

Facilities for Mammalian Cell Products

October 13 – 15, 2003

Sunday, October 12

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

Monday, October 13

7:00–8:00 am: *Registration and Continental Breakfast — Exhibit Area Foyer*

8:00–8:30 am: **Introduction**

Keith L. Carson — *Conference Chairman*

8:30–9:15 am: **Design, Construction, and Validation of a Multi-Product Pilot Facility: Experience from the Frontlines**

Natika Calhoun — *Lifeblood*

9:15–10:00 am: **Design Construction and Utilization of a GMP Facility in an Academic Center**

John McMannis, Ph.D. — *MD Anderson Cancer Center*

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

10:30–11:15 am: **Mammalian Cell Culture API, Phase II to Commercial: A Contractor's International Perspective, A Case Study**

Barbara Zinck — *Cambrex Bio Science Baltimore*

11:15–12:00 noon: **Modular Engineering and Constructing Concepts: A Case Study for a New Mammalian Cell Facility**

Jesper Hoejer — *Novo Nordisk Pharmaceuticals*

12:00–1:30 pm: *"Flavors of the Del" Lunch — Exhibit Area*

1:30–2:15 pm: **Manufacturing Cell Products in an Academic Facility**

Adrian Gee, Ph.D. — *Baylor College of Medicine*

2:15–3:00 pm: **Evolving Approaches to Modularization**

Bill Schaidle — *Fluor Daniel*

3:00–3:30 pm: **Break $\frac{3}{4}$ Exhibit Area**

3:30–4:15 pm: **A Case Study: 3D Design of a Large-Scale Bulk Biopharmaceutical Facility**

Vincent Narbut — *Biogen, Inc.*

4:15–5:00 pm: **Process System Modules: Design, Fabrication, Application, & Installation**

Matthew Cullen — *ITT Pure-Flo Systems Group*

5:00–5:45 pm: **Clinical Manufacturing for Cell Culture and Microbial Products**

Wayne Behan — *Clark, Richardson & Biskup*

6:00–7:30 pm: *"Some Like It Hot" Reception — Exhibit Area*

Tuesday, October 14

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

8:30–9:15 am: **Integration of Supply Chain Management with Facility Planning**

Kim Nelson, Ph.D. — *Clark, Richardson & Biskup*

9:15–10:00 am: **Addressing the Capacity Shortage for Clinical Trial Material for Non-Blockbuster Biologics**

William Treat, Ph.D. — *Avid Bioservices*

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

10:30–11:15 am: **Somatic Cell Therapy in a GMP Facility**
Diane Kadidlo — *Fairview University Medical Center*

11:15–12:00 noon: **Driving Down the Cost of Implementing and Validating Automated Processes Using an Object-Oriented Design Strategy**
Phillip Maderia — *Genzyme Corporation*

12:15 pm: **Board Bus for IDEC Tour (lunch will be provided)**

4:00 pm: **Return to Hotel del Coronado**

6:00–9:00 pm: **Conference Banquet on the Beach — Hotel del Coronado**

Wednesday, October 15

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

8:30–10:00 am: **Technical Workshops I**

10:00–10:30 am: **Break $\frac{3}{4}$ Exhibit Area**

10:30–12:00 noon: **Technical Workshops II**

12:00–1:30 pm: **“Dim Sum” Lunch — Exhibit Area**

1:30–2:15 pm: **Industrial Liaison: Best Practice Approaches to Achieving GMP Manufacturing in Academia and Industry**
Larry Couture, Ph.D. — *City of Hope National Medical Center*

2:15–3:00 pm: **Design Strategies for Multi-Product Facilities**
Jay Howard — *Fluor Daniel*

3:00–3:30 pm: **Break $\frac{3}{4}$ Exhibit Area (Exhibit Tear Down at 3:30 pm)**

3:30–4:15 pm: **Design Basis for a Multi-Product Contract Manufacturing Facility**
Ernest Bognar — *AppTec Laboratory Services*

4:15–5:00 pm: **Modular Construction Case Study: A Faster Way to Deliver a Biotech Facility**
Par Almhem — *Pharmadule, Inc.*

5:00–5:45 pm: **A Multi-Functional Viral Vaccine Development Facility**
Roshni Dutton, Ph.D. — *Aventis Pasteur*

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

Participating Exhibitors Include:

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| ◆ Welsh Development Agency | ◆ HyClone Laboratories | ◆ Integrated Engineering Services |
| ◆ JRH BioScience, Inc. | ◆ Paul Mueller Company | ◆ Westfalia Separator |
| ◆ Pharmadule | ◆ Irvine Scientific | ◆ Spectrum Laboratories |
| ◆ B. Braun Biotech | ◆ Wave Biotech | ◆ Pall Life Sciences |
| ◆ CUNO Incorporated | ◆ Beckman Coulter | ◆ Broadley-James Corp. |