

Protein Crystallography *in Drug Discovery*

30/31 March 2004, BOSTON, MA

Pre-conference workshops - 29 March

Conference & Exhibition

The new protein crystallography conference is focused on drug discovery and will attract all levels of participants from Directors to Scientists from:

- Lead Universities
- Research Institutes
- Service Companies
- R&D
- Structural Biology
- X-ray Diffraction Labs

Workshops



Fluidigm, DCA and Genomic Solutions will host pre-conference workshops. These are free to registered delegates and will allow you to see the latest equipment

Speakers

Database and Software Design for Automated Crystallization –
Dr. Joel Bard, Wyeth Research

Bioinformatics & Structural Biology in Drug Design – **Prof. Neera Borkakoti, Medivir UK Ltd**

A Robot for Crystallizing Membrane Proteins in Lipidic Mesophases –
Prof. Martin Caffrey, The Ohio State University

Protein Crystallization for Genomics: Towards High Throughput Optimisation Techniques –
Dr. Naomi Chayen, Imperial College London

Effective and Rational Protein Crystallization Using the Surface Entropy Reduction Approach –
Prof. Zygmunt Derewenda, University of Virginia

Away from the Edge: SAD Phasing from the Sulfur Anomalous Signal Measured in-House with Chromium Radiation – **Dr. Joseph Ferrara, Rigaku/MSD**

ASPECT: Automated System for Protein Expression and Crystallization Technology – **Dr. Herbert Klei, Bristol-Myers Squibb**

Airborne Chemistry in Protein Crystallization – **Prof. Staffan Nilsson, Lund University**

Platforms Emerging In The Drug Discovery Space – **Dr. Enal Razvi, DiscoverRx**

Crystallization Informatics: Database Software Tools for the Management and Formulation of Optimized Protein-Ligand Co-Crystallization Experiments – **Dr. Lance Stewart, deCODE genetics, Inc.**

Diversity and Specificity in Substrate Recognition in Crystal Structures of Mammalian Cytochrome P450s –
Dr. Charles Stout, The Scripps Research Institute

The High Throughput Structure Production Pipeline of the Northeast Structural Genomics Consortium –
Dr. John F. Hunt, Columbia University

Efficient Sub-Microliter, High Throughput Protein Crystallization Screening With a 96-Tip, Contactless Microsolenoid Dispenser –
Dr. Bernard Rupp, Lawrence Livermore National Laboratory

Recent Results from a State-of-the-Art CCD and Innovative New X-ray Source – **Dr. Leigh Rees, Oxford Diffraction**

Automated Evaluation of Images From Crystallization Experiments –
Dr. Julie Wilson, Research Fellow, York Structural Biology Laboratory

Optimizing Protein Crystallization Results – **Dr. Lawrence DeLucas, University of Alabama**

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Register online at
www.ProtCrystConf.com

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CONFERENCES**

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Agenda - Day One

09:00 **Morning Session**

Effective and Rational Protein Crystallization
Using the Surface Entropy Reduction Approach
Prof. Zygmunt Derewenda

Airborne Chemistry in Protein Crystallization
Prof. Staffan Nilsson

Diversity and Specificity in Substrate Recognition
in Crystal Structures of Mammalian Cytochrome
P450s
Dr. Charles Stout

Optimizing Protein Crystallization Results
Dr. Larry Delucas

12:10 Lunch & Exhibition

14:00 **Afternoon Session**

Database and Software Design for Automated
Crystallization
Dr. Joel Bard

Bioinformatics & Structural Biology in Drug
Design
Prof. Neera Borkakoti

Crystallization Informatics: Database Software
Tools for the Management and Formulation of
Optimized Protein-Ligand Co-Crystallization
Experiments.
Dr. Lance Stewart

Automated Evaluation of Images From
Crystallization Experiments
Dr. Julie Wilson

17:00 Drinks Reception within Exhibition
Sponsored by deCODE Genetics



Agenda - Day Two

09:00 **Morning Session**

ASPECT: Automated System for Protein
Expression and Crystallization Technology
Dr. Herbert Klei

A Robot for Crystallizing Membrane Proteins
in Lipidic Mesophases
Prof. Martin Caffrey

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The High Throughput Structure Production
Pipeline of the Northeast Structural Genomics
Consortium
Dr. John Hunt

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Registration Form

Early Bird* \$799 €699 £499 †
(Only available before 14th February)

Regular \$999 €899 £599 †

Academic \$499 €399 £299 †
(not for profit institution)

Group Rate \$699 €649 £449 †
(per person - minimum group of 4)

† Please delete currency as
necessary

Note VAT is charged in addition on
UK registrations

Number of delegates

PLEASE COMPLETE IN BLOCK LETTERS

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