

September 20 – 24, 2010

Messe Basel
Basel / Switzerland

The Leading European Event for Drug Discovery



MipTec 2010 Symposium: “Eukaryotic Protein Expression for Pharmaceutical Research”

Date: September 20, 2010
Time: 08:00 – 18:15 at “Messe Basel”

Organizers: **Lorenz M. Mayr, Novartis Pharma (Basel, CH)**
Florian M. Wurm, EPFL (Lausanne, CH)
Stefan R. Schmidt, Erabiotech (Barcelona, ES)

Session I & II: Mammalian Expression Technologies

Chairs: S. Schmidt, Erabiotech (Barcelona, ES)
F. Wurm, EPFL (Lausanne, CH)

08:00 – 08:15 Welcome
L. M. Mayr
Novartis Pharma AG (Basel, CH)

08:15 – 09:00 **Keynote Lecture**
Protein diversity panels as a discovery platform:
Mining the mammalian extracellular proteome
S. Lesley
GNF (La Jolla, USA)

09:00 – 09:30 Large Scale Transient Transfection in CHO and HEK293 Cells
Y. Durocher
National Research Council Canada (Montreal, CA)

09:30 – 10:00 Recombinant protein expression in HEK293 vs. CHO cells:
Does it make a difference?
S. Geisse
Novartis Pharma AG (Basel, CH)

10:00 – 10:30 **Coffee Break**

10:30 – 11:00 Development of the extrachromosomal expression system for
production of therapeutic proteins and for cell-based assays
M. Ustav
University of Tartu (Tartu, EE)

11:00 – 11:30 Protein expression using engineered mammalian cell lines
and vectors
N. Mermod
University Lausanne (Lausanne, CH)

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- 11:30 – 12:00** Fast establishment of insect and mammalian production cell lines for structural biology by site-specific recombination
J. van den Heuvel
Helmholtz Centre Infectious Biology (Braunschweig, DE)
- 12: 00 – 12:30** Rapid and high yield production of proteins for preclinical and basic research in cultivated mammalian cells
M. de Jesus
ExcellGene SA (Monthey, CH)

Sponsored Lunch – Lunch Seminars:

Chairs: **Lorenz M. Mayr, Novartis Pharma (Basel, CH)**
Florian M. Wurm, EPFL (Lausanne, CH)
Stefan R. Schmidt, Erabiotech (Barcelona, ES)

- 12:45 – 12:55** xxxxxx (title)
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- 12:55 – 13:05** xxxxxx (title)
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- 13:05 – 13:15** xxxxxx (title)
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- 13:15 – 13:25** xxxxxx (title)
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N.N. (location)
- 13:25 – 13:35** xxxxxx (title)
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- 13:35 – 13:45** xxxxxx (title)
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N.N. (location)

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Session III: Baculovirus / Insect Cell Expression Technologies

Chair: R. Assenberg, Novartis Pharma AG (Basel, CH)

14:00 – 14:30 Optimisation of gene expression using baculovirus vectors in insect cells

L. King
Oxford Brooks University (Oxford, UK)

14:30 – 15:00 BacMam Gene Delivery in Drug Discovery

T. Kost
Glaxo Smith Kline (Raleigh-Durham, USA)

15:00 – 15:30 Freedom of Expression: Delivering the Genome

S. P. Chambers
AB-Pro Laboratories (Cambridge, USA)

15:30 – 16:00 **Coffee Break**

Session IV: High – Throughput Technologies

Chair: B. Gerhartz, Novartis Pharma AG (Basel, CH)

16:00 – 16:30 New HT Baculovirus Expression Tools for Multiprotein Complex Research

I. Berger
EMBL (Grenoble, FR)

16:30 – 17:00 ESPRIT: Library-based construct screening for difficult-to-express proteins

D. Hart
EMBL (Grenoble, FR)

17:00 – 17:30 Challenges and Opportunities for High-Throughput Systems with Suspension Cultures of Animal Cells

D. Hacker
EPFL (Lausanne, CH)

17:30 – 18:00 The structural proteomics of glycoproteins

R. J. Owens
OPPF UK (Oxford, UK)

18:00 – 18:15 Closing Remarks

L. M. Mayr
Novartis Pharma AG (Basel, CH)

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