

Baculovirus & Insect Cell Culture

Process Development & Production Issues

1st Annual Meeting

February 23-26, 1998

Radisson Hotel

Santa Barbara, California

Program

Sunday, February 22

4:00-10:00 pm:

Welcome Reception, Exhibit Set Up

Monday, February 23

7:00-8:00 am:

Continental Breakfast - Meeting Room Foyer

8:00-8:30 am:

Introduction

Keith Carson - *Conference Chairman*

8:30-9:15 am:

Baculovirus Expression and Purification of Recombinant Tagged Proteins

Barbara Belisle, Ph.D. - *Onyx Pharmaceuticals*

9:15-10:00 am:

Analysis and Modification of Protein N-Glycosylation in Baculovirus-Insect Cell Systems

Don Jarvis, Ph.D. - *Texas A&M University*

10:00-10:30 am:

Break - Exhibit Area

10:30-11:15 am:

Quality Analysis of Virus Like Particles Produced In Baculovirus Infected Insect Cells

Manuel Carrondo, Ph.D. - *Instituto Biologia Experimento e Tecnologica*

11:15-12:00 noon:

Recombinant Baculoviruses as Gene Delivery Vehicles for Mammalian Cells

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

12:00-1:30 pm:

Lunch - Exhibit Area

1:30-2:15 pm:

The Baculovirus Expression Vector System: How and When to Use It

Kees Degooijer, Ph.D. - *Wageningen Agricultural University*

2:15-3:00 pm:

The Economics of Scaling Up a Baculovirus Expression System - Experience of a Small Biotech Company

Trish Benton - *Fibrogen*

3:00-3:30 pm:

Break - Exhibit Area

3:30-4:15 pm:

Identification of Cysteine Protease Activity in HSVgD Preparations Produced Using a Baculovirus Expression System

Deborah A. Long, Ph.D. - *Wyeth-Lederle Vaccines & Pediatrics*

4:15-5:00 pm:

Baculoviruses in Agriculture - Cottage Industry to High Tech

James L. Vaughn, Ph.D. - *USDA, ARS*

5:00-5:45 pm:

Serum-Free Media for Insect Cell Culture - A Commercial Niche and Case Study

Kenneth P. Karey, Ph.D. - *Genzyme Corporation*

6:00-8:00 pm: *The Santa Barbara Reception - Exhibit Area*

Tuesday, February 24

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

8:30-9:15 am: **Synthesis of Rotavirus-Like Particles in Insect Cells**

Baoming Jiang, Ph.D. - *Wyeth-Lederle Vaccines & Pediatrics*

9:15-10:00 am: **Fluorescent Brightener Effects on Homologous and Heterologous Baculovirus Replication in the Alimentary Canal and Midgut Derived Cell Cultures of the Gypsy Moth, *Lymantria Dispar***

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

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

10:30-11:15 am: **Development, Characterization, and Potential Commercialization of Genetically Modified Baculovirus for Insect Control**

Bill McCutchen, Ph.D. - *DuPont de Nemours & Co.*

11:15-12:00 noon: **Purification of Baculovirus Expressed Proteins**

John O'Grady - *MedImmune, Inc.*

6:00-7:30 pm: *Baculo-Mixer - Happy Hour*

Wednesday, February 25

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

8:30-10:00 am: *Technology Workshops*

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

10:30-11:15 am: **Expression of Rubella Virus Proteins in Insect Cells**

Christian Oker-Blom, Ph.D. - *VTT Biotechnology & Food Research Institute*

11:15-12:00 noon: **Development of a Recombinant Anthrax Vaccine: Baculovirus Expression of the *Bacillus Anthracis* Protective Antigen (PA)**

David J. Pekala - *The Salk Institute*

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

1:30-2:15 pm: **Innovations in Recombinant Baculovirus Protein Vaccines**

Robin A. Robinson, Ph.D. - *DynCorp*

2:15-3:00 pm: **Process Development & Manufacture of a Novel Immunotherapeutic Cancer Vaccine in Baculovirus / Insect Cells**

Curtis L. Ruegg, Ph.D. - *Dendreon Corporation*

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

3:30-4:15 pm: **Challenges to Biopesticide Production in Insect Cell Culture**

Brad Stiles, Ph.D. - *American Cyanamid Company*

4:15-5:00 pm: **Recombinant Protein Production at High Cell Densities in Insect Cell Culture from the 3 to 150-L Scale at the BRI**

Roseanne Tom - *Biotechnology Research Institute*

7:00-10:00 pm: *Conference Banquet*

Thursday, February 26

7:30-8:30 am: *Continental Breakfast - Foyer*

8:30-9:15 am: **Scale Up of an Insect Cell Culture Process for the Production of Recombinant Virus-Like Particles**

Eric Tsao, Ph.D. - *MedImmune, Inc.*

9:15-10:00 am: **Expression & Processing of Subunit Vaccines in the Baculovirus Expression System**

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

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

10:30-11:15 am: **Design & Optimization of Concentrated Nutrient Supplements for Use With**

Baculovirus Expression Applications

Glenn Godwin - *Life Technologies*

Production of Recombinant Proteins in Multiple Scales Up to 50 Liters

Tana Montgomery - *Berlex Biosciences Corporation*

11:15-12:00 noon: