

# *Williamsburg BioProcessing Foundation*

## *Baculovirus & Insect Cell Culture*

*Process Development and Production Issues*

*February 20-22, 2006*

### *9th Annual Meeting*

#### **Sunday, February 19**

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

#### **Monday, February 20**

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: **Early Automation for Higher Throughput in Baculovirus-Mediated Protein Expression**

Yann Pouliquen — *Novartis Institutes for BioMedical Research*

9:15–10:00 am: **AAV in BAC: the ABC of Vp1, 2, 3**

Haifeng Chen, Ph.D. — *Asklepios BioPharmaceuticals*

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

10:30–11:15 am: **Master Virus Bank Qualifications: Lessons Learned**

Tina Henry — *Protein Sciences*

11:15–Noon: **Drosophilla Schneider 2 Cells as Host for Production of Pharmaceuticals**

Charlotte Dyring, Ph.D. — *Pharmexa AS*

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

1:00–1:30 pm: **Poster Viewing — Exhibit Area**

1:30–2:15 pm: **Using BEVS to Generate Kinase Proteins for Structural Study**

Joanna Long, Ph.D. — *Vertex Pharmaceuticals*

2:15–3:00 pm: **Comparison of Mammalian Transient and Baculovirus-Mediated Transfection for the Large-Scale Production of Recombinant Proteins**

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

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

3:30–4:15 pm: **Adeno-Associated Viral (AAV) Vector Production: Switching from Mammalian Cells to Insect Cells**

Wim Hermens, Ph.D. — *AMT (Amsterdam Molecular Therapeutics)*

4:15–5:00 pm: **Properties of a Chimigen Vaccine Produced in Insect Cells for the Treatment of Chronic Hepatitis C Infections**

Rajan George, Ph.D. — *ViRexx Medical Corp.*

5:00–5:45 pm: **Progress in Large-Scale Production of rAAV in Bioreactors Using a Baculovirus, Insect Cell System**

Alejandro Negrete, Ph.D. — *National Heart, Lung and Blood Institute, US National Institutes of Health*

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

#### **Tuesday, February 21**

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

8:30–9:15 am: **Labelling Recombinant Proteins using the Baculovirus Expression System for NMR and X-Ray Crystallography to Augment Structure Studies**

Eileen McCall — *AstraZeneca Pharmaceuticals*

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9:15–10:00 am: **Quantitative Analysis of High-Throughput Insect Cell Expression**

Douglas Austen — *Vertex Pharmaceuticals*

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

10:30–11:15 am: **Increasing Recombinant Protein Expression in Insect Cells**

Thera Mulvania, Ph.D. — *Expression Systems LLC*

11:15–Noon: **The Development of Biological and Automated Tools to Improve Recombinant Baculovirus Production and Protein Expression**

Kevin Richards, Ph.D. — *NextGen Sciences, Inc.*

Noon–6:00 pm: *Free Afternoon with Recommended Activities*

6:00–7:00 pm: **Happy Hour**

### **Wednesday, February 22**

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

8:30–9:15 am: **Baculoviruses as Transducing Vectors for Mammalian Cells: Production Solutions for Serum-Free Environments and Biological Pitfalls — Challenges for Gene Therapy Applications**

Kostas Iatrou, Ph.D. — *NCSR "Demokritos" (Athens)*

9:15–10:00 am: **Application of the TripleXpress Insect Expression System for Functional and Structural Analyses of Mammalian Calcium Transport Proteins: A Comparison with the HEK Cell Expression System**

Paul Schnetkamp, Ph.D. — *University of Calgary*

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

10:30–Noon: *Technical Workshops*

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

1:00–1:30 pm: **Poster Viewing — Exhibit Area**

1:30–2:15 pm: **Development of a Lymantria Dispar Nucleopolyhedrovirus Strain Exhibiting Stable Polyhedra Synthesis in Cell Culture and its Production in Bioreactors**

James Slavicek, Ph.D. — *USDA Forest Service*

2:15–3:00 pm: **Purification of Virus Like Particles**

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

3:00–3:30 pm: **Break — Exhibit Area (Exhibit & Poster Teardown at 3:30 pm)**

3:30–4:15 pm: **Rapid and Scaleable Expression of Recombinant Proteins Using the C-PERL Bioscience Production Platform**

Lee Compton, Ph.D. — *Chesapeake PERL Inc.*

4:15–5:00 pm: **Baculovirus Gene Delivery in Mammalian Cells: An Evolving Story**

Tom Kost — *GlaxoSmithKline*

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