

# Williamsburg BioProcessing Conference

Process Development and Production Issues for Viral Vectors & Vaccines

## 4th Annual Meeting

November 3-6, 1997

Williamsburg Lodge

Williamsburg, Virginia

## Program

---

### Sunday, November 2

4:00-10:00 pm: **Exhibit Set-Up, Welcome Reception**

### Monday, November 3

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

8:00-8:30 am: **Introduction**  
Keith L. Carson - Conference Chairman

8:30-9:15 am: **PER.C6: A Novel Packaging Cell Line for RCA-Free Production of E1-Deleted Recombinant Adenovirus Vectors**  
Bram Bout, Ph.D. - *IntroGene*

9:15-10:00 am: **Development & Validation of Methods to Detect Replication Competent Retrovirus**  
Nancy Sajjadi - *Chiron Technologies*

10:00-10:30 am: **Break - Exhibit Area**  
**Analytical Control Systems for the cGMP Production & Quality Control of AAV Vectors**  
Charles Smith - *Targeted Genetics Corporation*

11:15-12:00 noon: **Quality Control of Incoming Raw Materials in a Viral Vaccine Operation**  
Robbie Robinson, Ph.D. - *Pfizer Animal Health*

12:00-1:30 pm: **Lunch - Exhibit Area**  
**New Adenovirus E1-Complementing Cell Lines Derived from A549 & Adenovirus Process Development Using the GFP Reporter Gene**  
Isabelle Vitte-Mony, Ph.D. - *Biotechnology Research Institute*

1:30-2:15 pm: **Rational Regulation of Gene Therapy: Are We There Yet?**  
Parris C. Burd, Ph.D. - *FDA/CBER*

3:00-3:30 pm: **Break - Exhibit Area**  
**Standardization of Viral Vector Infectious Titers for Clinical & Research Studies**  
Estuardo Aguilar-Cordova, Ph.D. - *Baylor College of Medicine*

3:30-4:15 pm: **Scale Up and Manufacturing of Viral Vaccines & Vectors**  
John G. Aunins, Ph.D. - *Merck & Company*

4:15-5:00 pm: **Improved Retroviral Vector Supernatant Potency from Bioreactor Culture**  
Richard J. Rigg, Ph.D. - *SyStemix, Inc.*

5:00-5:45 pm: **The Virginia Reception - Exhibit Area**

6:00-8:00 pm:

## **Tuesday, November 4**

7:30-8:30 am:

**Continental Breakfast - Exhibit Area**

8:30-9:15 am:

**Viral Vector Production in a Flat Stock Bioreactor**

Marylou Gibson, Ph.D. - *Molecular Medicine, LLC*

9:15-10:00 am:

**Quantitating Adenovirus Type 5 Particles by HPLC**

Paul Shabram - *Canji, Inc.*

10:00-10:30 am:

**Break - Exhibit Area**

10:30-11:15 am:

**Adenovirus Vector Production Issues: Case Studies**

Kathleen M. Hehir - *Genzyme Corporation*

11:15-12:00 noon:

**Serum-Free Retroviral Vector Production for Human Gene Therapy**

Hitoshi Kotani, DVM, Ph.D. - *Genetic Therapy, Inc.*

12:00-12:45 pm:

**Development of a Large-Scale Adenovirus Process**

Jean-Marc Guillaume, Ph.D. - *rPr Gencell*

6:30-8:00 pm:

**The Colonial Reception - Williamsburg Lodge**

## **Wednesday, November 5**

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:

**Production Issues in a National Gene Vector Lab: Adenovirus and AAV Vector Development**

Joseph V. Hughes, Ph.D. - *Institute for Human Gene Therapy*

2:15-3:00 pm:

**Production of Adenovirus-p53 (Ad-p53) Vectors in Attached and Serum-Free Suspension Cultures**

Toohyon Cho, Ph.D. - *Invitrogen Therapeutics*

3:00-3:30 pm:

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

3:30-4:15 pm:

**Development & Production of Virus-Like Particle Vaccines**

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

4:15-5:00 pm:

**Process Development for Multiple Viral Vectors - Common Issues & Solutions**

David F. Broad, Ph.D. - *Cell Genesys, Inc.*

5:00-5:45 pm:

**Production of rAAV Vectors for Ex-Vivo Stem Cell Therapy**

Joan M. Robbins, Ph.D. - *Immusol, Inc.*

7:00-10:00 pm:

**Banquet - Shields Tavern**

## **Thursday, November 6**

7:30-8:30 am:

**Continental Breakfast - Foyer**

8:30-9:15 am:

**Production & Characterization of Recombinant Adeno-Associated Virus for Applications in Gene Therapy**

Peter C. Brown, Ph.D. - *Avigen*

9:15-10:00 am:

**Optimization of Vero Cell Perfusion Culture**

Mike Berry, Ph.D. - *Pasteur Merieux Connaught*

10:00-10:30 am:

**Break - Foyer**

10:30-11:15 am:

**Process Development of Viral Vectors: Specific Production Challenges in Working with Adenovirus & Adeno-Associated Virus**

E. Morrey Atkinson, Ph.D. - *Targeted Genetics Corporation*

11:15-12:00 noon:

**Conceptual Design of a Multiuse Manufacturing Facility for Gene Therapy**

William R. Tolbert, Ph.D. - *WR Tolbert & Associates*

