Cell Expression System**

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

2:15-3:00 pm: **Insect Cells Can Produce Human-Type Sialylated Glycoproteins**

H. Alan Wood, Ph.D. - *Boyce Thompson Institute at Cornell*

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

3:30-4:15 pm: **The Development of a Process for the Rapid Expression of Recombinant Proteins**

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

4:15-5:00 pm: **Efficient Process Development for rProtein Production Using BEVS**

Brandon L. Pence - *Hyclone Laboratories, Inc.*

The San Antonio Reception - Exhibit Area

6:00-8:00 pm:

Tuesday, February 22

7:30-8:30 am:

Continental Breakfast - Exhibit Area

8:30-9:15 am:

Expression of Heterologous Proteins on the Surface of Baculovirus Particles

Christian Oker-Blom, Ph.D. - *Biological & Environmental Science*

9:15-10:00 am:

Purification of Recombinant Intranuclear Proteins

Robin A. Robinson, Ph.D. - *Novovax, Inc.*

10:00-10:30 am:

Break - Exhibit Area

10:30-11:15 am:

Engineering Post-Translational Processing in Insect Cell Culture

Eric Ailor, Ph.D. - *Johns Hopkins University*

11:15-12:00 noon:

Application of Recombinant Baculovirus Systems to Mammalian Gene Expression

Patrick P. Condreay, Ph.D. - *Glaxo Wellcome*

6:00-7:30 pm:

Baculo-Mixer - Happy Hour

Wednesday, February

23

7:30-8:30 am:

Continental Breakfast - Exhibit Area

8:30-10:00 am:

Technology Workshops I

10:00-10:30 am:

Break - Exhibit Area

10:30-12:00 noon:

Technology Workshops II

12:00-1:30 pm:

Lunch - Exhibit Area

1:30-2:15 pm:

Manufacturing Issues Related to a Recombinant Herpes Subunit Vaccine

Robert Repetto - *Wyeth-Lederle Vaccines*

2:15-3:00 pm:

Purification of Baculovirus Expressed Proteins

Rick Chu, Ph.D. - *Pierce Chemical Company*

3:00-3:30 pm:

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

3:30-4:15 pm:

Preclinical and Clinical Evaluation of a Purified, Baculovirus-Expressed Influenza Neuraminidase Antigen

James Matthews, Ph.D. - *Pasteur Merieux Connaught*

4:15-5:00 pm:

The Optimization of Culture Parameters for Maximum Productivity Using Baculovirus-Infected High Five Cells

Volker Jaeger, Ph.D. - *Gesellschaft für Biotechnologische Forschung mbH*

7:00-10:00 pm:

Conference Banquet - Rio Cibolo Ranch

Thursday, February 24

7:30-8:30 am:

Continental Breakfast - Foyer

8:30-9:15 am:

Development of the Baculovirus Expression System for Expression of Ion Channel Proteins in Mammalian Cells

Diane Alessi - *Parke-Davis Pharmaceutical Research*

9:15-10:00 am:

Fluorescent Brightener Inhibits Apoptosis In Ld-NPV Infected Gypsy Moth Larvae Midgut Cells

Edward Dougherty, Ph.D. - *USDA ARS BARC*

10:00-10:30 am:

Break - Foyer

10:30-12:00 noon:

Panel Discussion: Obstacles and Opportunities for Baculovirus Expression Systems in the Production of Human Therapeutic Products

Anthony Davies, Ph.D. - *Onyx Pharmaceuticals, Inc. (Panel Chair)*

List of Exhibitors

PALL BioPharmaceuticals

JRH Biosciences, Inc.

Wave Biotech

B. Braun Biotech

HyClone Laboratories

Beckman Coulter

Expression Systems LLC

Biologics Process Development, Inc.

Applikon

Nova Biomedical

New Brunswick Scientific

Life Technologies

Irvine Scientific

Corning/Lab Glass

Kendro Laboratories

Protein Sciences

Kemp Biotechnology

Broadley James

MDS Panlabs

A/G Technologies