



Pharmaceutical
Education
Associates, LLC
Proudly Presents

Customize your experience
with these specialized tracks:

Nanotechnology

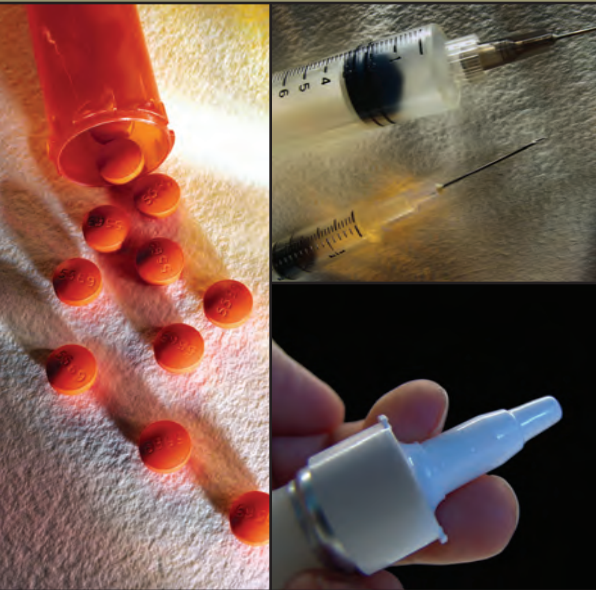
Ophthalmic

Nasal/Pulmonary

Transdermal/Injectables

Combination Products

The Business and Science of Drug Delivery



Switch between tracks as
often as you like
throughout the
conference for an
individualized experience!

The 3rd Annual

Drug Delivery 2008

Where Science and Business Meet

July 28-30 2008

◆ Hilton San Diego/Del Mar, CA

Thank You to Our Advisory Board!

Kay Rittenhouse, PFIZER

Gene Jamieson, JAZZ PHARMACEUTICALS

Vijay Tammara, MERCK

Larry Brown, BAXTER

Bruce Pratt, GENZYME

Uday Kompella, UNMC

Ashim Mitra, UKMC

Bozena Michniak-Kohn, RUTGERS UNIVERSITY

Raj Bawa, BAWA BIOTECH

Lian Huang, JOHNSON & JOHNSON

Join us for three days of learning and networking!

**Drug Delivery 2008 is where science and business meet!
You'll hear from top scientists, executives and other key
industry players.**

You'll learn:

- The buzz on Wall Street about drug delivery
- How to partner for success—and what industry trends reveal about effective partnering
- The latest scientific information in the nanotechnology, nasal, pulmonary, ophthalmic, transdermal, injectable, oral, and combination product fields
- The results of the latest clinical trials, and what is likely to be coming down the pipeline soon
- How to minimize your regulatory and compliance risks
- What all the speculation about specialty pharma really means

**To Register: Call 800-686-2276
or visit us at www.pharmedassociates.com**

New!
Speed Networking
Opportunities

Dear Colleague,

In order to thrive in the drug delivery field, you need the latest scientific and business knowledge.

Pharmaceutical Education Associates conferences are filled with high-level, knowledgeable people—and that's just our delegates! Our speakers are hand-picked for their in-depth understanding of the drug delivery field. We have assembled top minds from the drug delivery, pharmaceutical, biotechnology, device and venture capital fields. This means you'll have the opportunity to learn from and network with top minds.

We provide only the latest practical, actionable information relevant to the drug delivery community. Drug Delivery 2008, with its multiple tracks, allows a custom experience—whether you are a scientist or a business executive, you'll learn plenty at this one-of-a-kind event.

You'll choose from tracks covering the latest discoveries and trends in nanotechnology, transdermal/injectables, ophthalmic, nasal/pulmonary and combination product delivery. Plus, our science and business track offers cutting-edge business intelligence and strategies. This year offers expanded networking opportunities, including speed networking, and an all-new combination products track.

Take advantage of this opportunity. Much of what will be presented is so cutting-edge that it's not yet published, or is information (such as case studies) that our experts have developed especially for this conference. Come learn and network!

This conference will sell out, so please take a moment now to register.

See you in sunny San Diego!

Sincerely,

Wen Minkoff, PhD, Conference Director
PHARMACEUTICAL EDUCATION ASSOCIATES
Jeremy Turpen, Conference Director
PHARMACEUTICAL EDUCATION ASSOCIATES

PS. Bring your whole team up to speed with our group rates!

Register today! Call 800-280-8440 or register online at www.pharmedassociates.com.

Our speaking faculty includes:

Thank You to Our Advisory Board!

Kay Rittenhouse, PFIZER
Gene Jamieson, JAZZ PHARMACEUTICALS
Vijay Tammara, MERCK
Larry Brown, BAXTER
Bruce Pratt, GENZYME

Uday Kompella, UNMC
Ashim Mitra, UKMC
Bozena Michniak-Kohn,
RUTGERS UNIVERSITY
Raj Bawa, BAWA BIOTECH
Lian Huang, JOHNSON & JOHNSON

Keynote Speakers

Mostafa Analoui, PhD, Senior Director and Site Head for Groton/New London, Global Clinical Technology
PFIZER GLOBAL RESEARCH AND DEVELOPMENT

Bruce M. Pratt, Ph.D. Vice President, Science Development
GENZYME CORPORATION

Clive. N. Svendsen, Ph.D., Professor, Anatomy and Neurology and Co-Director, UW Stem Cell and Regenerative Medicine Center
UNIVERSITY OF WISCONSIN, MADISON

Donald Ellis, Partner & Senior Pharmaceutical Analyst
THOMAS WEISEL

Check the website for our continually-updated speaker list!

Who Should Attend?

This conference is designed for scientists and business professionals in the drug delivery, pharmaceutical, biotechnology, device and venture capital fields.

Our attendees include those working in:

- Drug Delivery
- Drug Discovery
- Inhaled/Respiratory Therapeutics
- Nanotechnology
- Topicals/Transdermal Delivery
- Parenterals
- Controlled Release
- Oral Delivery
- Injectables
- Prodrugs
- Ophthalmic Delivery
- Technology
- Drug Safety
- Device development
- Business Development
- Technology Transfer and Assessment
- Commercial Development
- Patents
- Licensing
- Life Cycle Management
- Strategic Planning and Development

- Pharmaceutical R&D
- Preformulation/Formulation/Stability Testing
- Product Development
- New Product Planning
- New Technology Evaluation
- Marketing
- Brand Management
- Product Management
- Sales
- Formulation Sciences
- Technology Development
- Commercial Development
- Corporate Development
- Research & Development

The conference is also of interest to:

- Venture capitalists
- Biotechnology consultants
- Pharmaceutical industry consultants
- Financial analysts
- Intellectual Property Attorneys
- Investment Bankers
- CROs
- Universities and Government Research Labs
- Testing and manufacturing equipment companies
- Packaging Companies
- Regulatory affairs professionals

Discover:

Hear in-depth, cutting-edge scientific and business information on:

- ♦ nanotechnology
- ♦ transdermal delivery
- ♦ ophthalmic delivery
- ♦ oral delivery
- ♦ injectables
- ♦ nasal/pulmonary delivery
- ♦ combination products
- ♦ drug development for effective delivery
- ♦ formulation for effective delivery
- ♦ the role of the device

Learn:

- ♦ **How to** overcome the challenges and capitalize on the opportunities impacting the drug delivery community
- ♦ **What you NEED TO KNOW** about the current regulatory environment—including the FDA Amendments Act
- ♦ How the continuing globalization of drug delivery will impact you
- ♦ Which **Drug delivery systems** are currently in development
- ♦ The latest **industry partnering trends**
- ♦ How to build **dynamic partnerships**
- ♦ The **buzz about drug delivery** on Wall Street
- ♦ How to **attract venture capital**
- ♦ **When to license**, and **when to buy**

...plus, network with other scientists, executives and industry experts!

Drug Delivery 2008 offers:

- ♦ **Over SIXTY DRUG DELIVERY SESSIONS!**
- ♦ **DISTINCT SCIENTIFIC TRACKS** covering the latest discoveries and trends in **NANOTECHNOLOGY, TRANSDERMAL/INJECTABLES, OPHTHALMIC, COMBINATION PRODUCT** and **NASAL/ PULMONARY** delivery.
- ♦ **AN EXTENSIVE business and science track** designed to provide practical, actionable information about the latest issues relevant to the entire drug delivery community.

Pharmaceutical Education Associates' Past Drug Delivery Events



Sponsorship and Exhibit Opportunities

Enhance your marketing efforts through sponsoring a special event or exhibiting your product at this event. We can design custom sponsorship packages tailored to your marketing needs, such as a cocktail reception or a custom-designed networking event.

To learn more about sponsorship opportunities, please contact Kevin Weigel at (704) 889-1296

Attend our all-new speed networking event

11:00 AM, Tuesday,
July 29th!

**To Register: Call 800-686-2276
or visit us at www.pharmedassociates.com**

Important Information

Four Ways to Register:

- ☎ **Fax:** 704-889-1292
- ✉ **Mail:** Pharmaceutical Education Associates
18705 NE Cedar Drive
Battle Ground, WA 98604
- ☎ **Phone:** 800-686-2276 or
919-325-0313 (international)
- 🌐 **Online:** www.pharmedassociates.com

Drug Delivery 2008: Where Science and Business Meet

Venue:

Hilton Del Mar, San Diego CA
15575 Jimmy Durante Blvd
Del Mar, California, 92014-1901
(858) 792-5200

Note: Should you require overnight accommodations, please contact the hotel at least **30 days prior** to the conference date. Advise them that you are attending the **Drug Delivery 2008** conference to receive the negotiated conference discount rate. Within 30 days of the conference, prevailing hotel rates may be quoted, as the conference rate is no longer guaranteed. **Book early—the hotel will sell-out!**

Fees and Payments:

The fee for attendance at Drug Delivery 2008: Where Science and Business Meet is \$2095

Government employees and academic rate: \$1195

Please make checks payable to Pharmaceutical Education Associates, and write code P678 and attendee(s) name on your check. You may also pay by Visa, MasterCard, Discover, or American Express. Purchase orders are also accepted. Payments must be received no later than **July 20, 2008**

Group discounts can only be issued through the group sales department. They are not available via website or through the 800# registration line. In order to secure a group discount, all delegates must place their registrations at the same time. Group discounts cannot be issued retroactively. For more information, please contact: Tracy McLaughlin anttmclaughlin@frallc.com or 704 889-1291

Cancellations:

If we receive your request to cancel 30 days or more prior to the conference start date, your registration fee will be refunded minus a \$175 administrative fee. Cancellations occurring between 29 days and the first day of the conference receive either a 1) \$200 refund; or 2) a credit voucher for the amount of the original registration fee, less a \$175 administrative fee. No refunds or credits will be granted for cancellations received after a conference begins or for no-shows. Credit vouchers are valid for 12 months from the date of issue and can be used by either the person named on the voucher or a colleague from the same company.

Please Note: For reasons beyond our control it is occasionally necessary to alter the content and timing of the program or to substitute speakers. Thus, the speakers and agenda are subject to change without notice. In the event of a speaker cancellation, every effort to find a replacement speaker will be made.

Drug Delivery 2008 Agenda and Speaking Faculty

MONDAY, JULY 28, 2008

Don't forget to visit www.pharmedassociates.com
for descriptions of each session!

8:00-9:00

Continental Breakfast and Meet & Greet

9:00-9:45

Keynote Address: Science and Business of Nanotechnology in Drug Discovery and Development

Mostafa Analoui, Ph.D., Senior Director and Site Head for Groton/New London, Global Clinical Technology
PFIZER GLOBAL RESEARCH AND DEVELOPMENT

9:45-10:30

Keynote Address: The Buzz on Wall Street

Donald Ellis, Partner & Senior Pharmaceutical Analyst
THOMAS WEISEL

10:30 – 11:00 Refreshment & networking break

11:00 – 11:30

Keynote Address: Industry Trends: What You Need to Know to Thrive

Bruce M. Pratt, Ph.D., Vice President, Science Development
GENZYME

11:30 – 12:00

Keynote Address: Delivering Stem Cells

Clive N. Svendsen, Ph.D., Professor, Anatomy and Neurology and Co-Director, UW Stem Cell and Regenerative Medicine Center
UNIVERSITY OF WISCONSIN, MADISON

12:00-1:30 Networking Luncheon

Tracks Begin

Don't forget to visit www.pharmedassociates.com
for descriptions of each session!

Track A

The Science & Business of Drug Delivery

1:30 PM
to
2:00 PM

Lipid-Based Drug Delivery Systems

Panayiotis P. Constantinides, Ph.D., BIOPHARMACEUTICAL AND DRUG DELIVERY CONSULTING, LLC

2:00 PM
to
2:30 PM

Has the Obviousness Standard Changed after KSR Ruling and the Emerging Trend Globally?

Balu Gupta, Ph.D, JD, SANOFI-AVENTIS

2:30 PM
to
3:00 PM

Refreshment and Networking Break

3:00 PM
to
3:30 PM

Latest Regulatory Issues in Drug Delivery

Michael A. Swit, Esq., Vice President, Life Sciences
THE WEINBERG GROUP INC.

Track B

Nasal/Pulmonary

Nanoparticles for nasal delivery

Uday Kompella, Associate Professor, Department of Pharmaceutical Sciences
UNIVERSITY OF NEBRASKA MEDICAL CENTER

Human Absorption and Toxicity in Intranasal and Lung Delivery: High-Throughput in vitro Assays

Katherine Tsaion, Ph.D., President
APREDICA

3:30 PM **Pharmaceutical Partnership Deals**

to

4:00 PM

Daryn A. Grossman, Partner
PROSKAUER ROSE LLP

Delivering to the CNS Intrasally

Louis Monti, MD, Ph.D., Director of Research
PHERIN PHARMACEUTICALS

4:00 PM **Aqueous Properties of Amphiphilic Block Copolymers, the Concepts and Models Useful in Drug Controlled Release**

to

4:30 PM

Gary Yu, Ph.D., President
ADVANCED POLYMER MATERIALS INC.

Improving Intranasal Drug Delivery with Nasal Models

Julie Kimbell, Ph.D., Associate Investigator
CIIT CENTERS FOR HEALTH RESEARCH



Track A

Track B

4:30 WINE & CHEESE RECEPTION

TUESDAY, JULY 29, 2008

Don't forget to visit www.pharmedassociates.com
for descriptions of each session!

Track A continued

The Science & Business of Drug Delivery

9:00 AM to 9:30 AM

Reaching the Promised Land: FDA Approval of "New & Improved" Drugs

Thomas Saunders, Partner
SEYFARTH SHAW LLP
John Serio, Partner
SEYFARTH SHAW LLP

9:30 AM to 10:00 AM

Track C

Ophthalmic

Topic TBD

Kay Rittenhouse, Ph.D., Director, Head of Ophthalmology
Translational Medicine, PGRD, PFIZER, INC.

New Therapeutic Approaches for the Treatment of Dry Eye Syndromes
Speaker TBD

Track B continued

Nasal & Pulmonary

Emerging Technologies for Reconstitution Intranasal Delivery Systems

Timothy Sullivan, CEO
MYSTIC PHARMACEUTICALS, INC.

Topic TBD
Per Djupesland
OPTINOSE (I)

10:00 AM to 10:30 AM

Refreshment and Networking Break

10:30 AM to 11:00 AM

Targeted Drug Delivery: CMC Regulatory Insights

Vijay K. Tammara, PhD, Associate Director, Worldwide Regulatory Affairs, MERCK RESEARCH LABORATORIES

Challenges to Topical Delivery via the Posterior Route

Ramesh Krishnamoorthy, Ph.D., Senior Director, Sterile Products
INSPIRE PHARMACEUTICALS (I)

Nasal Delivery for Acute Pain Relief

Michael Lusty, Ph.D., VP, Pharmaceutical Development
ITI

Track B Ends

11:00 AM to 12:00 PM

SPEED NETWORKING EVENT

New this year! Ensure you have the opportunity to connect with everyone present!

To Register: Call 800-686-2276 or visit us at www.pharmedassociates.com

Drug Delivery 2008 Agenda and Speaking Faculty

12:00 PM
to
1:00 PM

Luncheon

Track D

Combination Products

1:00 PM
to
1:30 PM

Prodrugs: What you need to know!
Scott Wasdo, Ph.D.
UNIVERSITY OF FLORIDA

Neuroprotection Update
Robert Peiffer, Senior Investigator
MERCK & CO

Effective CAPA programs for device and combination products
Nancy Singer, President, COMPLIANCE ALLIANCE (I)

1:30 PM
to
2:00 PM

Patent Strategies for Pharmaceutical Scientists
Srikumaran Melethil, Ph.D., J.D., Professor and Chair,
Department of Pharmaceutical Sciences, Patent Attorney,
School of Pharmacy, UNIVERSITY OF FINDLAY

Direction visualization of human tear dynamics using optical coherence tomography
Dr. Jianhua Wang, MD, PhD, BASCOM PALMER EYE INSTITUTE

Combination Products and Novel Formulations

Jin Long, Ph.D.

2:00 PM
to
2:30 PM

Refreshment and Networking Break

2:30 PM
to
3:00 PM

Developability Assessment
Lian F. Huang, Associate Director
JOHNSON & JOHNSON PHARMACEUTICAL RESEARCH & DEVELOPMENT, LLC

Topic TBD
Jon Crison, PhD, Director, Life Sciences, SIMULATIONS PLUS, INC

IP Update: Combination Products
Raj Bawa, Ph.D, President, BAWA BIOTECHNOLOGY CONSULTING, LLC; Advisor, Office of Technology Commercialization, RENSELAER POLYTECHNIC INSTITUTE

3:00 PM
to
3:30 PM

Defining the Future of Specialty Pharma

Allen Downs, Sr. Executive Director
PURDUE PHARMA

Intravitreal Pharmacokinetics

Ashim Mitra, Ph.D Missouri Curators' Professor and Chairman of Pharmaceutical Sciences, Vice Provost for Interdisciplinary Research, UNIVERSITY OF MISSOURI

Overcoming Development Challenges in Combination Drugs

Jay Trivedi, Licensing and Development, PATRIN PHARMA

3:30 PM
to
4:00 PM

Raising Stage Appropriate Capital Financing – Where to Look
Larry Stambaugh, Principal
APERCU CONSULTING

Track A Ends

Track C Ends

Roundtable with today's speakers

Track D Ends

WEDNESDAY, JULY 30, 2008

Don't forget to visit www.pharmedassociates.com for descriptions of each session!

Track E

Nanotechnology

Track F

Transdermal/Injectables

8:00 AM
to
9:00 AM

Breakfast

9:00 AM
to
9:30 AM

Monoclonal Antibodies
Larry Brown, Sc. D., Chief Technology Officer, BAXTER

Transport of Actives in Skin: Enhancers vs. Retardants
Bo Michniak, Professor, RUTGERS UNIVERSITY

4:00 PM Cocktail Reception



9:30 AM to 10:00 AM	Nano-Engineered Polymeric Drug Delivery Thomas Schluep, Sc.D. , <i>Chief Scientific Officer</i> INSERT THERAPEUTICS (i)	Topical Product Strategies for Follicular Delivery to the Skin David W. Osborne, Ph.D. , <i>Vice President, Product Development</i> , DOW PHARMACEUTICAL SCIENCES, INC.
10:00 AM to 10:30 AM	Refreshment and Networking Break	
10:30 AM to 11:00 AM	Controlled-Release Delivery Systems for Small Molecule and Protein Drugs Nigel McWilliam , <i>Director of Business Development</i> FLAMEL TECHNOLOGIES, INC	Novel Approaches to Transdermal Drug Delivery: A Case Study Judith Kornfeld , <i>Vice President of Business Development</i> TRANSPHARMA MEDICAL
11:00 AM to 11:30 AM	Stem Cells and Delivery Speaker TBD	Optimizing Transport Across Tissue Barriers: Iontophoresis S. Kevin Li , <i>Associate Professor</i> , College of Pharmacy UNIVERSITY OF CINCINNATI
11:30 AM to 12:00 PM	Engineering of Multifunctional Nanoparticles for Drug Delivery Applications Omid Farokhzad, Ph.D. , <i>Professor</i> , HARVARD	Transdermal Technologies Phyllis Gardner, M.D. , <i>Professor of Medicine</i> STANFORD UNIVERSITY
12:00 PM to 1:30 PM	Networking Luncheon	
1:30 PM to 2:00 PM	The Commercialization of Nanotechnology Systems Raj Bawa, Ph.D. , <i>President</i> , BAWA BIOTECHNOLOGY CONSULTING, LLC; <i>Advisor</i> , Office of Technology Commercialization, RENSSELAER POLYTECHNIC INSTITUTE	Sublingual and Buccal Permeability Bhaskara Jasti FORMUREX, UNIVERSITY OF THE PACIFIC
2:00 PM to 2:30 PM	Nanotechnology for Gene and Drug Delivery Uday Kompella, Ph.D. UNIVERSITY OF NEBRASKA MEDICAL CENTER	Microneedles for Minimally Invasive Drug Delivery Dr. Peter Daddona, Ph.D. , <i>Chief Scientific Officer</i> ZOSANO PHARMA (Formerly MACROFLUX CORPORATION/ALZA)
2:00 PM to 2:30 PM	Networking and Refreshment Break	
3:00 PM to 3:30 PM	Topic TBD Dan Peer, Ph.D. , CBR INSTITUTE FOR BIOMEDICAL RESEARCH	Patch Technologies Robert J. Bloder , <i>Vice President Business Development</i> AVEVA DRUG DELIVERY SYSTEMS, INC. A Nitto Denko Company

Track E Ends

Track F Ends

3:30 PM Conference Adjourns

Sponsorship and Exhibit Opportunities

Enhance your marketing efforts through sponsoring a special event or exhibiting your product at this event. We can design custom sponsorship packages tailored to your marketing needs, such as a cocktail reception or a custom-designed networking event.

To learn more about sponsorship opportunities, please contact Kevin Weigel at (704) 889-1296 or kweigel@pharmedassociates.com

Thank you to our Media Partners



To Register: Call 800-280-8440 or visit us at www.pharmedassociates.com

Drug Delivery 2008

To Register:

 Fax: 704-889-1292
 Mail: Pharmaceutical Education Associates
18705 NE Cedar Drive
Battle Ground, WA 98604
 Call: 800-686-2276 (US) or 919-325-0313 (internationally)
 Online: www.pharmedassociates.com

The fee for attendance at Drug Delivery 2007: \$2095
 Government employees and academic rate: \$1195

I qualify for the FDA/government employee rate
 Please contact me: I'm interested in a Group Discount Rate for my team
 Please contact me: I'm interested in Marketing Opportunities at this event
 I wish to receive updates on PEA's upcoming events via fax, email and phone.

Signature: _____

Name _____ Title _____
Company _____ Dept. _____
Address _____
City _____ State _____ Zip _____
Telephone: _____ Fax: _____
Email _____

Please Mention
This Priority Code
When Registering

Conference Code: P678



Pharmaceutical Education Associates
1840 41st Ave Ste 102-132
Capitola, CA 95010

PRSRT STD
U.S. POSTAGE
PAID
BURLINGTON, VT
PERMIT NO. 21

Please bill my: MasterCard Visa Amex Discover

Card Number _____

Exp. Date _____ Name on Card _____

Signature _____

Check enclosed Please bill me later

Make checks payable to Pharmaceutical Education Associates, and write P678 and attendee's name on your check.



The 3rd Annual

Drug Delivery 2008

Where Science and Business Converge

July 28-30 2008 ♦ Hilton San Diego/Del Mar, CA

**Drug Delivery 2008 is where science and business meet!
You'll hear from top scientists, executives and other
key industry players.**

You'll learn:

- The buzz on Wall Street about drug delivery
- How to partner for success—and what industry trends reveal about effective partnering
- The latest scientific information in the nanotechnology, nasal, pulmonary, ophthalmic, transdermal, injectable, oral, and combination product fields
- The results of the latest clinical trials, and what is likely to be coming down the pipeline soon
- How to minimize your regulatory and compliance risks
- What all the speculation about specialty pharma really means

To Register:

Call 800-686-2276 or visit us at www.pharmedassociates.com

