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May 18–21, 2009, Monday–Thursday
Georgia World Congress Center
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All events at Georgia World Congress Center unless otherwise noted.

Friday, May 15, 2009

- 7:30 am – 7:30 pm **BIO-LES Advanced Business Development Course**
Sheraton Hotel Atlanta
- 7:30 am – 7:30 pm **BIO-LES Business Development Basics Course**
Sheraton Hotel Atlanta
- 8:00 am – 5:00 pm **International Conference on Biotechnology Education**
Georgia Tech
- 9:00 am – 5:00 pm **BioParks 2009: The Infrastructure of Innovation**
Westin Peachtree Plaza

Saturday, May 16, 2009

- 8:00 am – 4:45 pm **BIO-LES Business Development Basics Course**
Sheraton Hotel Atlanta
- 8:00 am – 5:00 pm **BIO-LES Advanced Business Development Course**
Sheraton Hotel Atlanta
- 8:00 am – 5:00 pm **International Conference on Biotechnology Education**
Georgia Tech
- 9:00 am – 5:00 pm **BioParks 2009: The Infrastructure of Innovation**
Westin Peachtree Plaza

Sunday, May 17, 2009

- 7:30 am – 5:30 pm **BIO-LES Advanced Business Development Course**
Sheraton Hotel Atlanta
- 7:30 am – 5:30 pm **BIO-LES Business Development Basics Course**
Sheraton Hotel Atlanta
- 8:00 am – 5:00 pm **International Conference on Biotechnology Education**
Georgia Tech
- 8:00 am – 6:30 pm **BIO Entrepreneurship Bootcamp**
Rooms B310 & B311, Bldg. B, Level 3
- 8:30 am – 4:30 pm **Biotech Primer (Biobriefing: Biotechnology for the Nonscience Professional)**
Omni Hotel at CNN Center, Dogwood A
- 8:30 am – 4:45 pm **BIO Executive Presentation Workshop**
Rooms A314 & A315, Bldg. A, Level 3
- 8:30 am – 5:00 pm **BIO Golf Outing**
Stone Mountain Golf Club
- 6:30 pm – 7:30 pm **BIO Entrepreneurship Bootcamp Reception**
Room B311, Bldg. B, Level 3

Monday, May 18, 2009

- 7:00 am – 6:30 pm **BIO Concierge – Information & Housing**
Int'l Blvd. Lobby, Bldg. B, Level 4
- 7:00 am – 6:30 pm **BIO Store Open**
Int'l Blvd. Lobby, Bldg. B, Level 4
- 7:00 am – 6:30 pm **Registration Open**
Registration Hall, Bldg. B, Level 4
- 7:00 am – 6:30 pm **Business Forum Partnering Meeting Desk Open**
Hall A1, Bldg. A, Level 1
- 8:00 am – 5:00 pm **International Conference on Biotechnology Education**
Georgia Tech, Dogwood A
- 8:15 am – 6:00 pm **BIO Entrepreneurship Bootcamp**
Room B310, Bldg. B, Level 3
- 8:30 am – 6:00 pm **Fulfilling the Promise: Diversity in Biotechnology**
Omni Hotel at CNN Center
- 8:45 am – 5:30 pm **BioGENEius Challenge**
Level 3 Concourse, Bldg. A, Level 3
- 9:00 am – 5:30 pm **IBC Training Sessions**
Rooms A406-A410, Bldg. A, Level 4
- 10:00 am – 12:00 pm **Biotech Primer – Biotech for Non-Scientists: Learn the Basics**
Room B308, Bldg. B, Level 3
- 10:00 am – 5:00 pm **Business Forum Partnering Meetings**
Hall A1, Bldg. A, Level 1
- 1:00 pm – 5:00 pm **Leadership Summit on Food, Fuel & Sustainability**
Room B406, Bldg. B, Level 4
- 2:00 pm – 3:30 pm **Bioscience Education: State-by-State Analysis**
Room B306, Bldg. B, Level 3
- 2:00 pm – 3:30 pm **Breakout Sessions**
Rooms B302-B315, B406, Bldg. B, Levels 3 & 4
- 2:00 pm – 3:30 pm **Super Session**
Rooms B401 & B402, Bldg. B, Level 4
- 2:00 pm – 7:00 pm **BIO Career Fair**
Thomas B. Murphy Ballroom, Bldg. B, Level 5
- 3:00 pm – 3:30 pm **International Research & Development Presentations**
Room B308, Bldg. B, Level 3
- 4:00 pm – 5:30 pm **Breakout Sessions**
Rooms B302-B315, B406, Bldg. B, Levels 3 & 4
- 4:00 pm – 5:30 pm **International Research & Development Presentations**
Room B308, Bldg. B, Level 3
- 5:30 pm – 7:00 pm **BIO IP Counsels Reception**
Omni Hotel, Grand Ballroom E
- 7:15 pm – 9:00 pm **Welcome Reception**
Centennial Olympic Park

Tuesday, May 19, 2009

- 7:00 am – 6:30 pm **BIO Concierge Open – Information & Housing**
Int'l Blvd. Lobby, Bldg. B, Level 4
- 7:00 am – 6:30 pm **BIO Store Open**
Int'l Blvd. Lobby, Bldg. B, Level 4
- 7:00 am – 6:30 pm **Registration Open**
Registration Hall, Bldg. B, Level 4
- 7:00 am – 6:30 pm **Business Forum Partnering Meeting Desk Open**
Hall A1, Bldg. A, Level 1
- 8:00 am – 9:30 am **Breakout Sessions**
Rooms B301-B316, B405, B406, Bldg. B, Levels 3 & 4
- 8:00 am – 9:30 am **Super Session**
Sidney J. Marcus Auditorium, Bldg. A, Level 4
- 8:00 am – 3:30 pm **Federal Science & Opportunities**
Rooms B408 & B409, Bldg. B, Level 4
- 8:00 am – 5:00 pm **International Conference on Biotechnology Education**
Georgia Tech
- 8:00 am – 5:00 pm **Business Forum Partnering Meetings**
Hall A1, Bldg. A, Level 1
- 8:30 am – 3:00 pm **BioGENEius Challenge**
Level 3 Concourse, Bldg. A, Level 3
- 9:00 am – 11:15 am **Business Forum Company Presentations**
Rooms A311-A316, Bldg. A, Level 3
- 9:00 am – 11:30 am **International Research & Development Presentations**
Room B308, Bldg. B, Level 3
- 9:00 am – 5:30 pm **IBC Training Sessions**
Rooms A406-A410, Bldg. A, Level 4
- 10:00 am – 10:15 am **BIO Exhibition Ribbon Cutting Ceremony**
Level 2 Concourse, Bldg. B, Level 2
- 10:00 am – 11:30 am **Breakout Sessions**
Rooms B301-B316, B405, B406, Bldg. B, Levels 3 & 4
- 10:15 am – 5:00 pm **BIO Exhibition Open**
Exhibit Hall, Bldg. B, Level 1
- 10:15 am – 5:00 pm **BIO Patient & Health Advocacy Display/BIO Pavilion**
Building B, Level 1, Hall B2
- 12:00 pm – 1:30 pm **Keynote Luncheon**
Hall A3, Bldg. A, Level 1
- 2:00 pm – 3:30 pm **Breakout Sessions**
Rooms B301-B316, B405, B406, Bldg. B, Levels 3 & 4
- 2:00 pm – 3:30 pm **Super Session**
Rooms B401 & B402, Bldg. B, Level 4

- 2:00 pm – 5:00 pm **Business Forum Company Presentations**
Rooms A311-A316, Bldg. A, Level 3
- 3:00 pm – 3:30 pm **International Research & Development Presentations**
Room B308, Bldg. B, Level 3
- 4:00 pm – 5:30 pm **Breakout Sessions**
Rooms B301-316, B405, B406,
Bldg. B, Levels 3 & 4
- 4:00 pm – 5:30 pm **Super Session**
Sidney J. Marcus Auditorium
Bldg. A, Level 4
- 4:00 pm – 5:30 pm **International Research & Development Presentations**
Room B308, Bldg. B, Level 3
- 5:00 pm – 6:30 pm **BIO Exhibition Hospitality Receptions**
Exhibit Hall, Bldg. B, Level 1
- 5:00 pm – 6:30 pm **Think & Drink Discussion Forum**
East Plaza Entrance, Bldg. A, Level 4

Open Night**Wednesday, May 20, 2009**

- 7:30 am – 5:30 pm **BIO Concierge Open – Information & Housing**
Int'l Blvd. Lobby, Bldg. B, Level 4
- 7:30 am – 5:30 pm **BIO Store Open**
Int'l Blvd. Lobby, Bldg. B, Level 4
- 7:30 am – 5:30 pm **Registration Open**
Registration Hall, Bldg. B, Level 4
- 7:30 am – 5:30 pm **Business Forum Partnering Meeting Desk Open**
Hall A1, Bldg. A, Level 1
- 8:00 am – 9:30 am **Breakout Sessions**
Rooms B301-B316, B405, B406,
Bldg. B, Levels 3 & 4
- 8:00 am – 9:30 am **Super Session**
Rooms B401 & B402, Bldg. B, Level 4
- 8:00 am – 5:00 pm **Business Forum Partnering Meetings**
Hall A1, Bldg. A, Level 1
- 9:00 am – 9:30 am **International Research & Development Presentations**
Room B308, Bldg. B, Level 3
- 9:00 am – 11:15 am **Business Forum Company Presentations**
Rooms A311-A316, Bldg. A, Level 3
- 10:00 am – 11:30 am **International Research & Development Presentations**
Room B308, Bldg. B, Level 3
- 10:00 am – 11:30 am **Breakout Sessions**
Rooms B301-B316, B405, B406,
Bldg. B, Levels 3 & 4

- 10:00 am – 11:30 am **Health-Care Reform Session**
Room B408, Bldg. B, Level 4
- 10:00 am – 5:30 pm **BIO Exhibition Open**
Exhibit Hall, Bldg. B, Level 1
- 10:15 am – 5:00 pm **BIO Patient & Health Advocacy Display/BIO Pavilion**
Building B, Level 1, Hall B2
- 12:00 pm – 1:45 pm **Keynote Luncheon**
Hall A3, Bldg. A, Level 1
- 2:00 pm – 3:30 pm **Breakout Sessions**
Rooms B301-B316, B405, B406,
Bldg. B, Levels 3 & 4
- 2:00 pm – 3:30 pm **Super Session**
Rooms B401 & B402, Bldg. B, Level 4
- 2:00 pm – 3:30 pm **International Research & Development Presentations**
Room B308, Bldg. B, Level 3
- 2:00 pm – 5:00 pm **Business Forum Company Presentations**
Rooms A311-A316, Bldg. A, Level 3
- 3:30 pm – 4:30 pm **Scientific American Worldview Session**
Thomas B. Murphy Ballroom I,
Bldg. B, Level 5
- 4:00 pm – 4:30 pm **International Research & Development Presentations**
Room B308, Bldg. B, Level 3
- 4:00 pm – 5:30 pm **Breakout Sessions**
Rooms B301-B316, B405, B406,
Bldg. B, Levels 3 & 4
- 4:00 pm – 5:30 pm **Super Session**
Rooms B401 & B402, Bldg. B, Level 4
- 4:30 pm – 6:00 pm **International Reception**
Thomas B. Murphy Galleria, Bldg. B,
Level 5
- 5:00 pm – 6:30 pm **Think & Drink Discussion Forum**
East Plaza Entrance, Bldg. A, Level 4
- 7:45 pm – 9:30 pm **Gala Reception**
Georgia Aquarium

Thursday, May 21, 2009

- 7:30 am – 12:00 pm **Business Forum Partnering Meeting Desk Open**
Hall A1, Bldg. A, Level 1
- 7:30 am – 3:00 pm **BIO Concierge Open – Information & Housing**
Int'l Blvd. Lobby, Bldg. B, Level 4
- 7:30 am – 3:00 pm **BIO Store Open**
Int'l Blvd. Lobby, Bldg. B, Level 4
- 7:30 am – 3:00 pm **Registration Open**
Registration Hall, Bldg. B, Level 4
- 8:00 am – 9:30 am **Breakout Sessions**
Rooms B302-B316, B405, Bldg. B,
Levels 3 & 4

- 8:00 am – 12:00 pm **Business Forum Partnering Meetings**
Hall A1, Bldg. A, Level 1
- 9:00 am – 9:30 am **International Research & Development Presentations**
Room B308, Bldg. B, Level 3
- 10:00 am – 11:30 am **Breakout Sessions**
Rooms B302-B316, B405, Bldg. B, Levels 3 & 4
- 10:00 am – 11:30 am **International Research & Development Presentations**
Room B308, Bldg. B, Level 3
- 10:00 am – 3:00 pm **BIO Exhibition Open**
Exhibit Hall, Bldg. B, Level 1
- 10:15 am – 5:00 pm **BIO Patient & Health Advocacy Display/BIO Pavilion**
Building B, Level 1, Hall B2
- 12:00 pm – 2:30 pm **International Research & Development Presentations**
Room B308, Bldg. B, Level 3
- 2:00 pm – 3:30 pm **Breakout Sessions**
Rooms B302-B316, B405
Bldg. B, Levels 3 & 4
- 4:00 pm – 5:30 pm **Breakout Sessions**
Rooms B302-B316, B405, Bldg. B, Levels 3 & 4
- 6:30 pm – 9:30 pm **Closing Reception**
The Tabernacle



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Share Your BIO Experience

BIO International Convention Attendees, Bloggers, Podcasters, Video Bloggers, Photographers and Reporters

You are most welcome to blog, photograph, record and sketch all the happenings in and around Atlanta during the 2009 BIO International Convention. If you produce any material, we would love to be able to include it on in our official convention coverage on our event Web site (convention.bio.org) as well as other BIO online properties.*

We'll do our best to keep track of everything that pops up on our radar, but you can help us by:

- Tagging all content (blog posts, photos, links, video, etc.) with **bio09**
- Tagging photos and video during BIO — using flickr and youtube — with **bio09**
- Adding hashtag **#bio09** on Twitter and your tweets will display at **twitter.com/BIOconvention**
- E-mailing **web@bio.org** with questions or content you would like us to include in our coverage.*

* *BIO reserves the right to choose final content for inclusion in official feeds.*

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 International Blvd. Lobby, Building B, Level 7
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Need a restaurant recommendation or local travel information? Stop by the BIO Concierge and Information Desk. Our staff is ready to assist you with the following:

1. Access to myBIO, our personal event planner where you can search for sessions, exhibitors and print your own map.
2. Atlanta travel brochures, maps and local tourist information.
3. Consulting Services Information.
4. Restaurant Information.



James C. Greenwood

Greetings from the 2009 BIO International Convention!

You are part of the most important gathering of the global biotech community, showcasing and connecting the people, companies and biotech innovations that help heal, fuel and feed the world.

The next four days represent an unsurpassed opportunity to discuss breakthroughs in medicine, diagnostics, the environment, energy production, and food and agriculture; as well as address important industry issues and challenges like health-care pricing and access, intellectual property protection, climate change and biofuels, drought resistant crops, animal biotech, and capital formation and partnering strategies in a tight credit environment.

The BIO Business Forum provides powerful and efficient partnering tools, including our new One-on-One Partnering system, while the BIO Exhibition features international and domestic pavilions, Product Focus Zones, including our Emerging Technologies Zone, and free, live demonstrations like the cutting-edge CAVEman virtual reality exhibit which offers a fascinating view of the biomedical processes happening in the human body over time.

I know you will find these four days informative, enjoyable and productive. Thank you being a part of this amazing industry and thank for attending the 2009 BIO International Convention in Atlanta!

Welcome!

James C. Greenwood

President & CEO

Biotechnology Industry Organization



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As BIO International Convention sponsors, the following organizations are maximizing their visibility before thousands of participants. We appreciate our sponsors supporting our mission of expanding the biotech industry. Sponsorship revenues fund key year-round efforts such as advocacy, business development, networking, special events and publications. These organizations are furthering our mission as the biotech industry's leading nonprofit trade group.

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IDEAS VISION INSIGHT

Tuesday Keynote Luncheon

May 19, 12:00 pm – 1:30 pm

Georgia World Congress Center

Building A, Level 1

Exhibit Hall A-3

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Pharmaceutical Companies

Turning Challenges Into Opportunities: Biotechnology 2009 and Beyond

Keynote Speaker: **James C. Greenwood,**
President & CEO

Biotechnology Industry Organization (BIO)



NOTE: Keynote Luncheons are open to all Full Convention Access & Daily Full Convention Access Registrants.

Biotechnology and the HIV/AIDS Epidemic

Keynote Speaker: **Sir Elton John**



Sir Elton John will focus his address on the HIV/AIDS epidemic, how biotechnology has influenced prevention and treatment of the disease and an outlook of the challenges and solutions that lie ahead. The Elton John AIDS Foundation (EJAF) was established in the United States in 1992 (EJAF-US) and in the United Kingdom in 1993 (EJAF-UK) by founder and chairman Sir Elton John. Together, both entities have raised over \$150 million to support HIV/AIDS prevention and service programs in 55 countries around the globe. Today, EJAF is one of the world's leading nonprofit HIV/AIDS organizations supporting innovative HIV prevention programs, efforts to eliminate stigma and discrimination associated with HIV/AIDS, and direct care and support services for people living with HIV/AIDS. EJAF-US's current grant-making priorities target HIV prevention programs in the Southern United States, the Caribbean, and Latin America; HIV prevention and care services for highly marginalized and vulnerable populations; and HIV/AIDS prevention education and the promotion of sexual health for adolescents.

The winners of the following awards will be announced during our Tuesday Keynote Luncheon:

- **The BioGENEius Awards**
- **Genzyme-Life Technologies Biotech Educator Award**
- **Biotechnology Heritage Award**
- **Governor of the Year Award**

IDEAS VISION INSIGHT

Wednesday Keynote Luncheon

The Challenges and Opportunities Surrounding Health-Care Reform

May 20, 12:00 pm – 1:45 pm

Georgia World Congress Center
Building A, Level 1
Exhibit Hall A-3

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Driving Health-Care Reform: Cruise or Crash? The wheels are in motion for U.S. health-care reform. The Obama Administration and Congress are exploring how to restructure the delivery of the nation's health-care services with an eye toward improving quality, expanding coverage, and reducing costs – a lofty, sometimes a conflicting set of goals. President Obama has signaled that reform is best determined through a rigorous debate in Congress. As part of this deliberation, efforts are under way in the House and Senate, driven by teams from both political parties, to legislate this summer. This panel will preview the congressional debate as republican and democratic policy leaders and political operatives discuss their differing perspectives on the challenges and opportunities associated with the comprehensive reform of the U.S. health-care system.

Moderator:

Susan Dentzer

Panelists:

**Senator Tom Daschle
Senator William H. Frist, MD
Governor Howard Dean
Karl Rove**

The winners of the **Biotech Humanitarian Award** will be announced during our Wednesday Keynote Luncheon.



Susan Dentzer
Editor-in-Chief, *Health Affairs*



Senator Tom Daschle
Former Senate Majority and
Minority Leader



Senator William H. Frist, MD
18th Majority Leader, U.S. Senate,
2003–2007



Governor Howard Dean
Chairman, Democratic National
Committee, 2005–2009



Karl Rove
Former Deputy Chief of Staff
and Senior Advisor to
President George W. Bush

SUPER SESSIONS

Biotech Intellectual Property at the Crossroads

Monday, May 18, 2:00 pm – 3:30 pm

Room B401/B402, Building B, Level 4

Sponsored by: Eli Lilly and Company

The U.S. biotechnology industry today faces a confluence of legislative, judicial and executive branch developments that will profoundly affect its business model for decades to come. Biotechnology, as an industry singularly dependant on its intellectual property assets, must consider the impact of the biggest proposed changes to the patent laws in over 50 years. In addition, Congress is poised to create an abbreviated FDA regulatory pathway for follow-on biologics while, at the same time, attempting to establish a framework that will fairly protect the intellectual property, including patents and clinical trial data, developed by biotechnology innovators. In this session, experts will identify key policy issues at the intersection of intellectual property and health care, and apply lessons learned from 25 years of generic drug regulation to explore the role of patents, clinical data protection provisions, and other policy tools to ensure continued incentives for biotechnology innovation.

Chair:

John Lechleiter, PhD, Chairman, President & Chief Executive Officer, Eli Lilly and Company

Speakers:

Robert Armitage, Esq, Senior Vice President & General Counsel, Eli Lilly and Company

Gregory Glover, MD, JD, Principal, Pharmaceutical Law Group PC

H. Thomas Watkins, President and Chief Executive Officer, Human Genome Sciences, Inc

Beyond Business as Usual: Ernst & Young's Global Biotechnology Report 2009

Tuesday, May 19, 8:00 am – 9:30 am

Building A, Level 4

Sidney J. Marcus Auditorium

Sponsored by: Ernst & Young

A deep global recession. Risk-averse investors. Depressed valuations. Demanding regulators and payors. By any measure, these are challenging times. But are they unprecedented? What makes this crisis different? How are companies adapting, and what lies ahead? Ernst & Young — which has been tracking industry data since biotech's early days through 23 years of reports — brings unique historical context to the crisis. In this session, the firm will present key findings from *Beyond Borders*, Ernst & Young's Global Biotechnology Report 2009. Learn how the numbers held up — but also go beyond the data to identify emerging trends. How are firms moving beyond the borders of traditional solutions with business strategies, new funding sources and creative deals? How is the business of biotech going beyond business as usual?

Chair:

Glen Giovannetti, Global Biotechnology Leader,
Ernst & Young LLP

Speakers:

Samantha Du, Chief Executive Officer,
Hutchison MediPharma Limited

Colin Goddard, Chief Executive Officer,
OSI Pharmaceuticals

Adelene Q. Perkins, President,
Infinity Pharmaceuticals, Inc

Peter Wirth, Executive Vice President, Legal and
Corporate Development, Genzyme Corporation

Weathering the Perfect Storm of Financial Distress and Political Pressure

Tuesday, May 19, 2:00 pm – 3:30 pm

Room B401/B402, Building B, Level 4

Sponsored by: Biogen Idec

Biotech has developed treatments and cures and also created high quality jobs, yet continued investment and innovation cannot be taken for granted. With the global economy in a tailspin, job losses are mounting and investments are decreasing. The new U.S. administration

plans to reform health care and is pressed to drastically cut Medicare and Medicaid expenditures. While the sector's innovation is still primarily centered in the United States, ambitious players have emerged in other parts of the world and are beginning to prominently influence business strategy. How will this impact the biotech industry? Join financial experts, biotech leaders and industry analysts for a dynamic discussion on creating innovation and bringing hope to patients in the current economic environment. How will these ventures be financed and what must be managed to continue to build a strong biotech industry in the future.

Chair:

Stephen Sands, Managing Director and Global Co-Head, Lazard Freres & Company

Speakers:

Scott Gottlieb, MD, Resident Fellow,
American Enterprise Institute

Broderick D. Johnson, Partner, Bryan Cave LLP

Vaughn Kailian, Managing Director, MPM Capital, LLP

James C. Mullen, President & Chief Executive Officer, Biogen Idec, Inc

Burrill State-of-the-Industry Report

Tuesday, May 19, 4:00 pm – 5:30 pm

Building A, Level 4

Sidney J. Marcus Auditorium

Sponsored by: Burrill & Company

Biotech 2009 – Life Sciences: Navigating the Sea Change is Burrill's 23rd annual report on the state of the biotech industry, highlighting the critical developments in 2008 (across all sectors, not just human health care but also biogreentech, both in the U.S. and globally). The presentation will discuss the sea change that has occurred with the permanent restructuring of the capital markets making capital more difficult and expensive to secure. The changing world of health-care innovation and delivery, and the increased concern for global climate change, energy security and environmental sustainability are the major issues that will make 2009 very challenging as we come to terms with a business, policy and economic environment that is largely unfamiliar to us all.

Speaker:

G. Steven Burrill, Chief Executive Officer,
Burrill & Company

Global Biotechnology Innovation: Connecting the Laboratory, the Field and the Marketplace

Wednesday, May 20, 8:00 am – 9:30 am

Room B401/B402, Building B, Level 4

Sponsored by: UCB

The U.S. government is engaged in the full spectrum of product development from discovery to delivery. It is in the unique position to characterize emerging public health problems, foster innovation, conduct research and establish unique partnerships to introduce life saving products to global populations for improved health. Most biotechnology companies are unaware of the untapped, powerful and comprehensive potential for partnering with government scientists or agencies around R&D, market research and product uptake or implementation. This session will showcase the breadth of opportunities for public-private partnerships through illustrative case studies from the CDC, the CDC Foundation, FDA, NIH, Carter Center, and the Bill and Melinda Gates Foundation that include partnerships with NGOs, Proctor & Gamble, Google, WHO, big PHARMA and Ministries of Health.

Chair:

Louis W. Sullivan, MD, Chairman, National Health Museum Board, Former U.S. Secretary of Health and Human Services

Speakers:

Jim Curran, MD, MPH, Dean, Rollins School of Public Health, Emory University

Jesse Goodman, MD, MPH, Deputy Commissioner for Scientific and Medical Programs & Acting Chief Scientist, U.S. Food & Drug Administration

John E. Niederhuber, MD, Director, National Cancer Institute

Brad Perkins, MD, MBA, Chief Strategy and Innovation Officer, Centers for Disease Control and Prevention

Public Health and Business: Is the Sum Greater Than the Parts?

Wednesday, May 20, 2:00 pm – 3:30 pm

Room B401/B402, Building B, Level 4

Sponsored by: Vertex Pharmaceuticals Incorporated

Join us to explore the intersection between public health and business, which has been heightened by the domestic and global economic crisis. The burden on public health programs and the cost of chronic disease conditions provide, in part, an impetus for the

health reform debate in Washington. The burden of disease globally is expected to be focused upon with even greater intensity under the Obama Administration, creating the need for health-care businesses to reassess their own focus. Panelists will also discuss the implications of a constricting global economy as it relates to meeting the global public health challenge. Join this panel session and hear from public and private sector leaders who will play a key role in shaping the public policy and business response to the public health challenges we face here and around the globe.

Speakers:

Joshua Boger, PhD, Chief Executive Officer & Founder, Vertex Pharmaceuticals Incorporated

John P. Howe III, MD, President & Chief Executive Officer, Project HOPE

Susan Dentzer, Editor-in-Chief, Health Affairs

A Model Patent Office for the Future – Promoting and Protecting Investments in Innovation

Wednesday, May 20, 4:00 pm – 5:30 pm

Room B401/B402, Building B, Level 4

Sponsored by: GlaxoSmithKline

Controversy has been swirling around current legislative and administrative efforts to reform the U.S. patent system. But equally important, and less discussed, is the future of the Patent Office itself. This super session will focus on longer range views of what the model patent office of the future can and should look like to drive innovation and economic growth, and promote investment in IP-intensive industries. The panel will explore these questions from the perspective of large and emerging pharma/biotech and technology companies as customers of the patent system, patent law experts, and the Patent Office to determine if there is a consensus view on the design of a patent system that best maintains our position as the leader in global innovation.

Chair:

Sherry Knowles, Chief Intellectual Property Counsel, GlaxoSmithKline

Speakers:

Q. Todd Dickinson, Executive Director, American Intellectual Property Law Association; Former Under Secretary of Commerce, Intellectual Property & Director, United States Patent and Trademark Office

John Duffy, Professor of Law, George Washington University Law School

Breakout Sessions

Choose from 170 sessions covering important areas in biotechnology. Find tracks in your focus areas below. Session titles, dates and locations begin on page 22.

- **Health Care**
- **Industrial**
- **Environmental**
- **Agriculture**

- **Bioethics** – *Sponsored by:* Vertex Pharmaceuticals Incorporated
- **Biomarkers** – *Sponsored by:* EMD Serono, Inc.
- **Devices and Predictive Diagnostics** – *Sponsored by:* Innogenetics
- **Drug Delivery** – *Sponsored by:* Altea Therapeutics
- **Drug Discovery & Development** – *Sponsored by:* Fish & Richardson P.C. and Wyeth
- **Exciting Science 2009** – *Sponsored by:* Life Technologies
- **Food & Agriculture** – *Sponsored by:* Bayer CropScience, Dow AgroSciences LLC, DuPont and Monsanto Company
- **Global Biotechnology Issues** – *Sponsored by:* Kilpatrick Stockton LLP and sanofi-aventis
- **Industrial and Environmental** – *Sponsored by:* Fish & Richardson P.C. and The North Carolina Department of Commerce
- **International R&D Case Studies and Presentations** – *Sponsored by:* Amgen
- **Translational Medicine**
- **Vaccines** – *Sponsored by:* Wyeth

- **Operations**
- **Regulatory**
- **Financing**

- **Achieving Regulatory Approval**
- **Business Development** – *Sponsored by:* King & Spalding and Pfizer Inc.
- **Clinical Research/Clinical Trials** – *Sponsored by:* Pillsbury
- **Finance** – *Sponsored by:* Alexandria Real Estate Equities, Inc.
- **Growing the Biotech Workforce** – *Sponsored by:* Life Technologies
- **Legal Issues** – *Sponsored by:* Foley Hoag LLP and Vertex Pharmaceuticals Incorporated
- **Manufacturing** – *Sponsored by:* MedImmune and Novozymes
- **Policy**
- **Public Relations/Investor Relations** *Sponsored by:* Brodeur Partners
- **Technology Transfer/Licensing** – *Sponsored by:* WilmerHale

Breakout Session Schedule

Breakout Sessions are organized by Day, Time and then Track.

MONDAY, MAY 18

- 2:00 pm – 3:30 pm *Room B315*
Achieving Regulatory Approval
A Primer on REMS and the New Era at FDA
- 2:00 pm – 3:30 pm *Room B304*
Biomarkers
Biomarker and Business Models
- 2:00 pm – 3:30 pm *Room B313*
Business Development
A Marriage of Convenience? Big Pharma and Venture Capital
- 2:00 pm – 3:30 pm *Room B309*
Drug Discovery and Development
Mastering Your (Cell) Fate: Stem Cells, iPSCs and the Future of Medicine
- 2:00 pm – 3:30 pm *Room B314*
Finance
Raising Capital in an Economic Slowdown
- 2:00 pm – 3:30 pm *Room B312*
Global Biotechnology Issues
When East Meets West – How to Get Deals Done and Build Enduring Relationships
- 2:00 pm – 3:30 pm *Room B311*
Roundtable/Workshop
Manufacturing of Biologics & Drugs
A World of Biomanufacturing: Shortages or Global Glut?
- 4:00 pm – 5:30 pm *Room B315*
Achieving Regulatory Approval
FDA Science and Mission at Risk
- 4:00 pm – 5:30 pm *Room B304*
Biomarkers
Last Year's Clothes Just Don't Fit Anymore: New Approaches to Product Development Collaborations Between Drug and Diagnostic Companies
- 4:00 pm – 5:30 pm *Room B313*
Business Development
For Better or Worse, For Richer or Poorer: Partners Who Will Go The Distance
- 4:00 pm – 5:30 pm *Room B309*
Drug Discovery and Development
Making the Most of Drug Development Efforts through Global Outsourcing
- 4:00 pm – 5:30 pm *Room B314*
Finance
Life Cycle of a Life Sciences Company: Best Practices from Fundraising through the Exit

Earn CLE Credits at BIO!

Receive Continuing Legal Education (CLE) credits by attending sessions in the Legal Issues Track. Visit Room B303 for more information. In total, 15 credits will be available, including 1.5 hours of CLE ethics credit.

4:00 pm – 5:30 pm *Room B311*

Roundtable/Workshop
Global Biotechnology Issues

Innovating for Diabetes: A Number One Priority

4:00 pm – 5:30 pm *Room B303*

Legal Issues

Contract Workshop: Best Practice Indemnification Provisions

4:00 pm – 5:30 pm *Room B302*

Manufacturing of Biologics & Drugs

Manufacturing Biologics...and Talent

TUESDAY, MAY 19

8:00 am – 9:30 am *Room B315*

Achieving Regulatory Approval

Regulatory Best Practices for Emerging Companies & First-Time Filers

8:00 am – 9:30 am *Room B306*

Bioethics

Financial Conflicts of Interest in Medical Research: Problem or Problem of Perception?

8:00 am – 9:30 am *Room B304*

Biomarkers

Integrating Genetic Markers in Drug Development: How Personalized Medicine is Evolving Predictive Treatment

8:00 am – 9:30 am *Room B313*

Business Development

Alliance Management's Role in Building Partner-centric Organizations: Recipe for Successful Alliances

8:00 am – 9:30 am *Room B406*

Devices and Predictive Diagnostics

Creating New Markets Where Doctors Don't Want Them

8:00 am – 9:30 am *Room B309*

Drug Discovery and Development

Moving Preclinical Safety Evaluation from Toxicity Determination to Risk Assessment

8:00 am – 9:30 am *Room B408*

Federal Science & Opportunities

How to Partner with Government

8:00 am – 9:30 am *Room B409*

Federal Science & Opportunities

Regulatory Science and Perspectives: Scientific Priorities at FDA

continued

TUESDAY, MAY 19

- 8:00 am – 9:30 am *Room B310*
Food and Agriculture
The Value Proposition for Next-Generation Energy Crops: Value Chain and Business Model Considerations
- 8:00 am – 9:30 am *Room B312*
Global Biotechnology Issues
Global Collaboration Structures to Sustain Viable Research-based Biomed Industry
- 8:00 am – 9:30 am *Room B305*
Industrial and Environmental
The Importance of Water
- 8:00 am – 9:30 am *Room B303*
Legal Issues
Launching a Commercial Product: The Key Legal and Regulatory Issues You Need to Know
- 8:00 am – 9:30 am *Room B302*
Manufacturing of Biologics & Drugs
Challenges in Stem Cell Manufacturing
- 8:00 am – 9:30 am *Room B301*
Policy
The Emerging Promise of Personalized Medicine
- 8:00 am – 9:30 am *Room B311*
Roundtable/Workshop
Public Relations/Investor Relations
Media Speed-Dating: Get Up Close and Personal with Biotech Journalists
- 8:00 am to 9:30 am *Room B405*
Translational Medicine
Nurturing Hatchlings: New Models for Supporting Innovation
- 10:00 am – 11:30 am *Room B315*
Achieving Regulatory Approval
Policy Developments in Pharmacogenomics Diagnostic Regulation – Case Studies from Australia, Europe and the United States
- 10:00 am – 11:30 am *Room B306*
Bioethics
Transforming the Research Paradigm: 21st Century Models to Unify Discovery Research and Clinical Care
- 10:00 am – 11:30 am *Room B304*
Biomarkers
Biomarkers for Traumatic Brain Injury: An Emerging Diagnostic Area
- 10:00 am – 11:30 am *Room B313*
Business Development
Biotech M&A – How to Sell Your Company in an Environment of Consolidation

10:00 am – 11:30 am *Room B406*
Devices and Predictive Diagnostics
Nanomedicine Applications for Cancer Detection and Diagnosis

10:00 am – 11:30 am *Room B309*
Drug Discovery and Development
Changing the Game: Emerging Technologies for Next-Generation Protein Therapeutics

10:00 am – 11:30 am *Room B408*
Federal Science & Opportunities
Hot Federal Biotechnologies Available for Collaboration

10:00 am – 11:30 am *Room B409*
Federal Science & Opportunities
Use of Products during Public Health Crisis: Focus on Emergency Use Authorization (EUA)

10:00 am – 11:30 am *Room B314*
Finance
Strategic vs. Financial Investing: A Dealmakers' Discussion of Goals, Targets and Strategies

10:00 am – 11:30 am *Room B311*
Roundtable/Workshop
Food and Agriculture
Global Product Stewardship

10:00 am – 11:30 am *Room B312*
Global Biotechnology Issues
Asia as the Biosimilar Launch Pad

10:00 am – 11:30 am *Room B305*
Industrial and Environmental
Hype or Hope: The Real Prospects for Success in Cleantech

10:00 am – 11:30 am *Room B303*
Legal Issues
Working within the Post-FDAAA Regulatory System to Mitigate the Risks of Marketing Biopharmaceuticals

10:00 am – 11:30 am *Room B302*
Manufacturing of Biologics & Drugs
Biopharmaceutical Manufacturing Challenges – When Will Harmonization Resolve the Differences?

10:00 am – 11:30 am *Room B301*
Policy
Preparing Before the Storm: The Reimbursement Policy Disaster

10:00 am – 11:30 am *Room B316*
Public Relations/Investor Relations
What to Say, When and How. Navigating the Regulatory Minefield

10:00 am – 11:30 am *Room B405*
Translational Medicine
Translational Medicine – Taking Policy into Practice

CANCELLED

continued

TUESDAY, MAY 19

- 2:00 pm – 3:30 pm *Room B306*
Bioethics
**Protecting Human Research Subjects:
What Is Industry's Role? How Are We Doing?**
- 2:00 pm – 3:30 pm *Room B313*
Business Development
**Out or In, Big or Small: Industry and Venture-
backed Out Licensing Deals and New Companies
– What Are We Looking For?**
- 2:00 pm – 3:30 pm *Room B309*
Drug Discovery and Development
**From Productivity to Sustainability:
New R&D Models for Life Sciences**
- 2:00 pm – 3:30 pm *Room B304*
Exciting Science 2009
**Induced Pluripotent Stem Cells Revisited –
Where Are We Now and Where Are We Going?**
- 2:00 pm – 3:30 pm *Room B408*
Federal Science & Opportunities
Federal Laboratory Consortium
- 2:00 pm – 3:30 pm *Room B409*
Federal Science & Opportunities
Biomedical Computing and Improved Health Care
- 2:00 pm – 3:30 pm *Room B314*
Finance
**Super Models: The New Breed of Life Science
Financing**
- 2:00 pm – 3:30 pm *Room B310*
Food and Agriculture
**Public-Private Partnerships in Agricultural
Biotechnology: Going Beyond Development
Impact**
- 2:00 pm – 3:30 pm *Room B312*
Global Biotechnology Issues
**International Trade Agreements and Biopharma
Strategies to Gain Market Access**
- 2:00 pm – 3:30 pm *Room B311*
Roundtable/Workshop
Industrial and Environmental
**The Forest Bioeconomy: Next Generation
Biofuels to Personalized Medicine**
- 2:00 pm – 3:30 pm *Room B303*
Legal Issues
**Preemption of Product Liability Litigation
on FDA-Regulated Products**
- 2:00 pm – 3:30 pm *Room B316*
Public Relations/Investor Relations
**Communicating Your Story: Dual Path
Exit Strategies**

2:00 pm – 3:30 pm *Room B405*

Translational Medicine

Stem Cells: Translating Exciting Preclinical Data into Human Clinical Trials

4:00 pm – 5:30 pm *Room B315*

Achieving Regulatory Approval

Is Gaining Drug Approval More Difficult in Europe Than the US, or Vice Versa?

4:00 pm – 5:30 pm *Room B306*

Bioethics

The Ongoing Quest for the \$1,000 Genome – Are We There Yet, and Are We Ready?

4:00 pm – 5:30 pm *Room B313*

Business Development

M&A for U.S. Biotech: Think Outside the Box

4:00 pm – 5:30 pm *Room B311*

Roundtable/Workshop

Devices and Predictive Diagnostics

Co-development of Therapies and Diagnostics: Opportunities and Barriers

4:00 pm – 5:30 pm *Room B309*

Drug Discovery and Development

The Fountain of Youth: Drugs Targeting Pathways Regulating Aging

4:00 pm – 5:30 pm *Room B304*

Exciting Science 2009

Size Does Matter: The Increasing Importance of Nanotechnology to the Biotech Industry

4:00 pm – 5:30 pm *Room B314*

Finance

Undiscovered Capital! Realizing the Potential of Government Incentives and Grants

4:00 pm – 5:30 pm *Room B310*

Food and Agriculture

Saving Harvests, Lives & Livelihoods: Breakthroughs in Plant Stress Tolerance Technologies

4:00 pm – 5:30 pm *Room B312*

Global Biotechnology Issues

Bio-Manufacturing and High-Tech Facilities: How to Share Tools Between Bio-Regions?

4:00 pm – 5:30 pm *Room B305*

Industrial and Environmental

Bringing Market Perspective to the Development of Biobased Chemicals

4:00 pm – 5:30 pm *Room B303*

Legal Issues

Current Challenges in Managing Relationships Between Industry and Physicians

CANCELLED

continued

TUESDAY, MAY 194:00 pm – 5:30 pm *Room B302**Manufacturing of Biologics & Drugs***Approaches to Quality by Design Submissions for Biopharmaceuticals**4:00 pm – 5:30 pm *Room B301**Policy***Biotechnology and Life Sciences in the EU: Current Developments in Regulations, Innovation and Research Funding**4:00 pm – 5:30 pm *Room B316**Public Relations/Investor Relations***Spreading the Word: New Technologies Mean Everyone Is a Journalist**4:00 pm – 5:30 pm *Room B405**Translational Medicine***Translating Promising Science to CNS Treatments****WEDNESDAY, MAY 20**8:00 am – 9:30 am *Room B311**Roundtable/Workshop**Business Development***Balancing the Equation in Leading Deals: Cherry Picking Value or a Sustainable Course?**8:00 am – 9:30 am *Room B405**Clinical Research/Clinical Trials***Generating Time and Cost Efficiencies Without Compromising Data Quality Through Targeted Site Selection, Recruitment, Retention and Monitoring**8:00 am – 9:30 am *Room B406**Devices and Predictive Diagnostics***Must Diagnostic Companies Choose Between Proprietary and CRO Business Models for Targeted Therapeutics?**8:00 am – 9:30 am *Room B309**Drug Discovery and Development***Extending the Half Life of Proteins**8:00 am – 9:30 am *Room B304**Exciting Science 2009***Neurogenesis: Enhancing Brain Cell Growth for the Treatment of Depression**8:00 am – 9:30 am *Room B314**Finance***Is Venture Philanthropy the New Venture Capital?**8:00 am – 9:30 am *Room B310**Food and Agriculture***Ag Biotech – Improving Farmers' Lives**

- 8:00 am – 9:30 am *Room B312*
Global Biotechnology Issues
Fast Forwarding Life Science Innovation: What Works, What Doesn't, Where Do We Go From Here?
- 8:00 am – 9:30 am *Room B306*
Growing the Biotech Workforce
The Brain Drain Runs Both Ways: The Global Market for Scientific and Technical Talent
- 8:00 am – 9:30 am *Room B305*
Industrial and Environmental
Improving Drug Manufacturing and Helping the Environment through Controlled Enzyme Evolution
- 8:00 am – 9:30 am *Room B303*
Legal Issues
The Narrowing Scope of Biotech Patent Claims: What Does It Mean for the Industry?
- 8:00 am – 9:30 am *Room B302*
Manufacturing of Biologics & Drugs
Rapid Response: How Biodefense Is Driving Transformations in Biomanufacturing
- 8:00 am – 9:30 am *Room B301*
Policy
Apples & Oranges: The Opportunities & Challenges for Implementing Comparative Effectiveness Research
- 8:00 am – 9:30 am *Room B316*
Technology Transfer/Licensing
PDPs and Alternative IP Management/Tech Transfer Strategies for Improved Global Health
- 10:00 am – 11:30 am *Room B315*
Achieving Regulatory Approval
FDA Town Hall
- 10:00 am – 11:30 am *Room B313*
Business Development
Global Intellectual Property Due Diligence
- 10:00 am – 11:30 am *Room B405*
Clinical Research/Clinical Trials
New Developments in Targeted Cancer Therapies
- 10:00 am – 11:30 am *Room B406*
Devices and Predictive Diagnostics
Bench to Bedside: Formulating Winning Strategies in Molecular Diagnostics
- 10:00 am – 11:30 am *Room B304*
Exciting Science 2009
Where to Find the Drugs: Ubiquitin Component Systems, Are They the Next Generation Kinases?
- 10:00 am – 11:30 am *Room B311*
Roundtable/Workshop
Finance
"Where's the Door? I Want to Get Out!"

continued

WEDNESDAY, MAY 20

Searching for the Exits

10:00 am – 11:30 am *Room B310*

Food and Agriculture

Genetically Engineered Animals (Livestock) and Public Health

10:00 am – 11:30 am *Room B312*

Global Biotechnology Issues

Product Development for Global Health: Addressing the Resource Challenge

10:00 am – 11:30 am *Room B306*

Growing the Biotech Workforce

Building a Workforce Pipeline

10:00 am – 11:30 am *Room B305*

Industrial and Environmental

The Future of Industrial Biotechnology

10:00 am – 11:30 am *Room B303*

Legal Issues

Shaping Biosimilars Policy: The Interplay of Data Exclusivity, Patient Safety and Patents

10:00 am – 11:30 am *Room B302*

Manufacturing of Biologics & Drugs

Transforming Current Biomanufacturing Models through Powerful Partnerships

10:00 am – 11:30 am *Room B301*

Policy

Developing Drugs for Rare Diseases

10:00 am – 11:30 am *Room B316*

Technology Transfer/Licensing

Town and Gown: Novel Industry-University Partnerships to Drive Innovation

2:00 pm – 3:30 pm *Room B311*

Roundtable/Workshop

Achieving Regulatory Approval

FDA Amendments Act (FDAAA) of 2007: Implementation, Effects on Innovation and the Impending Debate on “PDUFA V.”

2:00 pm – 3:30 pm *Room B313*

Business Development

Deal-Making with Japanese Pharmaceutical Companies

2:00 pm – 3:30 pm *Room B405*

Clinical Research/Clinical Trials

Improving Chronic Disease Management Through the Convergence of Informatics and Research in Prevention/ Epidemiology, Clinical Trials and Clinical Care

2:00 pm – 3:30 pm *Room B406*

Devices and Predictive Diagnostics

Diagnostics: When Disease Information Enables Treatment Decisions

- 2:00 pm – 3:30 pm *Room B302*
Drug Delivery
Enabling Drug Delivery Technologies: Improving Current Therapies and Helping New Chemical Entities Reach the Market
- 2:00 pm – 3:30 pm *Room B304*
Exciting Science 2009
Transformational Tools: How New Research Technologies Are Changing the Rules of the Game
- 2:00 pm – 3:30 pm *Room B314*
Finance
Non-dilutive and Other Non-traditional Forms of Financing
- 2:00 pm – 3:30 pm *Room B310*
Food and Agriculture
Challenges and Solutions in Commercializing Genetically Engineered Animals and Their Products
- 2:00 pm – 3:30 pm *Room B312*
Global Biotechnology Issues
China: Chain to Global Multi-Center Clinical Trial
- 2:00 pm – 3:30 pm *Room B306*
Growing the Biotech Workforce
Developing Highly Effective Partnerships with University Workforce Development Programs
- 2:00 pm – 3:30 pm *Room B305*
Industrial and Environmental
Behind the Scenes or Behind Your Back? The Intricacies of Open Innovation in the Cleantech World
- 2:00 pm – 3:30 pm *Room B303*
Legal Issues
Injunctions in the Post-eBay World: Will Compulsory Licensing and Price Competition Become the New Paradigm for Biologics?
- 2:00 pm – 3:30 pm *Room B301*
Policy
The 111th Congress: What's Happened and What's to Come in Its 1st Session
- 2:00 pm – 3:30 pm *Room B316*
Technology Transfer/Licensing
Technical Standards Development in the Biosciences: Legal Issues and Pitfalls
- 2:00 pm – 3:30 pm *Room B309*
Vaccines
Renewing the Promise of DNA Vaccines: Strategies to Enhance Delivery, Efficacy and Immunogenicity
- 4:00 pm – 5:30 pm *Room B313*
Business Development
Maximising Value: How Tough Markets Are Reshaping the Business Models of Big Pharma and Venture Capital

continued

WEDNESDAY, MAY 20

4:00 pm – 5:30 pm Room B405

Clinical Research/Clinical Trials

Adaptive Research in Practice: Key Elements and Implications for Development

4:00 pm – 5:30 pm Room B311

Roundtable/Workshop

Devices and Predictive Diagnostics

Advances in Predictive Diagnostics for Alzheimer's Disease

4:00 pm – 5:30 pm Room B302

Drug Delivery

Novel Vaccine Delivery Technologies: More Than Just a Needle

4:00 pm – 5:30 pm Room B304

Exciting Science 2009

RNA Rx: the Next Wave of Therapeutics beyond RNAi

4:00 pm – 5:30 pm Room B314

Finance

Raising Venture Capital in the U.S.: A Practical Road Map for Foreign Companies to the World's Largest Venture Capital Pool

4:00 pm – 5:30 pm Room B310

Food and Agriculture

Advances and Opportunities for AgBiotech in Latin America

4:00 pm – 5:30 pm Room B312

Global Biotechnology Issues

International Competitiveness: Survival Guide for a Challenging Global Environment

4:00 pm – 5:30 pm Room B306

Growing the Biotech Workforce

How to Grow and Retain Your Biotech Dream Team

4:00 pm – 5:30 pm Room B305

Industrial and Environmental

Creating a Future for Sustainable Cellulosic Biofuel Production

4:00 pm – 5:30 pm Room B303

Legal Issues

Strategic Considerations in Coordinating Acceleration of International Patent Prosecution

4:00 pm – 5:30 pm Room B301

Policy

Europe: The Changing Dynamics of the Public Health Environment

4:00 pm – 5:30 pm Room B316

Technology Transfer/Licensing

Academia and Industry Going for the Gold

4:00 pm – 5:30 pm *Room B309*
Vaccines
Blockbusters Aren't Dead. They're Just Called Vaccines

THURSDAY, MAY 21

8:00 am – 9:30 am *Room B315*
Achieving Regulatory Approval
EMEA/FDA Town Hall

8:00 am – 9:30 am *Room B313*
Business Development
**Effectively Managing Multiple Deals
 Across a Technology Platform**

8:00 am – 9:30 am *Room B311*
Roundtable/Workshop
Clinical Research/Clinical Trials
**Competing Clinical Trials: When Patients
 Have a Choice, How Do They Decide?**

8:00 am – 9:30 am *Room B302*
Drug Delivery
**Transdermal Delivery of Proteins, Vaccines
 and DNA: From Concept to Reality**

8:00 am – 9:30 am *Room B304*
Exciting Science 2009
**The 'Hottest' New Mechanisms of Action
 (MOAs) in Cancer**

8:00 am – 9:30 am *Room B314*
Finance
**Darwinism Comes to Strategic Finance:
 Evolving Business Models and Implications
 for Biotech & Pharma**

8:00 am – 9:30 am *Room B305*
Food and Agriculture
The Bio-based Economy Is Now

8:00 am – 9:30 am *Room B312*
Global Biotechnology Issues
Private Companies Tackling Public Health

8:00 am – 9:30 am *Room B306*
Growing the Biotech Workforce
Forging Scientists for the Future of Biotech

8:00 am – 9:30 am *Room B305*
Industrial and Environmental
The Bio-based Economy Is Now

8:00 am – 9:30 am *Room B303*
Legal Issues
**The Unique Role of In-House Pharma/Biotech
 Lawyers: Legal and Ethical Risks**

continued

THURSDAY, MAY 21

8:00 am – 9:30 am *Room B316*

Technology Transfer/Licensing

BioMS/Eli Lilly – Dissecting a Billion Dollar Collaboration

8:00 am – 9:30 am *Room B309*

Vaccines

Breaking Tolerance to Boost Vaccine Efficacy

10:00 am – 11:30 am *Room B313*

Business Development

Business Model Conundrum: Focus on One Single Therapeutic Area, or Multiple Areas?

10:00 am – 11:30 am *Room B405*

Clinical Research/Clinical Trials

Clinical Trials for Novel Therapeutics: Challenges and Opportunities of Uncharted Waters

10:00 am – 11:30 am *Room B302*

Drug Delivery

Challenges and Advances in Successful Delivery of Nucleic Acid-based Drugs

10:00 am – 11:30 am *Room B304*

Exciting Science 2009

The New Frontier of Vaccines for Autoimmune Diseases – Development of Novel Tolerance-Inducing Immunotherapeutics

10:00 am – 11:30 am *Room B314*

Finance

Specialty Pharma Play – Are We Near the End?

10:00 am – 11:30 am *Room B310*

Food and Agriculture

Plant Science Technologies: “Recent Advances That Will Change Our World”

10:00 am – 11:30 am *Room B312*

Global Biotechnology Issues

Challenges and Opportunities for Engaging in Global Health Product Development

10:00 am – 11:30 am *Room B305*

Industrial and Environmental

Science for Better Food: Pharma R&D Approaches in Functional Ingredients

10:00 am – 11:30 am *Room B316*

Technology Transfer/Licensing

Early Stage Investment Strategies: If Not Us, Who? If Not Now, When?

10:00 am – 11:30 am *Room B309*

Vaccines

HIV/AIDS Vaccines, Preventative and Therapeutic Approaches to a Global Pandemic

- 2:00 pm – 3:30 pm *Room B313*
Business Development
Different Type of Partnerships Which Compose PDPs for Improved Global Health
- 2:00 pm – 3:30 pm *Room B405*
Clinical Research/Clinical Trials
An Asia-First Strategy for Clinical Development of Therapeutic Drugs
- 2:00 pm – 3:30 pm *Room B304*
Exciting Science 2009
Fulfilling the Promise of Regenerative Medicine
- 2:00 pm – 3:30 pm *Room B311*
Roundtable/Workshop
Finance
Financing the Southeast Biotech Sector
- 2:00 pm – 3:30 pm *Room B310*
Food and Agriculture
Environment, Economy and Society: Plant Biotechnology's Role in Advancing Sustainable Development
- 2:00 pm – 3:30 pm *Room B312*
Global Biotechnology Issues
The Struggle to Maintain Global Market Access for Innovative Biologic Products: Strategic, Economic and Product Security Perspectives
- 2:00 pm – 3:30 pm *Room B305*
Industrial and Environmental
From Field to Wheels: What's Going to Work in Biofuels?
- 2:00 pm – 3:30 pm *Room B316*
Technology Transfer/Licensing
Crossing Borders and Barriers to Health Care in Developing Countries
- 4:00 pm – 5:30 pm *Room B311*
Roundtable/Workshop
Clinical Research/Clinical Trials
Navigating the New Registry Requirements: Implications for Industry
- 4:00 pm – 5:30 pm *Room B310*
Food and Agriculture
Legal and Regulatory Threats to Agricultural Biotechnology in the US
- 4:00 pm – 5:30 pm *Room B316*
Technology Transfer/Licensing
Anti-Biopiracy Restrictions on Patenting and Use of Genetic Resources



Partnering

Building A, Level 1, Hall A1
Georgia World Congress Center

*See the pull-out map at the back of this guide for partnering booth locations.

Partnering Hours

Monday, May 18, 10:00 am – 5:00 pm

Tuesday, May 19, 8:00 am – 5:00 pm

Wednesday, May 20, 8:00 am – 5:00 pm

Thursday, May 21, 8:00 am – 12:00 pm

Please note: Business Forum Partnering Desk Opens at 7:00 am on Monday and Tuesday and at 7:30 am on Wednesday and Thursday.

Join us for a wine and cheese reception in the Business Forum, Wednesday, 5:00 pm – 6:00 pm.

Company Presentations

Georgia World Congress Center
Building A, Level 3
Rooms A311 – A316

Tuesday, May 19
9:00 am – 11:15 am
2:00 pm – 5:00 pm

Wednesday, May 20
9:00 am – 11:15 am
2:00 pm – 5:00 pm

Presentation Rooms *Sponsored by:*
The North Carolina Department of Commerce

More than 180 company presentations showcase innovations that are healing, fueling and feeding the world. Choose the 15-minute presentations you want to attend and gain a quick insight into companies of interest. Presentations are open to all registered attendees with Full Convention Access or Session Access. The presentations are in Building A, Level 3, a short escalator ride up from the main Business Forum area. View a list of Company Presentations on the pull-out map at the back of this guide, or visit Building A, Level 3 or **convention.bio.org/businessforum**.



Bio[®] Business Forum

Partnering for Growth

The BIO Business Forum provides powerful and efficient partnering tools in our new One-on-One Partnering system to help you connect with other

industry leaders and form the business relationships that lead to new investments and innovations.

The system features customized tools that enable attendees to promote their companies and licensing opportunities, conduct detailed searches to identify prospective partners, and communicate with parties of interest to pre-schedule private 30-minute meetings in rooms onsite. Food and beverages are provided in the BIO Business Forum area. Only registered attendees who added partnering to their registration can access the One-on-One Partnering System.

BIO Business Forum Sponsors include:

Abbott	Merck & Co., Inc.
Amgen	Novo Nordisk Inc.
AstraZeneca	Nycomed
Baxter International Inc.	OSI Pharmaceuticals Inc.
BioGeorgia	Pfizer Inc.
BIOTECanada	Roche
Campbell Alliance	sanofi-aventis
Daiichi Sankyo	sanofi pasteur
Eli Lilly and Company	Schering-Plough
EMD Serono, Inc.	Sciele Pharma, Inc.
Forest Laboratories, Inc.	Shionogi & Co., Ltd.
Genentech	Solvay
GlaxoSmithKline	Takeda Pharmaceutical Company
Invest in Canada	The North Carolina Department of Commerce
Johnson & Johnson	Wyeth
MedImmune	

Leadership Summit on Food & Fuel Sustainability:

Meeting Tomorrow's Food and Fuel Needs

Monday, May 18, 1:00 pm – 5:00 pm

Room B406, Building B, Level 4

Sponsored by: Bayer CropScience, BioEnergy International, LLC, Dow AgroSciences LLC, DuPont, and Monsanto Company

Sustainability has become more than a buzz word — it is increasingly the benchmark by which consumers, investors and governments evaluate products and technologies. The twin challenges of population growth and global climate change require truly sustainable solutions to increasing demands for food and fuel. This summit considers the unique challenges of sustainability in the 21st century and the tools and solutions that modern biotechnology has to offer.

Open to Daily Full Convention Access, Full Convention Access or Session Access registrants.

Free Wi-Fi

Throughout the Georgia World Congress Center*

Sponsored by: Solvay

You won't miss a beat. You'll get the speed you need to quickly and easily check your e-mail, and download files, while at the Georgia World Congress Center.

*with the exception of the Keynote Luncheons and BIO Exhibition Hall.

Program Agenda

- 12:30 pm – 1:00 pm **Check-in**
- 1:00 pm – 1:30 pm **Welcoming Remarks**
 Roger E. Wyse, Managing Director,
 Burrill & Company
- 1:30 pm – 2:00 pm **Why Sustainability is Fundamental to Business Development**
Andrew Young, Jr., Former U.S. Ambassador, United Nations
Introduced and moderated by:
Jerry Steiner, Executive Vice President, Monsanto Company
- 2:00 pm – 3:15 pm **Challenges and Solutions for Sustainability in the 21st Century**
Bill Caesar, Principal, McKinsey & Company
Ignacio Gavilan, Sustainability Strategy Manager, BP Biofuels UK Ltd
Introduced and moderated by:
Cenan Ozmeral, Senior Vice President and General Manager, Specialty Chemicals, BioEnergy International, LLC
- 3:15 pm – 3:30 pm **Break**
- 3:30 pm – 4:45 pm **Agricultural Production: Meeting the Sustainability Challenge**
Ernesto Brovelli, PhD, Senior Manager, Sustainable Agriculture Environment & Water Resources, The Coca Cola Company
John Pierce, Vice President, Technology, DuPont Applied BioSciences
Rodney Snyder, Director, Public Policy, National Corn Growers Association
Introduced and moderated by:
Joachim Schneider, Head, BioScience Business Unit, Bayer CropScience Lyon, France
- 4:45 pm – 5:00 pm **Closing Remarks**

Biotechnology Entrepreneurship Boot Camp

Sunday, May 17, 7:30 am – 7:30 pm
and **Monday, May 18**, 7:45 am – 6:00 pm

Georgia World Congress Center

Rooms B310 & B311, Building B, Level 3

Sponsored by: Pepper Hamilton LLP

SUNDAY, MAY 17

7:30 am – 8:00 am **Breakfast and Check-in**

8:00 am – 8:15 am **Opening Remarks by Boot Camp Co-Chair**

National and Local Co-Chair:

Arthur Boni, PhD, John R. Thorne Chair of Entrepreneurship, Tepper School of Business and Director, Donald H. Jones Center for Entrepreneurship, Carnegie Mellon University

Overview of Program and Welcome

Jeffrey Libson, Partner, Pepper Hamilton LLP and Lecturer, Wharton School

Frank R. Hunt, MS, MBA, President, SE bioStrategies, Inc & Chief Executive Officer, PND Therapeutics, Inc.

8:15 am – 9:15 am **Keynote Address**

David U'Prichard, President & Chief Executive Officer, Druid Consulting, LLC, Venture Partner, Red Abbey Ventures, Former Chairman, Research & Development, GlaxoSmithKline

Introduction by: **Stephen M.**

Sammut, National Co-Chair, Venture Partner, Burrill & Company, Senior Fellow, Wharton School

9:15 am – 10:30 am **Project, Product or Company: Assessment and Qualification of Technologies as a Basis for a Business Startup**

Moderator and Lecturer:

Arthur Boni, PhD, John R. Thorne Chair of Entrepreneurship, Tepper School of Business, Director, Donald H. Jones Center for Entrepreneurship Carnegie Mellon University

Faculty:

Dennis C. Schafer, President, Life Science Management

Todd Sherer, PhD, Assistant Vice President, Research, Director, Office of Technology Transfer, Emory University

Scientists presenting an opportunity for analysis:

Michael G. Natchus, PhD, Director, Chemistry, Emory Institute for Drug Discovery, Emory University

Donald G. Stein, PhD, Asa G. Candler Professor, Department of Emergency Medicine and Brain Research Laboratory, Emory University School of Medicine

10:30 am – 11:30 am **Break-out with Refreshment for Case Discussion Followed by Group Recommendations**

11:30 am – 12:00 pm **Biotechnology Business Models**

Faculty:

Stephen M. Sammut, National Co-Chair, Venture Partner, Burrill & Company, Senior Fellow, Wharton School

12:00 pm – 1:00 pm **Lunch**

1:00 pm – 3:00 pm **What Every Investigator Must Know about IP in Biotechnology Startups**

Moderator:

Stephen M. Sammut, National Co-Chair, Venture Partner, Burrill & Company, Senior Fellow, Wharton School

Faculty:

Kathryn Doyle, PhD, JD Partner, Drinker Biddle, LLP

Raymond A. Miller, JD Partner, Pepper Hamilton LLP

3:00 pm – 3:15 pm **Break**

3:15 pm – 5:00 pm **Regulatory Planning and the Implications for Strategy and Financing**

Moderator:

Jeffrey Libson, Partner, Pepper Hamilton LLP and Lecturer, Wharton School

Faculty:

James G. Kenimer, PhD, President & Chief Executive Officer, Biologics Consulting Group, Inc

Bruce F. Mackler, PhD, JD Regulatory Consultant

5:00 pm – 5:10 pm **Brief Break**

5:10 pm – 6:30 pm **Building an Entrepreneurial Management Team**

Lecturer and Moderator:

Arthur Boni, PhD, John R. Thorne Chair of Entrepreneurship, Tepper School of Business, Director, Donald H. Jones Center for Entrepreneurship, Carnegie Mellon University

Faculty:

Ken Gossett, DVM, PhD, MBA, Partner, SR One, Ltd. (the venture fund of GlaxoSmithKline)

Steven Hall, PhD, Venture Partner, Lilly Ventures

Jane Hollingsworth, Chief Executive Officer, NuPathe

6:30 pm – 7:30 pm **Reception** (Room B311)

MONDAY, MAY 18

7:45 am – 8:15 am **Breakfast and Registration**

8:15 am – 9:15 am **The Business Plan and Pitch Book in the Fund Raising Process**

Moderator and Lecturer:

Arthur Boni, PhD, John R. Thorne Chair of Entrepreneurship, Tepper School of Business, Director, Donald H. Jones Center for Entrepreneurship, Carnegie Mellon University

Faculty:

Brian K. Adams, PhD, Director, Business Development, Sciele Pharma, Inc

Benjamin Chen, PhD, Managing Director and Chief Scientific Officer, Merchant Banking Group, Burrill & Company

James Foley, Former Head, Business Development, Bristol-Myers Squibb

Diane Ignor, Director, Scientific Licensing Worldwide Business Development, GlaxoSmithKline

Jeffrey Libson, Partner, Pepper Hamilton LLP, Lecturer, Wharton School

Presenting Company:

Eric Stoer, Chief Executive Officer FASgen, Inc.

9:15 am – 10:30 am **Combined Break with Small Group Discussion**

10:30 am – 12:15 pm **Licensing, Partnering, Strategic Alliances and University Relationships**

Moderator:

Stephen M. Sammut, National Co-Chair, Venture Partner, Burrill & Company, Senior Fellow, Wharton School

Faculty:

Benjamin Chen, PhD, Managing Director and Chief Scientific Officer, Merchant Banking Group, Burrill & Company

James Foley, Former Head of Business Development, Bristol-Myers Squibb

Jeffrey Libson, Partner, Pepper Hamilton LLP and Lecturer, Wharton School

Todd Sherer, PhD, Assistant Vice President, Research Director, Office of Technology Transfer, Emory University

12:30 pm – 1:45 pm **Lunch**

1:45 pm – 2:45 pm **Local Company to Pitch to VCs**

Moderator:

Frank Hunt, President, SE bioStrategies, Inc

Presenting Company:

Joseph Bagan, Chief Executive Officer, Sharklet Technologies, Inc

Faculty:

Gerry Bruck, Managing Director, Lumira Capital

Karl Handelsman, Partner, CMEA Ventures

Elaine V. Jones, PhD, Executive Director, Venture Capital Worldwide Business Development, Pfizer, Inc

John Richard, PhD, MBA, Partner, Georgia Venture Partners

2:45 pm – 3:45 pm **Combined Break with Small Group Discussion**

3:45 pm – 5:30 pm **Capitalization of the Venture**

Moderator:

Arthur Boni, PhD, John R. Thorne Chair of Entrepreneurship, Tepper School of Business, Director, Donald H. Jones Center for Entrepreneurship, Carnegie Mellon University

Faculty:

Christopher Miller, Partner, Pepper Hamilton LLP

James Rosen, Partner, Intersouth Partners

Stephen M. Sammut, Venture Partner, Burrill & Company, Senior Fellow, Wharton School

5:30 pm – 6:00 pm **Boot Camp Wrap-Up, Acknowledgements and Adjournment**

FREE TO ATTEND



Fulfilling the Promise: Diversity in Biotechnology

Monday, May 18, 8:30 am – 5:00 pm

International Ballroom, North Tower

Omni Hotel at CNN Center

100 CNN Center

We know your time is valuable. Our FREE day-long summit is well worth your time investment.

If you are a thought leader on workforce, science education or health disparities in diverse communities, you cannot miss this summit! Gain from vital discussions on the topic “Fulfilling the Promise: Diversity in Biotechnology.”

Please join us for a thought-provoking day in which experts share insights on the significance of biotechnology and a diverse workforce. Important topics include:

- **The Business Case for Diversity in the Biotechnology Industry**
- **Economic and Workforce Development**
- **Health Disparities and Community Outreach**
- **Education and Access**
- **Awareness on the Future of Technology**
- **Legislative Roundtable of State and Federal Initiatives**

Program Agenda

8:30 am – 9:15 am

Registration and Plenary Breakfast

- Atlanta Mayor **Shirley Franklin**

9:15 am – 10:30 am

Panel: Economic and Workforce Development

- **Dr. Michael L. Penn, Jr.**, Genentech
- **Dr. Ted Love**, Former CEO of Nuvelo
- **Dr. Elizabeth Mutisya**, Solvay
- **Mitch Horowitz**, Battelle
- **Patricia Pearman**, GE Healthcare

10:30 am – 10:45 am – **Break**

10:45 am – 12:00 pm

Legislative Roundtable: Federal and State Initiatives

- U.S. Delegate **Donna Christensen** (VI)
- U.S. Senator **Johnny Isakson** (GA)
- Washington State Representative **John McCoy**
- Hawaiian State Representative **Karen Leinani Awana**

12:00 pm – 12:15 pm – **Break**

12:15 pm – 2:00 pm – **Keynote Lunch**

- **Governor Luis Fortuño**, Commonwealth of Puerto Rico
- **The Honorable Louis Sullivan**, Former Secretary, U.S. Department of Health and Human Services

2:00 pm – 2:15 pm – **Break**

2:15 pm – 3:30 pm

Panel: Health Disparities, Community Outreach

- **Dr. Carolyn Britton**, National Medical Association
- **Dr. Christopher Hillyer**, Emory University
- **Ysabel Duron**, Latinas Contra Cancer
- **Dr. Walter W. Williams**, Centers for Disease Control and Prevention
- **Rev. Anthony Evans**, National Black Church Initiative

3:30 pm – 3:45 pm – **Break**

3:45 pm – 4:45 pm

Town Hall Meeting: Education, Access & Awareness: Future of Technology

- **Dr. Millard J. Collier**, The Vital Healthcare Group
- **Dr. Otis Brawley**, American Cancer Society
- **Dr. Eve Higginbotham**, Morehouse School of Medicine
- **Dr. Alfonso Alanis**, Anaclim
- **Elijah Alexander**, Tackle Myeloma Foundation

4:45 pm – 5:00 pm – **Closing Remarks**

5:00 pm – 6:00 pm – **Reception**

Address Your Global Business Needs at BIO

The convention has a host of programs, services and networking activities to enhance our international attendees' experience on site. Services include an **International Lounge** where they can enjoy a quiet, out-of-the-way place to hold informal discussions, check e-mail, browse the Internet or simply take a break.

Wednesday, May 20, 2009 Is International Day

On Wednesday, you will find concentrated international programming, networking and idea exchange in a variety of venues, including:

- **Scientific American Worldview: A Global Biotechnology Perspective**, 3:30 pm – 4:30 pm
Thomas B. Murphy Ballroom 1, Building B, Level 5
- **International Reception**, 4:30 pm – 6:00 pm
Thomas B. Murphy Galleria, Building B, Level 5
Sponsored by: Alexandria Real Estate Equities, Inc.
- **International Research and Development Presentations (across all four days)**
Room B308, Building B, Level 4
Sponsored by: Amgen

Scientific American Worldview: A Global Biotechnology Perspective

Wednesday, May 20, 3:30 pm – 4:30 pm
Thomas B. Murphy Ballroom 1, Building B, Level 5

Join editorial staff from *Scientific American* and other industry leaders for a lively roundtable discussion on the state of biotech hubs around the globe and to discuss results of the study highlighting key developments.

International Reception

Wednesday, May 20, 4:30 pm – 6:00 pm
Thomas B. Murphy Galleria, Level 5
Sponsored by: Alexandria Real Estate Equities, Inc.
Open to all registrants.



International Research and Development Presentations

Monday, May 18 – Thursday, May 21

All presentations are in room B308

Building B, Level 3

Sponsored by: Amgen

See pull-out map for International Research and Development Presentation titles and locations.

We Bring the World to You

Join a delegation — Showcase your country's national and regional biotechnology assets. Assist local companies in making qualified contacts with other companies and organizations from the United States and around the world and attract investment to your country.

For more information on how to contact a delegation organizer or for more information on how to organize a delegation, visit **convention.bio.org/international**.

International Country Profiles

See page 112 of the final program or CD-ROM for detailed profiles collected from international delegation organizers.

International Lounge

Building B, Level 2, Room B216

Monday – Thursday, 7:00 am – 5:00 pm

Open to all international attendees with any registration badge.

Translations

Visit **convention.bio.org/international** for translations of important convention information and documents. Visit RussTech in booth #1643.



CAN'T-MISS EVENING EVENTS

Welcome Reception*



Sponsored by:



Monday, May 18, 7:15 pm – 9:00 pm

Centennial Olympic Park
265 Park Avenue West, NW

You'll have a blast when The B-52s perform.

Gala Reception*



Sponsored by:



Wednesday, May 20, 7:45 pm – 9:30 pm

Georgia Aquarium
225 Baker Street

Closing Reception*



Sponsored by:



Thursday, May 21, 6:30 pm – 9:30 pm

The Tabernacle
152 Luckie St., NW

* You must have a Full Convention Access badge in order to attend the Welcome, Gala and Closing Receptions. If you do not have a badge indicating Full Convention, you may purchase a ticket at BIO International Convention Registration: \$185.00 for the Welcome and Gala; \$75.00 for the Closing. Tickets will not be available for sale at the venues.

Open Night

Tuesday, May 19

Visit the Restaurant Information Center in the main lobby near registration.

BIO Exhibitor Hospitality Receptions

Tuesday, May 19, 5:00 pm – 6:30 pm

BIO Exhibition, Hall B

Georgia World Congress Center

See a full list of receptions on page 57.



Receptions

BIO IP Counsels Reception

Monday, May 18, 5:30 pm – 7:00 pm

Omni Hotel, Grand Ballroom E

International Attendee Reception

Wednesday, May 20, 4:30 pm – 6:00 pm

Thomas B. Murphy Galleria, Building B, Level 5

Sponsored by: Alexandria Real Estate Equities, Inc.

BIO Business Forum

Wine & Cheese Reception

Wednesday, May 20, 5:00 pm – 6:00 pm

Hall A1, Building A, Level 1

Sponsored by: BioGeorgia

(by invitation; for BIO Business Forum Participants)

Global Food & Agriculture Reception

(by invitation only)

Wednesday, May 20, 6:00 pm – 7:30 pm

CNN Center Atrium

One CNN Center

Sponsored by: Bayer CropScience, DuPont, Elanco Animal Health, Monsanto Company, SUTHERLAND

SPECIAL EVENTS

BIO Golf Outing

Sunday, May 17, 8:30 am – 5:00 pm
Stone Mountain Golf Club

Hosted by: BioGeorgia and Novo Nordisk

Bring your clubs to Atlanta! Join the biotech community for hours of professional camaraderie on a “rock solid” golf course. This picturesque day is specifically designed to provide you with unique networking opportunities in a relaxed, fun atmosphere. After your round, treat yourself to a seated massage and drinks in the clubhouse. Shuttles pick up participants at BIO Hotels. See the information desk for more details.



Centers for Disease Control and Prevention (CDC) Private Tour

Monday, May 18, 11:30 am – 4:30 pm



Space was limited to the first 400 people. RSVP closed April 15, 2009. BIO registrants have the opportunity to attend a free event hosted by the CDC at their Atlanta campus on Learn how to partner with federal scientists in the discovery, development and delivery of innovative global health products, and enjoy tours of the CDC's Global Communications Center.

SOLD OUT!

BIO Executive Presentation Workshop

Sunday, May 17, 8:30 am – 4:45 pm
Room A314, Building A, Level 3

Taking the Pulse of Bioscience Education in America: A State-by-State Analysis

Monday, May 18, 2:00 pm – 3:30 pm

Room B306, Building B, Level 3

Speakers:

Paul Hanle, President, Biotechnology Institute

Mitch Horowitz, Vice President, Battelle
Technology Practice

James Hunt, Former Governor of North Carolina

Thomas Wiggins, CEO, Peplin, Inc

Time for Action: A Prescription for Health-Care Reform

Wednesday, May 20, 10:00 am – 11:30 am

Room B408, Building B, Level 4

Chair:

James C. Greenwood, President & CEO,
Biotechnology Industry Organization

Speakers:

John Seffrin, PhD, CEO, American Cancer Society
& American Cancer Society Action Network

Mark Ganz, President & CEO, Regence BlueCross
BlueShield

Patrice Harris, MD, American Medical Association

BIO Lounges

Executive Lounge *(by invitation only)*

Sponsored by: Alston & Bird LLP

Building A, Level 3, Room A307

Exhibitor Lounge

BIO Exhibition, Booth #4661

Open to all exhibitor booth personnel

International Lounge

Building B, Level 2, Room B216

Open to all international attendees with any registration badge

Sponsor Lounge

A/B Connector

Building B, Level 1

Open to all sponsor attendees with proper identification

Volunteer Lounge

Sponsored by: Solvay

Building B, Level 2, Room B202

Open to all our generous volunteers in the red shirts who graciously donated their time to help us with our event.

POWER NETWORKING EVENTS*

FREE

Tuesday Think & Drink

**Topic: Industry Is from Mars,
Academia Is from Venus**

Tuesday, May 19, 5:00 pm – 6:30 pm

East Plaza Entrance, Building A, Level 4

Sponsored by: SUTHERLAND

Organized by: Nature Biotechnology

Open to all registrants — Join us for a drink!

FREE

Wednesday Think & Drink

Wednesday, May 20, 5:00 pm – 6:30 pm

East Plaza Entrance, Building A, Level 4

Open to all registrants — Join us for a drink!



Consulting Connections

Tuesday, May 19 – Wednesday, May 20

While you are at BIO, tap your resources. We have business consultants within the BIO Exhibition – executive coaches and recruiters who can meet with you privately. Visit myBIO and search “consultants” or visit the consultant list here <http://tinyurl.com/consulting-bio>. Check the BIO Concierge desk for more information.

FREE

Strategic Job Searching: Recession Proof Your Career

Monday May 18, 12:00 pm – 1:30 pm

Room A404, Building A, Level 4

Presentation and Panel Discussion including:

Illumina, Monsanto Company, Novartis

Biologics, Novo Nordisk, and Regeneron

Pharmaceuticals, Inc.

Despite the current economic climate, employment opportunities within the biotech field do exist for job seekers. This session will focus on how to conduct a strategic job search that leverages both your skills and your network to achieve your career goals. Attendees will also receive “inside” information from Biotech HR managers on hand to tell you what they are looking for in the backgrounds of potential applicants.

FREE

Global Insights from Executive Recruiters

Tuesday, May, 2:30 pm – 4:00 pm

Thomas B. Murphy Ballroom 1, Building B, Level 5

Invest in your career — Join us for 90 minutes of insights from top executive recruiters as they share trends, opportunities and career advice. We will have plenty of time for Q&A afterwards and also speed networking for those who wish to stay.

Executive Recruiters include: Skott Burkland, RSA Americas; Megan Driscoll, Pharmacologics Recruiting; Marcia Champagne, Tyler & Company

FREE

Colleague-to-Colleague Speed Networking

Tuesday, May 19, 4:00 pm – 5:00 pm

Thomas B. Murphy Ballroom 1, Building B, Level 5

Bring a stack of business cards for an easy speed networking event to make valuable contacts.

FREE

Resume Coaching

Monday, May 18 – Thursday, May 21, 11:00 am

Building A, Level 3, East Plaza Entrance

If you are interested in a resume review, please stop by. If you need an alternative time, please e-mail mchampagne@tylerandco.com.

Provided by: Marcia Champagne, Tyler & Company

FREE

Women in BIO Speed Networking

Speed Networking will take place behind the WIB Booth #6041 at the following times. Join one, two – or both – networking events!



WOMEN IN BIO

Wednesday, May 20, 3:30 – 4:30 pm

Thursday, May 21, 10:00 – 11:00 am

FREE

WIB Lounge

BIO Exhibition, Booth #6041

Coffee and networking with women from across the globe.

WIB Book Club Books in the BIO Store

WIB's books about business are available.

WIB Reception at BIO @ Peasant Bistro

Monday May 18, 4:30pm – 6:30 pm

Network with other ladies in the industry
Visit www.womeninbio.org if you wish to attend.

* FREE with any BIO badge

BIO Human Resources Conference 2009

May 17 – 19, Sunday – Tuesday

Atlanta Marriott Marquis

bio.org/hr

BIOPARKS 2009: The Infrastructure of Innovation

May 15 – 16, Friday – Saturday, 9:00 am – 5:00 pm

Westin Peachtree Plaza



Licensing Executives Society
(U.S.A. and Canada), Inc.

BIO-LES Advanced Business Development Course

May 15 – 17, Friday – Sunday, 7:30 am – 5:30 pm

Sheraton Atlanta Hotel

BIO-LES Business Development Basics Course

May 15 – 17, Friday – Sunday, 7:30 am – 5:30 pm

Sheraton Atlanta Hotel



**Life
Sciences**

an **informa** business

Technology Transfer in Biopharmaceutical Development

Monday, May 18 – Tuesday, May 19, 9:00 am – 5:30 pm

Rooms A406 – A410, Building A, Level 4

Georgia World Congress Center

An additional fee is required to attend. For more information please visit www.IBCLifeSciences.com/courses.



biBiotechnology INSTITUTE

Conference on Biotechnology Education and Banquet

May 15 – 19, Friday – Tuesday, 8:00 am – 5:00pm
Georgia Tech

Sixth Annual Community College Program on ‘Biotechnology Technician Education and Training to Support the Bioeconomy’

Sunday, May 17, 8:00 am – 5:00pm
Omni Hotel at CNN Center

biotechPrimer Industry Knowledge Delivered

Biobriefing: Biotechnology for the Non-Science Professional

Sunday, May 17, 8:30 am – 4:30 pm
Omni Hotel at CNN Center

Monday, May 18, 10:00 am – 12:00 pm
Room B308, Building B, Level 3

Space is limited. An additional fee is required to attend.
For more information, visit www.biotechprimerinc.com.

sanofi-aventis International **BioGENEius Challenge**

A Biotechnology Institute initiative
in collaboration with sanofi-aventis and sanofi pasteur

sanofi-aventis International BioGENEius Challenge

Monday, May 18, 8:45 am – 5:30 pm
Tuesday, May 19, 9:00 am – 3:00 pm

Georgia World Congress Center
Level 3 Concourse, Building A, Level 3
Sponsored by: sanofi-aventis and sanofi pasteur

BIO Exhibition

More than 2,000 companies await you!

Official Exhibition Hours

Tuesday, May 19, 10:15 am – 6:30 pm

Ribbon Cutting Ceremony: 10:00 am

Level 2 Concourse, Building B, Level 2

Sponsored by: Solvay

Exhibition: 10:15 am – 5:00 pm

Exhibition Hospitality Receptions: 5:00 pm – 6:30 pm

Wednesday, May 20, 10:00 am – 5:30 pm

Thursday, May 21, 10:00 am – 3:30 pm

2009 Pavilions

U.S. Regional/State Pavilions

Arizona	Kentucky	Pennsylvania
California	Louisiana	Prince William
Colorado	Maryland	South Carolina
Connecticut	Massachusetts	South Dakota
Florida	Michigan	Tennessee
Georgia	Minnesota	Texas
Hawaii	Missouri	Utah
Illinois	New Jersey	Wisconsin
Indiana	North Carolina	
Kansas	Oklahoma	

International/Regional/Country Pavilions

Alberta –	EBD Group	Netherlands
Canada	Europe	New Zealand
Andalucia –	France	Northern Ireland
Spain	Germany	Ontario –
Argentina	Hong Kong	Canada
Atlantic –	Hungary	Poland
Canada	India	Puerto Rico
Australia	Ireland	Quebec –
Austria	Israel	Canada
Basque – Spain	Italy	Queensland
Belgium	Japan	Scandinavia
Brazil	Korea	Scotland
Canada	Madrid – Spain	South Africa
Catalonia –	Malaysia	Switzerland
Spain	Manitoba –	Taiwan
Chile	Canada	Thailand
China	Mexico	United Kingdom
Czech Republic		

Product Focus Zones



See full list of Product Focus Zones on page 84.

Emerging Technologies Area

Georgia World Congress Center
 BIO Exhibition, Hall B4

You can say you were the first to find the hottest innovators! Learn about the freshest ideas from entrepreneurs and start-up companies that you can find only at the BIO Exhibition. Emerging companies are listed in the exhibitor list under “E” beginning on the next page.

BIO Exhibitor Hospitality Receptions

Tuesday, May 19, 5:00 pm – 6:30 pm

BIO Exhibition, Hall B

Georgia World Congress Center

See fold-out maps at the back of this guide for locations.

Networking, tasting, dancing, mingling and more!
 Attendees will be treated to a trip around the world courtesy of the 2009 BIO Exhibitors and Sponsors.

As of April 24, 2009

AMRI	Booth 3213
Argentina Pavilion	Booth 1023
Austria Pavilion	Booth 3641
Avid Bioservices, Inc.	Booth 5801
Bio Nebraska.....	Booth 3247
Bird & Bird LLP.....	Booth 1817
Brazil Pavilion.....	Booth 4433-4533
California Pavilion	Booth 4033
China Pavilion	Booth 3933
Czech Republic Pavilion.....	Booth 1305
EuroBIOMED (France Pavilion)	Booth 2156
Hawaii Pavilion.....	Booth 1223
Holland Pavilion	Booth 4649
Hungary Pavilion	Booth 4955
India Pavilion	Booths 2933-3243
Italian Pavilion	Booths 4301- 4302
Karolinska Development	Booth 5901
Korea Pavilion	Booth 4833
Louisiana Pavilion	Booth 4321
Lyon Chamber of Commerce (France Pavilion)	Booth 1933
Massachusetts Pavilion.....	Booth 2803
MedTrack.....	Booth 5235
Minnesota Pavilion	Booth 3719
Michigan Pavilion.....	Booth 3147
New Jersey Pavilion.....	Booth 4944
Northern Ireland Pavilion.....	Booth 3433
Novo Nordisk Pavilion	Booth 2521
Poland Pavilion	Booth 4415
Puerto Rico Pavilion	Booth 4215
South Africa Pavilion	Booth 4455
Swiss Pavilion	Booth 2347
Taiwan Pavilion.....	Booth 2833
Tennessee Pavilion	Booth 3113
Thailand Pavilion.....	Booth 4505
UBI France (France Pavilion).....	Booth 1851
UK Pavilion	Booth 3333

Company Name	Booth Number
A	
AAALAC International	4348
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BIO Patient & Health Advocacy Display

BIO Exhibition, Hall B2 and B3

GROUP 1: T1 – T28

Tuesday, May 19, 10:30 am – 5:00 pm

Reception to follow

GROUP 2: W1 – W28

Wednesday, May 20, 10:00 am – 5:00 pm

and Thursday, May 21, 10:00 am – 3:00 pm

Georgia World Congress Center

Sponsored by: Amgen, Genentech, Human Genome Sciences, Inc., Vertex Pharmaceuticals Incorporated and Wyeth

Meet Medical Champions and the Faces of Biotechnology

Learn about the many patient and medical advocacy groups ready to partner with you to work towards important breakthroughs and cures. At the BIO Patient & Health Advocacy Display, representatives from national and international patient and medical advocacy groups will be on hand to provide information about their work. You will have the opportunity to:

- Identify leading organizations and foundations with reach and expertise in specific disease areas.
- Develop ongoing relationships for clinical trial participation and recruitment.
- Utilize expertise for principal investigator network.
- Reach the ultimate beneficiaries of your products — the patients — as well as the medical specialists who treat and care for them.
- Pinpoint unique funding mechanisms to further advance joint missions and goals.



Patient & Health Advocacy Companies

(As of April 24, 2009)

AIDS Institute

Alpha 1- Foundation

ALS Therapy Development Institute (ALS TDI)

Alzheimer's Drug Discovery Foundation

American Autoimmune Related Diseases Association (AARDA)

Americans for Medical Progress

Arthritis Foundation

Association of Community Cancer Centers

Canadian PKU and Allied Disorders Inc.

Celiac Disease Center at Columbia University

Children's Tumor Foundation

European Genetic Alliances Network – EGAN

Fast Forward/National Multiple Sclerosis Society

FasterCures – The Center for Accelerating Medical Solutions

Huntington's Disease Society of America

Interamerican College of Physicians and Surgeons

International Genetic Alliance

International Rett Syndrome Foundation

Juvenile Diabetes Research Foundation International

Kidney Cancer Association

Leukemia & Lymphoma Society

Men's Health Network

Myelodysplastic Syndromes Foundation

Myelin Repair Foundation

National Organization for Rare Disorders (NORD)

National Spinal Cord Injury Association (NSCIA)

Parkinson's Action Network

PDtrials

Prostate Health Education Network, Inc.

RetireSafe/The Senior Center for Health and Security

PRODUCT FOCUS ZONES



We've designed the BIO Exhibition to help you make the connections you need all in one convenient place. Tap into any one of our 10 Product Focus Zones and you'll take away everything you need — theory, practice, application and markets — to make more informed business decisions in the year ahead. Reference the indexes that begin on page 133 in the Final Program and Buyers' Guide or CD-ROM for exhibitors within each Product Focus Zone.

Bio IT — Hall B2

BioProcess — Hall B4-B5

BioProcess[™]
INTERNATIONAL

NEW
FOR
2009

Business Services — Hall B5

Clinical Trials — Hall B5

GEN Genetic
Engineering
& biotechnology
News

Drug Delivery — Hall B5

Emerging Technologies — Hall B4

NEW
FOR
2009

Industrial & BioFuels — Hall B2

GEN Genetic
Engineering
& biotechnology
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Lab Automation — Hall B2

Molecular Diagnostics — Hall B5

GEN Genetic
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Therapeutics — Hall B5

GEN Genetic
Engineering
& biotechnology
News

Schedule for BioProcess Theater Presentations

Tuesday, May 19 – Thursday, May 21

BIO Exhibition Booth # 2438

TUESDAY, MAY 19, 2009

10:30 am – 10:55 am

New Technology for Rapid Identification of Clones and Early Stage Production

Rocky Cranenburgh, Molecular Genetics Team Leader, Cobra Biomanufacturing Plc

11:00 am – 11:25 am

Increased Development/Selection Criteria for Production Media

Bill Whitford, Manager of Research and Product Development, Thermo Fisher

11:30 am – 11:55 am

Bio-Process Systems Alliance: The Industry Association for Single-use Bioprocessing

Bill Hartzell, Business Development Engineer, Arkema Inc.

12:00 pm – 12:25 pm

Enhancing Eukaryotic Protein Production with Zera Technology

François Arcand, CEO, ERA Biotech

12:30 pm – 12:55 pm

The Next Generation of Microbial Strain Development

Charles H. Squires, Senior R&D Director, Pfenex Biopharmaceuticals

1:00 pm – 1:25 pm

Moving to the Next Level of Manufacturing

Rolf Douwenga, Vice President, Global R&D, DSM Biologics

1:30 pm – 1:55 pm

Maximizing the Benefits of Single-Use Technologies

Paul Chapman, VP, Downstream Processing, Millipore

2:00 pm – 2:25 pm

Case Studies in Biomanufacturing Using Crossflow Chromatography Technology for Simultaneous Clarification and Product Capture

Lisa Crossley, CEO, Natrix Separations

2:30 pm – 2:55 pm

How the Integrated Automation of Patient Specific Cellular Therapies Creates Viable Business Models That Scale Up and Out

Ian Fitzpatrick, Manager, Manufacturing Innovation Team, Invetech

continued

3:00 pm – 3:25 pm

Recovering Proteins from Culture and Lysates: An Improved Scalable Single-Use Modular Approach

Ian Sellick, Director of Marketing, Pall Corporation

Scott W. Anderson, Pall Europe Ltd.

Manfred Muehl, Pall GmbH

3:30 pm – 3:55 pm

The Role of Process Development in Change Control System

Vadim Klyushnichenko, Principal Consultant, Key

Pharma Consulting

4:00 pm – 4:25 pm

Historical Process Optimization: A Case Study in the Optimization of a Historical Flocculation and Capture Process

Terrence R. Cochrane, Director, Project Operations,

QSV Biologics Ltd.

4:30 pm – 4:55 pm

Use of Inline Buffer Dilution and pH Adjustment for cGMP Bioprocessing

Kimo Sanderson, Asahi Kasei TechniKrom, Inc

WEDNESDAY, MAY 20, 2009

10:30 am – 10:55 am

Challenges in Vaccine Production and Rapid Scale-Up to Meet Emerging Pandemic Threats

Susan Jones, PhD, Vice President and Senior

Consultant, BioProcess Technology Consultants

11:00 am – 11:25 am

Managing the Parallel Development of Multiple Unique Biopharmaceuticals

Phil Ball PhD, Technical Director, USA, Eden

Biodesign, Inc.

11:30 am – 11:55 am

Therapeutic Cell Manufacturing: Challenges and Opportunities

Jon A. Rowley, PhD, Director, Cell Therapy R&D,

Lonza Walkersville

12:00 pm – 12:25 pm

Successful Strategies to Reduce the Process Development Critical Path in Supply of First in Man Clinical Trials

Andy Topping, Director of Early Phase Development,

Avecia Biologics

12:30 pm – 12:55 pm

Use of Novel Human DNA Elements to Shorten Development Timelines and Improve Production Economics

Igor Fisch, President and CEO, Selexis SA

1:00 pm – 1:25 pm

Rethinking Efficiency in Drug Production

Peter Rosholm, Vice President, Novozymes

1:30 pm – 1:55 pm**Bench to the Clinic: Using Mammalian Cell Culture Engineering to Shorten Timelines, Reduce Risk and Prepare for Success**

Michael Jenkins, General Manager, Catalent

2:00 pm – 2:25 pm**Development of a Novel Fusion-Molecule Therapeutics for Macular Degeneration**Kirk Dornbush, President and CEO, Iconic Therapeutics
Michiel E. Ultee, VP Process Sciences, Laureate Pharma**2:30 pm – 2:55 pm****Selecting the Right Assays Can Improve Processing Yields and Quality**

Al Correia, Cambridge Biomedical

3:00 pm – 3:25 pm**Scalable, Compact, High Yield, Single-Use Bioreactors**

Jose Costillo, Chairman, Artelis

3:30 pm – 3:55 pm**New Strategies for Optimizing CHO Performance**

Steve Pettit, Director of Cell Culture, InVitria

4:00 pm – 4:25 pm**Quality By Design: Practical Considerations**

Siddharth J. Advant, Ph.D, Principal, Tunnell Consulting

4:30 pm – 5:00 pm**Direct Capture of MAbs As an Alternative to Clarification and Purification for Single-Campaign Operations**

Rob Noel, Business Development Manager, Upfront Chromatography

THURSDAY, MAY 21, 2009**10:30 am – 10:55 am****Process Validation for the 21st Century**

Alex Kanarek, Senior Consultant, BioProcess Technology Consultants

11:00 am – 11:25 am**Designing and Maintaining Operations with Knowledge and Understanding**

Roger Brunkow, Director, Biologics Manufacturing, Cardiome Pharma Corp

11:30 am – 11:55 am**Novel Bioprocessing Technology for Cell Therapy Manufacturing**

Sunil Mehta, Associate Director, Fermentation & Cell Culture, KBI BioPharma Inc.

12:30 pm – 12:55 pm**An Infectious Disease Case Study**

Oren Beske, Director, Aragen

1:00 pm – 1:25 pm**Contaminant Removal from High Titer MAb Processes**

Doug Pagano, North America Process Chromatography Division, Bio-RAD



Genetic
Engineering
& biotechnology
News

Schedule for GEN Theater Presentations

Tuesday, May 19 and Wednesday, May 20
BIO Exhibition Booth # 5924

TUESDAY, MAY 19

10:30 am

Bench to Clinic – Working with a CMO

Stephanie C. Finnegan, Former CEO, Goodwin
Biotechnology, Inc.

Tom Lytle, CEO, Neogenix

11:00 am

Hair Follicle Stem Cells for Nerve and Spinal Cord Repair

Robert M. Hoffman, Ph.D., President & CEO,
AntiCancer, Inc.

11:30 am

A Platform Approach to Preformulation Development for Antibody Products

Tim Kelly, Ph.D, Vice President, Biopharmaceutical
Development, KBI Biopharma, Inc.

1:45 pm

Analytical Considerations During the Development of a Biosimilar mAb

Greg Adams, Ph.D., Diosynth Biotechnology

2:15 pm

Implementation of e-Health Principles in Czech Cancer Care and Research: Unique Opportunities for Biopharmaceutical Industry and Health Care Sector

Marian Hajduch, M.D., Ph.D., Senior Scientist,
Palacky University

2:45 pm

Delivering Biopharmaceutical Facilities in a Risk Based World: The Role of GEP, QbD and E2500

Jeff Odum, Principal Consultant, O'Brien & Gere

3:15 pm

Partnering with a Design/Builder to Develop A Biotech Pilot Plant

Grant Merrill, Director of Project Development,
AES Clean Technology Inc.

Michael Meagher, Ph.D., Professor, University of
Nebraska

3:45 pm**Mechanisms of Particle, Microorganism and Soluble Contaminant Removal**

Ian Sellick, Director of Marketing, Pall Life Sciences

4:15 pm**HESylation – Modification of Biopharmaceuticals for Superior Second-Generation Drugs**Frank Feller, Business Development Manager,
Fresenius Kabi Deutschland GmbH**WEDNESDAY, MAY 20****10:30 am****Drug Discovery and Innovative Technologies: ANAXOMICS' Application of Interaction Networks to Drug Discovery**Judith Farrés, Ph.D., Business Developer,
ANAXOMICS Biotech**11:00 am****Reinventing Plant-based Drug Discovery to Unblock the Pharmaceutical Pipeline**John M. Littleton, MD, Ph.D., Chief Scientific Officer,
Naprogenix, Inc.**11:30 am****Self-assembled Nanoneedles for In Situ Measurement and Manipulation of Soft Biomaterials**

Mehdi M. Yazdanpanah, Ph.D., CEO, NaugaNeedles

12:00 pm**Enhancing Eukaryotic Protein Production With the Technology Zera®**Stefan Schmidt, PhD, MBA, Vice President of
Technology, ERA Biotech S.A**1:00 pm****Addressing Research and Training Challenges in the Bioprocessing Industry**Killian O'Driscoll, Director of Projects, National Institute
of Bioprocessing Research and Training (NIBRT)**1:30 pm****Next Generation Processes – How to Meet the Challenges of the Future?**Jeremy Caudill, Vice President, Sales & Business
Development, DSM Biologics**2:00 pm****From Manufacturing Facility to Patient Treatment – Preventing the Administration of Biopharmaceuticals That May Be Heat Damaged**

Thaddeus Prusik, Ph.D., Senior Vice President, Temptime

continued

2:30 pm

Scale-up and Manufacturing Challenges and Solutions for Biologics in Asia-Pacific

David Hughes, General Manager,
BioPharmaceuticals Australia

3:00 pm

Development of a Recombinant Human Parvovirus B19 Vaccine to Prevent Transient Aplastic Crisis

Daniel Shelly, Ph.D., MBA, Director, Business Development, Meridian Life Science, Inc.

3:30 pm

Back to Nature: Drug Development at the Eskitis Institute

Stuart Newman, Ph.D, Executive Team Business Manager, Eskitis Institute for Cell and Molecular Therapies

4:00 pm

Supporting Biomarker Discovery Using Integrated Bioinformatics

Jeremy Barker, Ph.D., CEO, Queensland Facility for Advanced Bioinformatics

4:30 pm

The Importance of CMO Partnership for Bio-Similar Production: Market Exclusivity

Richard Richieri, Senior Vice President of BioProcess Development and Manufacturing, Avid Biosciences

4:45 pm

Strategic Regulatory Development Planning for Emerging Technology Companies

Gary Pekoe, Ph.D., President and CEO, Arkios BioDevelopment Int'l.

5:00 pm

The Role of Botanical Products as New Infectious Disease Therapies

Sarah Gili, Development Associate, Dalos BioPharma

Be sure to stop by the **GEN booth #5924** after attending the theater to meet with a member of the GEN staff, preview our job Web site and play our Lab Product Matching Game for a chance to win a free video flip camera.

BioPharm International's Live Vidcast & Networking Theater



Tuesday, May 19 and Wednesday, May 20
BIO Exhibition Booth # 2851

TUESDAY, MAY 19

10:00 am

Quality by Design: What We Learned from the Biologics QbD Case Study

Lynne Krummen, PhD, Senior Director, CMC Regulatory Affairs, Genentech, and Michael R. DeFelippis, PhD, Research Fellow, Biopharmaceutical Research and Development, Eli Lilly and Company

Moderated by Laura Bush, Editor in Chief, BioPharm International

Members of the CMC Working Group share the results of the Quality by Design case study for a biopharmaceutical product.

11:00 am

Sourcing & Outsourcing: Supply Chain Integrity in a Post-Heparin World

Susan Schniepp, Vice President of Quality Assurance, Javelin Pharmaceuticals

Interviewed by Chitra Sethi, Managing Editor, BioPharm International

In the wake of the heparin contamination incidents last year, many questions remain about the integrity of the biopharmaceutical supply chain. What can the industry do to guarantee the integrity of finished products?

Susan Schniepp of Javelin Pharmaceuticals discusses the challenges and possible solutions.

2:00 pm

Manufacturing & Economics – Disposable Technologies: Driving Cost Out of Biomanufacturing?

Peter Latham, President, BioPharm Services

Interviewed by Haydia Haniff, Associate Editor, BioPharm International

Biopharmaceutical manufacturers are increasingly adopting single-use technologies, but assessing the impact of disposables on manufacturing economics is complex. This session will cover recent analyses of the cost effectiveness of using disposables versus stainless steel; in what situations and unit operations disposables are most cost effective; and future trends in single-use technology.

continued

3:00 pm

Green Operations: What Biotech Companies are Doing to Improve the Sustainability of Their Operations

Mark R. Bamforth, Senior Vice President, Corporate Operations & Pharmaceuticals, Genzyme Corporation
Interviewed by Laura Bush, Editor in Chief, *BioPharm International*

Biopharmaceuticals are based on biology, but how environmentally friendly are biotech operations? Attend this session to learn what biopharmaceutical companies are doing to reduce the carbon footprint of their manufacturing operations and how those efforts fit into their broader corporate sustainability programs.

WEDNESDAY, MAY 20

10:00 am

Manufacturing Economics: The Economics of Developing and Manufacturing Biosimilars

Friedrich Nachtmann, PhD, Head of Biotech Cooperations, Sandoz Biopharmaceuticals
Interviewed by Haydia Haniff, Associate Editor, *BioPharm International*

Hear from Sandoz, the first company to receive approval for a biosimilar in Europe, about the economics of developing and manufacturing biosimilars. Points of discussion will include: process development times; manufacturing efficiency; the pros and cons of using different expression systems; how pricing and reimbursement differences between Europe and the coming US market affect ROI; and requirements for approval.

11:00 am

Regulatory Issues: It's as Simple as 1, 2, 3: How the Newly Revised FDA Process Validation Guidance Brings Science, Statistics and Risk Analysis to the Plant

Peter Watler, PhD, Principal Consultant & Chief Technology Officer, Hyde Engineering + Consulting, Inc.
Interviewed by Laura Bush, Editor in Chief, *BioPharm International*

Last December, the FDA issued the long-awaited draft revision of its 1987 process validation guidance. Process validation will now extend far beyond testing process streams for yield and purity to stress the importance of process understanding and control, with a particular emphasis on statistical data and risk management.

1:00 pm

Regulatory Issues: A More Rational Approach for Setting Product Specifications – The Path Forward

Tim Schofield, Senior Consultant, Biologics Consulting Group, Inc.

Interviewed by Laura Bush, Editor in Chief, *BioPharm International*

The inappropriate development and interpretation of specifications, including setting critical quality attribute acceptance criteria to control limits, hinders manufacturers' ability to monitor and control their processes. The Working Group on Specifications and Formulations of the PhRMA Biologics and Biotechnology Leadership Committee recommends more meaningful approaches for setting limits that help mitigate risks to the manufacturer and patient alike.

2:00 pm

Sourcing & Outsourcing: Biomanufacturing Decision-Making in Uncertain Times

Howard L. Levine, PhD, President, BioProcess Technology Consultants, and Jim Miller, President, PharmSource Information Services

The current economic climate adds complexity to the challenges of capacity planning and the decision to manufacture in house or outsource. Jim Miller of PharmSource and Howard Levine of BioProcess Technology Consultants discuss manufacturing decisions facing biopharmaceutical companies as their products move through the pipeline into late development and possible commercialization, taking into account data from their recent surveys of cell culture and microbial capacity.

3:00 pm

Quality by Design: How to Submit Your QbD Filing – What the FDA Pilot Participants Can Teach You

Amit Banerjee, PhD, Research Fellow, Pfizer Global Research & Development, and

Lynne Krummen, PhD, Senior Director, CMC Regulatory Affairs, Genentech

Moderated by Siddharth J. Advant, PhD, Principal, Tunnell Consulting

Biopharmaceutical companies have many questions about what a QbD filing for a biological product should look like. Here, participants in the FDA QbD Pilot Program for Biologics share what they learned from discussing the issues with the FDA.

Please note that the final schedule is subject to change.

“Live” Demos of Real CAVEman Get an Insider’s View



Picture by Masumi Yajima

**Tuesday, May 19 –
Thursday, May 21
BIO Exhibition
Booth #4561
Hall B4**

Talk by Jung Soh,
Tuesday, May 19,
11:00 am*

The CAVEman virtual reality exhibit provides a fascinating view of the biomedical processes happening in the human body over time. Immerse yourself inside a stranger’s human body — or inside your own.

**Jung Soh is with the Sun Center of Excellence for Visual Genomics at the University of Calgary, Alberta, Canada.*

.....

It’s a Lab, It’s a Bus, It’s the Classroom of the Future!

Booth #4961



Hosted by: BIO Network

Test your theories. Come to the BioNetwork Mobile Laboratory for tours and see how North Carolina promotes hands-on training and cutting edge education – when YOU become the scientist!

.....

Understand the Science Behind the Headlines. Learn Enough to Be Dangerous!

Booth #4961



Free BioTech Primer 20-min

Briefings at the BioNetwork Mobile Laboratory

Hosted by: BioTech Primer

Tuesday – Thursday, 11:00 am and 2:30 pm

Tuesday: A Swine Flu Primer

Wednesday: The Promise of Stem Cells

Thursday: Personalized Medicine and You

.....

Visit Booth #2817 – Georgia Pavilion –
for a chance to win a new Kia Soul
Drawing at 3:00 pm, Wednesday, May 20



Supporting Organizations

Thank you to the industry organizations that support BIO and the BIO International Convention.



Regional Host



TENNESSEE
BIOTECHNOLOGY
ASSOCIATION



Innovative Entrepreneurs, Executives, and Scientists

General Services

Registration

Onsite BIO Registration is located in the Registration Hall (Bldg. B, Level 4) of the Georgia World Congress Center.

You may purchase tickets for the evening events at registration located in the Registration Hall (Bldg. B, Level 4) of the Georgia World Congress Center. Tickets are \$185 each for Monday Welcome Reception and the Wednesday Gala Reception; and \$75.00 for the Closing Reception.

Emergency Calls

In an emergency, an individual may dial ext. 4911 from any red house phone in the Georgia World Congress Center for assistance.

Security

Your safety and the safety of those around you is important while you are at the BIO International Convention in Atlanta. Below are a few tips for you to consider:

- Be aware of surroundings at all times.
- Be alert for individuals without proper BIO credentials who attempt to accompany you into the event.
- Give your personal identification on a “need-to-know” basis, and only to known entities (e.g., hotel, travel agents). Never give your personal address or telephone for business contacts.
- Limit personal and corporate identity on luggage. Use only last name or “coded” luggage tags.
- Only wear your convention badge while attending convention events. Store your badge so that your identification is not visible when in public areas.
- Only display corporate identity while inside Convention Center areas. Do not travel or enter public areas wearing or carrying items with corporate logos. Cover or change your logo attire if you plan to travel into public areas.

Lost and Found

Drop off any lost items at the GWCC Information Desk located on Level 4 at the Main Entrance (International Blvd.) of the GWCC between Buildings A and B. At the end of the convention, all items will be picked up by GWCC Security and will be stored in the GWCC Lost Property Room. Every effort will be made to locate the owner of said property. Incident reports are taken and filed by BIO and building security.

First Aid

First Aid for the BIO International Convention is located in two offices: Hall B3 entrance in Bldg. B, Level 1 and Hall A3 entrance in Bldg. A, Level 1 of the Georgia World Congress Center.

Hours of Operation for First Aid #1 (Bldg. B):

Sunday, May 17 (7:30 am – 7:00 pm)
 Monday, May 18 (7:00 am – 7:00 pm)
 Tuesday, May 19 (7:00 am – 6:30 pm)
 Wednesday, May 20 (7:00 am – 6:30 pm)
 Thursday, May 21 (7:00 am – 6:30 pm)

Hours of Operation for First Aid #2 (Bldg. A):

Tuesday, May 19 (7:00 am – 6:30 pm)
 Wednesday, May 20 (7:00 am – 6:30 pm)
 Thursday, May 21 (7:00 am – 6:30 pm)

Coat and Luggage Storage

We offer luggage storage for \$2 per bag, located in the Registration Hall in Building B, Level 4 during registration hours (extended on Monday and Thursday).

Helpful Phone Numbers

BIO Staff Office +1.404.222.5000
 BIO Concierge. +1.404.222.5012
 Emergencyext. 4911

Free Wi-Fi

Sponsored by: Solvay

There is free Wi-Fi throughout the Georgia World Congress Center (does not include the Exhibition Hall, Keynotes and Terraces).

You won't miss a beat. You'll get the speed you need to quickly and easily check your e-mail, download files, while at the Georgia World Congress Center.

Internet Stations

There are three Internet Stations available throughout the Georgia World Congress Center:

Internet Station #1

Sponsored by: Novartis Biologics
 Level 3 Concourse, Building A, Level 3

Internet Station #2

Sponsored by: Novartis Biologics
 A/B Connector, Bldg. B, Level 1

Internet Station #3

Exhibition Hall, Bldg. B, Level 1

Food Service

There are several food service stations located throughout the Georgia World Congress Center and in the BIO Exhibition Hall. The Georgia World Congress Center is within walking distance to several restaurants in midtown Atlanta.

Shuttle Bus Information

We will offer complimentary shuttle service to and from all official event hotels and the Georgia World Congress Center (GWCC). For some hotel locations, the shuttle pick-up and drop-off areas will be within a few blocks of the official hotel. This will allow the shuttle routes to be as efficient as possible. For each of the official event hotels, there is a detailed shuttle bus schedule available at the front desk or the concierge desk of your hotel or also online at convention.bio.org/housingtravel.

Please call +1.877.899.0986 for special needs transportation & hotel shuttle information. Accessible equipment is available during scheduled shuttle service. Reservations should be made at least 20 minutes in advance of desired pickup.
convention.bio.org/housingtravel.

To/From Convention Center

Shuttle buses will drop off and pick up on Andrew Young International Blvd. at the Front Entrance of the Georgia World Congress Center near Halls A & B during the following times:

ROUTES 1-6: DOWNTOWN & MIDTOWN HOTELS

	Morning Service Inbound to GWCC Departing Hotel Boarding Points Every 5-20 Minutes	Afternoon Service Outbound to Hotels Departing GWCC Every 5-20 Minutes
Monday, 5/18	7:00 – 10:00 am*	4:00 – 7:00 pm
Tuesday, 5/19	6:30 – 11:00 am	3:00 – 7:00 pm
Wednesday, 5/20	6:30 – 11:00 am	3:00 – 7:00 pm
Thursday, 5/21	6:30 – 11:00 am	2:00 – 6:00 pm

*Monday, 5/18, shuttle service will be provided from 10:00 am – 4:00 pm, every 30 minutes departing the GWCC.

ROUTE 7: BUCKHEAD HOTELS

	Morning Service Inbound to GWCC Departing Every Hour	Afternoon Service Outbound to Hotels Departing Every Hour
Monday, 5/18	7:00 – 10:00 am	4:00 – 7:00 pm
Tuesday, 5/19	6:30 – 10:30 am	3:00 – 7:00 pm
Wednesday, 5/20	6:30 – 10:30 am	3:00 – 7:00 pm
Thursday, 5/21	6:30 – 10:30 am	2:00 – 6:00 pm



To/From Evening Events

Please refer to your hotel lobby sign for specific Evening Event shuttle information.

ATTENTION: You must have a **FULL CONVENTION ACCESS BADGE** in order to access the Welcome, Gala and Closing Receptions and you must wear your badge. If you do not have a badge indicating Full Convention, registered attendees may purchase tickets at BIO International Convention Registration during registration hours: \$185.00 for the Welcome and Gala Receptions; \$75.00 for the Closing Reception. Tickets **WILL NOT** be available for sale at the venues.

Welcome Reception

Monday, May 18, 2009, 7:15 pm – 9:00 pm

Inbound service will be provided to Centennial Olympic Park from 6:30 pm – 7:30 pm, every 15-20 minutes from all official BIO 2009 hotels. An early return departure will be provided at 8:30 pm. Full return service will begin at the conclusion of the event. The last return departure will be provided at 9:45 pm.

Gala Reception

Wednesday, May 20, 2009, 7:45 pm – 9:30 pm

Inbound service will be provided to the Georgia Aquarium from 7:15 pm – 8:15 pm, every 15-20 minutes from all official BIO hotels. An early return departure will be provided at 9:00 pm. Full return service will begin at the conclusion of the event. The last return departure will be provided at 10:15 pm.

Closing Reception

Thursday, May 21, 2009, 6:30 pm – 9:30 pm

Inbound service will be provided to the Tabernacle from 6:00 pm – 7:00 pm, every 15-20 minutes from all official BIO hotels. An early return departure will be provided at 8:30 pm. Full return service will begin at the conclusion of the event. The last return departure will be provided at 10:00 pm.

Hotel Name	Route	Boarding Location
Atlanta Marriott Downtown 160 Spring St. NW Atlanta, GA 30303 +1.404.688.8600	2	At Westin Peachtree, Motor Lobby Entrance
Atlanta Marriott Marquis 265 Peachtree Ctr. Ave. NE Atlanta, GA 30303 +1.404.521.0000	4	Curbside on Baker St. Near Pacific Rim Restaurant
Atlanta Marriott Suites Midtown 35 14th St. NE Atlanta, GA 30309 +1.404.876.8888	6	Curbside on 14th St., Across St.
Baymont Inn & Suites 175 Piedmont Ave. NE Atlanta, GA 30303 +1.404.659.7777	3	Curbside on Piedmont Ave.
Buckhead Hotel Atlanta 3405 Lenox Rd. NE Atlanta, GA 30326 +1.404.261.9250	7	Curbside on Lenox Rd.
Courtyard Marriott Atlanta Buckhead 3332 Peachtree Rd. NE Atlanta, GA 30326 +1.404.869.0818	7	Front Entrance Near Doubletree Hotel
Ellis Hotel 176 Peachtree St. NW Atlanta, GA 30303 +1.404.523.5155	3	Front Entrance on Ellis St.
Embassy Suites Centennial Park 267 Marietta St. Atlanta, GA 30313 +1.404.223.2300	1	Park Ave. West Entrance
Four Seasons Atlanta 75 14th St. NE Atlanta, GA 30309 +1.404.881.9898	6	Curbside on 14th St., Across St.
Hilton Atlanta 255 Courtland St. NE Atlanta, GA 30303 +1.404.659.2000	4	Curbside on Baker St. Near Parking Lot
Hilton Garden Inn Atlanta Downtown 275 Baker St. Atlanta, GA 30313 +1.404.577.2001	2	Front Entrance Across Baker St.
Holiday Inn Atlanta Downtown 101 Andrew Young International Blvd. Atlanta, GA 30303 +1.404.524.5555	2	At Westin Peachtree, Motor Lobby Entrance
Hotel Midtown Atlanta 125 10th St. NE Atlanta, GA 30309 +1.404.873.4800	6	Curbside on 10th St.
Hyatt Regency Atlanta 265 Peachtree St. NE Atlanta, GA 30303 +1.404.577.1234	4	Curbside on Baker St. Near SunTrust Plaza
InterContinental Buckhead 3315 Peachtree Rd. NE Atlanta, GA 30326 +1.404.946.9000	7	SE Corner of Peachtree Rd. & Steve Porter Wy.

Hotel Name	Route	Boarding Location
Omni Hotel at CNN Center 190 Marietta St. NW Atlanta, GA 30303 +1.404.659.0000	WD	Walking Distance to GWCC
Regency Suites Midtown Hotel 975 W. Peachtree St. Atlanta, GA 30309 +1.404.876.5003	6	10th St. Entrance
Renaissance Atlanta Hotel Downtown 590 W. Peachtree St. NW Atlanta, GA 30308 +1.404.881.6000	5	Curbside on Linden Ave. Past Valet
Ritz-Carlton Atlanta 181 Peachtree St. NE Atlanta, GA 30303 +1.404.659.0400	3	At Ellis Hotel, Front Entrance on Ellis St.
Ritz-Carlton Buckhead 3434 Peachtree Rd. NE Atlanta, GA 30326 +1.404.237.2700	7	Front Entrance, Outer Lane
Sheraton Atlanta Hotel 165 Courtland St. Atlanta, GA 30303 +1.404.659.6500	3	Curbside on International Blvd. at Uptown Restaurant
W Atlanta Downtown 45 Ivan Allen Jr. Blvd. Atlanta, GA 30308 +1.404.582.5800	5	Curbside on W. Peachtree St. Near Mellow Mushroom
W Atlanta Midtown 188 14th St. NE Atlanta, GA 30361 +1.404.892.6000	6	Curbside on 14th St. Between Driveways
Westin Peachtree Plaza 210 Peachtree St. Atlanta, GA 30303 +1.404.659.1400	2	Motor Lobby Entrance, Curbside on Spring St.
Wyndham Garden Hotel Atlanta 174 Piedmont Ave. NE Atlanta, GA 30303 +1.404.659.2727	3	Curbside Piedmont Ave.

BIO TV Hotel Channels

- #42 Atlanta Marriott Marquis
- #12 Atlanta Marriott Suites-Midtown
- #30 Buckhead Hotel Atlanta
- #75 Embassy Suites Centennial Park
- #14 Hilton Atlanta
- #55 Hilton Garden Inn-Atlanta Downtown
- #4 Intercontinental Buckhead
- #13 Omni
- #77 Renaissance Downtown
- #41 Ritz Carlton-Buckhead
- #56 Sheraton Atlanta
- #48 Westin Peachtree Plaza



SOAR GET READY TO

Connect with new life science career opportunities.

FREE

Meet recruiters from more than 25 companies looking to fit hundreds of available jobs in every major biotech niche from pharmaceuticals, food and agriculture and consumer products, to energy, medicine, biopreparedness and more.

The BIO Career Fair is tailored for life science professionals with 5+ years of work experience and recent graduates with a life science degree looking to enter the job market.

This is your opportunity to:

- interview with top bioscience professionals for open positions;
- attend free job seeker educational seminars;
- network with recruiters to discuss career options and requirements.

The BIO Career Fair is FREE and open to all job seekers with a four-year life science degree. You are encouraged to upload your resume in advance.

- Upload your resume free-of-charge on our Web site at **biocareerfair.org**.
- Download and print your “resume receipt” and bring that with you to gain express entrance.
- Or, bring a hard copy of your current resume or CV to be reviewed at the door for admittance.

Bio Career Fair

powered by  **BioSpace**

Monday, May 18, 2:00 pm – 7:00 pm
Georgia World Congress Center
Thomas B. Murphy Ballroom
Building B, Level 5

- **Free to attend for job seekers, no badge necessary**
- Interview with top bioscience companies
- Further or change your career in one easy location
- 50+ employers and hundreds of job opportunities
- Post your resume and pre-register online at no charge to save time on event day
- Network with employers and industry peers
- Free career educational seminar for pre-registered candidates
- Easy parking available; close to public transportation



Miss a Session or Speaker? Order Recordings Online!

Access 2009 BIO International Convention content throughout the year from the **BIO Live Learning Center**. Download breakout sessions and super sessions and listen to them on your iPod®, MP3 player or computer.

Experience the sessions as they happened, captured in digital audio/video with synchronized slides and handouts. Visit the **BIO Store** in the International Blvd. Lobby to see a demo and order today. Or visit www.softconference.com/BIO to learn more.



2009 BIO International Convention Session Recording Options++

	Attendee Price	Non-Attendee Price
Individual Track Online	\$95	\$195
Individual Track CD-ROM	\$125	\$225
Complete Set Online	\$495	\$2195
Complete Set CD-ROM	\$650	\$2295

To Order ONSITE:

Receive up to 75% off non-attendee pricing. To view a demo of the BIO Live Learning Center, please visit the Sales Desk in the BIO Store located in the International Blvd. Lobby of the Georgia World Congress Center (near registration).

By PHONE

With credit card, please call: +1.800.747.8069
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Santa Clarita, CA 91355

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FAX your order form with credit card information
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to **orders@cmcgc.com**
Please refer to Program #290518

++ PowerPoint and audio compilation set contains the audio recording and PowerPoint synchronization of all BIO sessions scheduled Monday–Thursday of the convention. The set does not include any keynote luncheons or BIO Business Forum programming. All sales are final.

BIO Media Partners

(As of April 24, 2009)

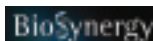
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of \$50 or more!**

Stop by the
BIO Store

located at

International Blvd.

Lobby (near Registration)

Forget something back at home? Looking for a BIO International Convention souvenir? Interested in browsing new books related to biotechnology, like the *2009 Burrill Report*? Come to the BIO Store and find what you need.

Open 7:00 am – 6:30 pm each day.



Registration Hours

Monday, May 18, 2009

7:00 am – 6:30 pm

Tuesday, May 19, 2009

7:00 am – 6:30 pm

Wednesday, May 20, 2009

7:30 am – 5:30 pm

Thursday, May 21, 2009

7:30 am – 3:00 pm

BIO Store

Open 7:00 am – 6:30 pm

Monday, May 18 – Thursday, May 21

International Blvd. Lobby

(near registration)

BIO Store Book Signings

Stop in for book signing events with top names in biotech, including:

- **Steve Burrill**, *Life Sciences: Navigating the Sea Change*
Tuesday, 1:00 pm
- **David Ewing Duncan**, *The Experimental Man*
Monday, 2:00 pm
- **Les Funtleyder**, *Health Care Investing*
Monday, 4:00 pm
- **Michael A. Gollin**, *Driving Innovation: Intellectual Property Strategies*
Wednesday, 2:00 pm
- **Moira Gunn**, *Welcome to BIO Tech Nation*
Monday, 2:00 pm & Tuesday, 5:30 pm

Visit the BIO Store for a full schedule of book signings during the convention.



WARNING: Do not lose your hotel key!

That little piece of plastic may be more valuable than you think and unlock more than just your hotel room.

Bring your key to Novo Nordisk booth #2521.
Swipe it in the "Goody Box" scanner and see if it
unlocks an iPod Touch, Nintendo Wii, or
Small Wonder digital video camera.

So while the front desk can certainly replace a
lost key, they can't guarantee that the one you had
didn't unlock more than just your room.

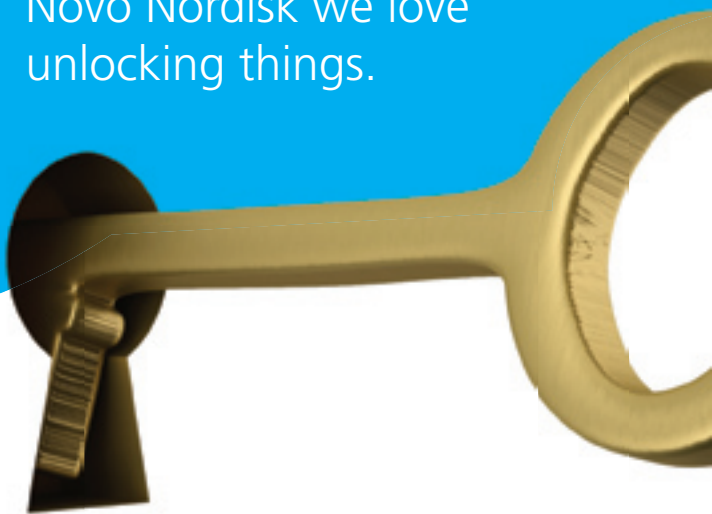
A public service announcement brought to you by Novo Nordisk.

www.BIO2009NovoNordisk.com
Booth #2521



**unlocking
the promise of
biotechnology**

It could be said that at
Novo Nordisk we love
unlocking things.



Ever since introducing insulin more than 80 years ago, Novo Nordisk has been unlocking the potential of proteins to improve patients' lives through pioneering therapeutics and delivery systems.

Now it's your turn.

Bring your key to Novo Nordisk booth #2521 and see if it unlocks an iPod Touch, Nintendo Wii, or Small Wonder digital video camera.

Win or lose, discover what makes us the leader in the development of therapeutic proteins.

Visit booth #2521 and unlock the world of Novo Nordisk.



unlocking
the promise of
biotechnology