

# Innovation in Life Science & Healthcare Research & Product Development

InterAction Meeting, 14-17 October 2008

Bryn Mawr College, Philadelphia, PA. USA

Join peers and industry experts  
to discuss latest experiences  
and developments in...

- ▶ Knowledge Management in R&D
- ▶ Systems Biology
- ▶ Computational Biology
- ▶ KM in Translational Medicine
- ▶ Applications of Metabolomics  
in Drug Discovery & Development
- ▶ Predictive ADME & Toxicology



...with a format designed to maximize  
InterAction & Discussions...

- ▶ Seminars and Panel Discussions
- ▶ Pre-conference workshop to advance best  
practices in KM in R&D
- ▶ Knowledge Cafes for small group  
discussions
- ▶ A beautiful setting to encourage relaxed  
discussions amongst peers

...and leave with a better  
understanding of how to approach...

- ▶ Vision & Strategy to Product Realities
- ▶ Knowledge-Integrated Scientific  
Innovation
- ▶ Earlier Incorporation of Safety in  
Design & Development
- ▶ Responding to User Requirements
- ▶ Opportunities for Collaboration



**Advances in Information, Communications and KM Support Systems in R&D led by John Conway (Accelrys) and Frank Hollinger (FRESH Directions Consulting)**

In this workshop Speaker Presentations and User Perspectives will be used to seed discussions on current and future research needs in Knowledge Management in R&D support systems, which will be carried out using a wiki-supported Knowledge Cafe format.

Frank Brown (Accelrys)  
Data is Only Valuable If You Can  
Extract the Information

Chris Culberson (Merck Research Laboratories)  
Title TBA

Tim McIntyre (GlaxoSmithKline)  
Workflow Application Enhances  
Productivity

Barry Hardy (Douglas Connect)  
Knowledge-Oriented Collaboration  
in Virtual Organisation Structures

Chris Smith (Pfizer)  
Title TBA

Ralph T. Mosley (Pharmasset)  
Going Big to Small:  
What Happens When You Leave Big Pharma?

**Systems Biology  
Chair: Keith Elliston (GenStruct)**

Speakers & Titles to be announced soon!



**Computational Biology  
Chair: Debraj GuhaThakurta (Rosetta Inpharmatics, Merck)**

Debraj GuhaThakurta  
(Rosetta Inpharmatics, Merck)  
Using Genetics, Gene Expression and Pathway  
Mining in Pharmaceutical Discovery: Application  
towards Metabolic & Cardiovascular Disorders

Stephen W. Edwards (U.S. Environmental Protection Agency)  
Systems Biology and Mode of Action Based Risk Assessment

James R. Brown (GlaxoSmithKline)  
Comparative Genomics and Drug Discovery

Paul McDonagh (Gene Network Sciences)  
Reverse Engineering and Simulating Causal  
Genetical Genomics Networks

Christopher M.L.S. Bouton (Pfizer)  
Semantic Web Modeling of Biological Systems

Wednesday 15

## Knowledge Management in Translational Medicine

David Bousfield (Ganesha Associates)

Barry Bunin (Collaborative Drug Discovery)  
Community-based Collaborative Drug Discovery  
for Neglected Infectious Diseases and Cancer

Anastasia Christianson (AstraZeneca)  
Translating Pre-clinical Data to Clinical Outcomes

John Speakman (National Cancer Institute)  
The Cancer Biomedical Informatics Grid (caBIG™):  
Re-engineering the Clinical Trials Enterprise

Brian Gilman, (SciLink)  
Building Social Networking  
Systems for Scientists

Eugene Clark (Partners Healthcare)  
Supporting Clinical Infrastructure and Processes  
with a Genetic Knowledge Repository

William Hayes (Biogen Idec)  
bioPharma Problems that Semantic  
Web Technologies can solve now

Jerry Wright (Johns Hopkins Medical Institutions)  
Extending the GeneGo Pathway Analysis Platform  
to Understand Cystic Fibrosis

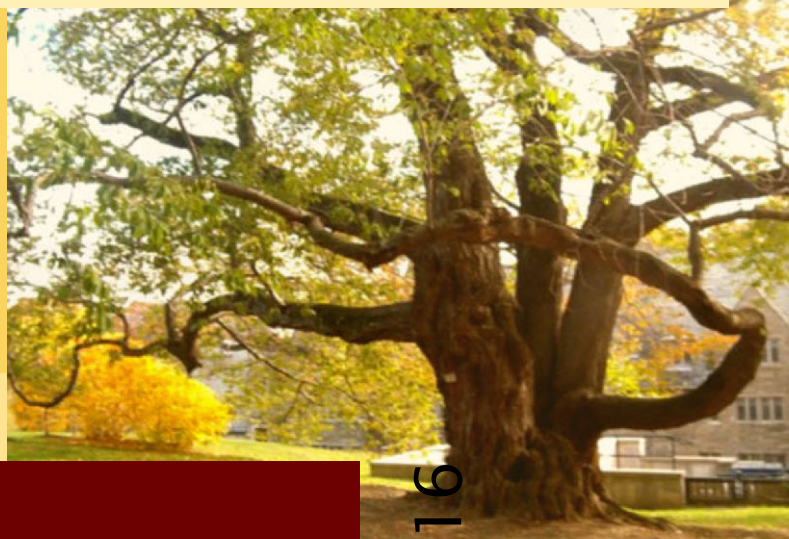
John Wilbanks (Creative Commons)  
Breaking down Barriers to Collaboration  
- the Health Commons Initiative

Michael Liebman (Windber Research Institute)  
Knowledge Management Solutions for Breast  
Cancer Biomarkers

James Golden (Science Applications International Corporation)  
Collecting and Aggregating Open Source Intelligence for Translational Medicine

Andrew McMurry (Harvard Medical School)  
Using Peer-to-peer Network Systems to Obtain  
Tissue - the Achievements of the Shared Pathology  
Informatics Network (SPIN)

▼  
Poster Session



Thursday 16

## Predictive ADME

Anthony E. Klon (Pharmacopeia Drug Discovery)

Anton Hopfinger (Univ. New Mexico)  
Novel MI-QSAR Descriptors for Use in Modeling  
Membrane Transport Processes Such as  
Skin Penetration Enhancement

Heidi Einolf (Novartis)  
Predictions of Metabolic  
Drug Drug Interactions

Yojiro Sakiyama (Pfizer)  
Application of Machine Learning Tools  
for *in silico* ADME Screening

Olga Obrezanova (BioFocus DPI)  
Automatic QSAR Modeling of  
Blood-Brain Barrier Penetration  
by Gaussian Processes Method

Anthony E. Klon (Pharmacopeia)  
Comparison of Machine Learning  
Algorithms to Predict ADME

**Applications of Metabolomics to Drug Discovery & Development  
Bruce Kristal (Brigham & Women's Hospital)**

Alvin Berger (Metabolon)  
Metabolomics to Advance  
Drug Discovery

Bruce Kristal (Brigham and Women's Hospital)  
Diet-based Plasma Metabolomics: Biomarkers  
for Disease Risk?

Pierre Beauparlant (Gemin X Pharmaceuticals)  
Target Identification Permits Rationale Develop-  
ment of the Prodrug GMX1777 for the Treatment  
of Melanoma

John Newman (USDA)  
Targeted Metabolomics in  
Drug Discovery

Mark Sanders (Thermo Fisher Scientific)  
Title TBA



**Knowledge Supper on Collaboration Opportunities  
in Predictive ADME & Predictive Toxicology**

Join us for a relaxing networking evening where good food  
combines with stimulating topics for excellent conversation



**Predictive Toxicology  
Artem Cherkasov (University of British Columbia)**

Alex Tropsha (Univ. North Carolina)  
Predictive Chemical Toxicity Models  
Using *in vitro* - *in vivo* Correlations  
Enriched by Cheminformatics

Artem Cherkasov (Univ. British Columbia)  
The Use of Conventional Drug Design Technologies for  
Identification of Potential Endocrine Disruptors Interacting  
with Sex-Hormone Binding Globulin in Zebra Fish

Weida Tong (FDA)  
The FDA's Endocrine Disruptor  
Knowledge Base (EDKB)- Lessons  
Learned in QSAR Modeling and  
Applications

Ann Richards (EPA)  
EPA DSSTox and ToxCast Project Updates:  
Generating New Data and Linkages in support of  
Public Toxicology-Cheminformatics Efforts

Curt Breneman (RPI)  
A Hard Look at Predictive Modeling:  
How much data is enough?

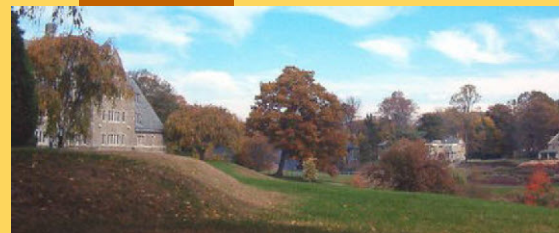
Barry Hardy (Douglas Connect)  
The OpenTox Project



Douglas Connect's Knowledge Cafe on Knowledge and Leadership, Basel, Switzerland, April 2007



DouglasConnect



Our special thanks go to Collene Wells and Dennis McHenry for the permission to use their photographs of Bryn Mawr Campus in this brochure

**Register now for  
Innovation in Life Science & Healthcare  
Research & Product Development**

**5 way to register..**

Online	innovationwell.net (Ticket Office is only visible after login)
Online	<a href="http://InnovationWell-BM810.eventsbot.com">http://InnovationWell-BM810.eventsbot.com</a>
eMail	innovationwell@douglasconnect.com
Phone	+41 61 851 04 61
eFax	+44 870 112 38 44
Post	Douglas Connect, Baermeggenweg 14, 4314 Zeiningen, Switzerland

Registration	Regular	Academic
	Full Pass	Day Pass

Name  
Name of Company or Institute  
Telephone No.  
email  
Billing address

**Registration Fees**

	Regular	Academic
Full Pass	\$1500	\$750
Day Pass (any single day)	\$550	

Payments can be made by bank transfer, cheque or credit card: Amex, MasterCard, Visa

City  
Postcode  
Country

Payment Option      Credit Card      Please send invoice