



Cell Engineering

Optimizing Productivity, Stability and Safety

MONDAY, DECEMBER 1, 2008

4:00-6:00 pm **Registration**

TUESDAY, DECEMBER 2, 2008

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

8:00-8:30 am **Introduction by Conference Chairs**
Arnold H. Horwitz, PhD - *XOMA Corporation*
Rodney Combs - *Pfizer Inc.*

8:30-9:15 am **Meeting the Challenges of Effective Transition from Discovery to Manufacturing**
Arnold H. Horwitz, PhD - *XOMA Corporation*

9:15-10:00 am **Protein Production in Transiently-Transfected Mammalian Cells at Lab Scale: Comparison, Adaptation and Implementation of Strategies for Time and Cost Savings**
Gerald Casperson, PhD - *Pfizer Inc.*

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

10:30-11:15 am **Large-Scale tTransfection of CHO Cells for rProtein Production**
Yves Durocher, PhD - *National Research Council of Canada*

11:15 am-Noon **Metabolomics for Bioprocess Optimization**
Kirk Beebe, PhD - *Metabolon Inc.*

Noon-1:30 pm **Lunch**

1:00-1:30 pm **Poster Session**

1:30-2:15 pm **Metabolomics Profiling of Mammalian Cell Culture - Identifying Targets for Metabolic Intervention**
Ningning Ma, PhD - *Pfizer Inc.*

2:15-3:00 pm **The Silver Anniversary of Clinical Protein Production from Recombinant CHO Cell Culture**
Matt Croughan - *Keck Graduate Institute*

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

3:30-5:00 pm **Panel Discussion**



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WEDNESDAY, DECEMBER 3, 2008

- 7:30-8:30 am **Breakfast**
- 8:30-9:15 am **Case Study: Rapid Transition from Start-Up to Clinic**
Nalin Sar - *Oncomed Pharmaceuticals Inc.*
- 9:15-10:00 am **Generation of Stable, High-Expressing Mammalian Cell Lines in Four Months Without Antibiotic Selection or Gene Amplification**
Gregory T. Bleck, PhD - *Gala Biotech*
- 10:00-10:30 am **Break**
- 10:30-11:15 am **Technologies to Improve Cell Line Development**
Nels Pederson - *Biogen Idec*
- 11:15 am-Noon **Use of MAR Elements to Alleviate Epigenetic Silencing and to Maintain Constant Transgene Expression**
Nicolas Mermod, PhD - *University of Lausanne*
- Noon-6:00 pm **Free Afternoon with Recommended Group Activities**

THURSDAY, DECEMBER 4, 2008

- 7:30-8:30 am **Breakfast**
- 8:30-9:15 am **Scale-Down Process Optimization Using an Automated, High-Throughput Microbioreactor Platform**
Seth Rodgers - *Bioprocessors Corporation*
- 9:15-10:00 am **How Does the Cell Line and Industrial Process Affect Protein Modifications and Stability?**
Nigel Jenkins, PhD - *University College, Dublin, Ireland*
- 10:00-10:30 am **Break**
- 10:30-11:15 am **Efforts to Understand and Control Glycosylation in CHO Cell Culture Processes**
Melissa Mun - *Genentech*
- 11:15 am-Noon **Improving Cell Growth and Productivity with Recombinant Human Serum Albumin**
Steve Pettit, PhD - *InVitria*
- Noon-1:30 pm **Lunch**
- 1:00-1:30 pm **Poster Session**
- 1:30-2:15 pm **Increasing CHO Cell Expression of Recombinant Proteins by mRNA Optimization**
Arnold H. Horwitz, PhD - *XOMA Corporation*
- 2:15-3:00 pm **Roundtable Discussion**
- 3:00-3:30 pm **Break**
- 3:30-5:00 pm **Cell Banking/Cell Engineering - Combined Panel Discussion**