



**Taking Flight: The Future of Bioscience**

**ABOUT THE CONFERENCE**

In the 7th annual conference, the region's research institutions, federal agencies, industry, investors and service providers once again come together to discuss innovation and commercialization opportunities in the area of biotechnology. Is the OVALS region poised to take on a leadership role in the development of the next generation of technology?

- The focus of this year's conference will look at
- o the major diseases driving biotechnology advances
  - o game changing scientific advances
  - o types of technology that will have major impact our health care in the future
  - o funding priorities expected to emerge under the new political administration

The Ohio Valley Affiliates for Life Sciences (OVALS) is a collaborative effort of the University of Cincinnati, University of Louisville, Wright State University, University of Kentucky, Ohio University, Air Force Research Laboratory, BioOhio, CincyTechUSA, Edison Biotechnology Institute, and Indiana Health Industry Forum.

**FOR FURTHER INFORMATION**

University Conferencing • Telephone: 513.558.1810 • Fax: 513.558.0385 • Web: [www.OVALSgroup.org](http://www.OVALSgroup.org) • E-mail: [univconf@uc.edu](mailto:univconf@uc.edu)

**THURSDAY, APRIL 2, 2009**

- 4:00 – 6:00 Registration**
- 5:00 – 6:00 PM Opening Reception and Exhibits**  
**Networking and Poster Competition**  
 See novel ideas in research and technology development, meet the researchers, and help determine this year's winners.
- 6:00 – 8:00 Opening Dinner and Keynote Address:**  
**Diseases that Will Drive Future Technology and Opportunity**  
**Michael Parkinson, MD, MPH, Executive Vice President and Chief Health and Medical Officer, Lumenos, and Past-President, American College of Preventive Medicine**  
 Dr. Parkinson is a recognized authority on the disease and health issues impacting society. He is credited with helping Lumenos achieve many industry "firsts." He has served as deputy director of the Air Force Medical Operations and Chief of Preventive Medicine and is the immediate past chair of the American College of Preventive Medicine.

**FRIDAY, APRIL 3, 2009**

- 8:00 – 8:30 AM Registration and Continental Breakfast**
- 8:30 – 9:30 Opening Keynote Address:**  
**Anticipated Funding Priorities Under the New Administration**  
**Belinda Seto, PhD, Deputy Director, National Institute of Biomedical Imaging and Bioengineering**  
 Dr. Seto is responsible for governance, oversight, and management of all aspects of the Institute's research and training mission. She represents the Institute in a number of Federal government-wide committees, including the White House initiatives on manufacturing, research business models, and the NIH Roadmap initiatives. Dr. Seto is a highly knowledgeable and outstanding speaker.
- 9:30 – 10:45 Technology Session 1:**  
**Nanoparticles, Toxicity, Characterization and Sensors**  
**Matt Hedrick, President and CEO, Nanovis Inc. and Dawn P. Wooley, Ph.D., Associate Professor, Virology, Wright State University**  
 Nanotechnology is predicted to have the same revolutionary impact in the next century, as did television, airplanes and computers in this century. It offers solutions to some of our toughest

**THIRD ANNUAL RESEARCH FAIR AND CASH AWARDS**

Innovation and opportunity starts NOW. Submit your scientific poster and abstract to be eligible for a cash award of up to \$1000. Visit [www.ovalsgroup.org/poster\\_competition.asp](http://www.ovalsgroup.org/poster_competition.asp) for the application process.

**WHY YOU SHOULD ATTEND**

This conference is a "must" for anyone interested in commercialization of new life sciences technologies, collaboration opportunities, and creating economic impact. This includes university researchers and administrators, technology transfer professionals, corporate scientists, business development professionals, state and local economic development officials, attorneys, investors, incubators, and entrepreneurs. The OVALS Conference is an important forum for exposure to the thinking of national leaders, opening up strategic dialogues, expanding opportunity, and networking.

**GENERAL INFORMATION**

**Accommodations** • The conference will be held at the Dayton Marriott Hotel, 1414 S. Patterson Blvd. in Dayton, Ohio. A block of rooms has been reserved at the Marriott at a special rate of \$119 plus tax, single or double. Please make your reservation by calling 800.450.8625 or 937.223.1000 by March 13 and identifying yourself as a participant of the OVALS Conference. You may also reserve online at [www.dayton-marriott.com](http://www.dayton-marriott.com); the group code is OVLOVLA. After March 13, rooms may be reserved on a space and rate available basis only.

**Fees** • The conference registration fees (\$150 regular registration, \$95 academic, and \$50 student) include conference materials, dinner on Thursday, continental breakfast and lunch on Friday, and refreshment breaks.

**Refunds** • If you register and find you are not able to attend, you will receive a full refund by calling 513.558.1810 or e-mailing [univconf@uc.edu](mailto:univconf@uc.edu) by March 26, 2009. No refunds will be processed after this date. Substitutions may be made at any time.

**Exhibits** • The fee for an exhibit table is \$250 per table and includes one conference

problems and will spawn brand new industries around it. Issues to be resolved include short and long-term effects of exposure, characteristics and levels of exposure that are toxic, precautionary measures for reducing/eliminate risk, and monitoring technologies to measure the presence of nanoparticles in the environment.

- 11:00 – 12:30 Technology Session 2: Medical Devices**  
**Paul A. Spence, M.D., President, SCR Inc.; Ruth Voor, Owner, Vortecom and Former Director, Global Product Marketing, Cordis Corporation; and Mike Hiles, Ph.D., Vice President for Research and Clinical Applications, Cook Biotech, Inc.**  
 This session will discuss current trends in the development of medical devices from the perspective of a large pharmaceutical company, development of biomaterials from natural tissue sources for medical products, surgical applications, and start-up company opportunities.

- 12:30 – 1:30 Lunch**
- 1:30 – 2:45 Technology Session 3: BioSafety Technologies**  
**Richard Stotts, Ph.D., Session Chair, Counterproliferation Branch Technical Advisor, AFRL; Radislav Potyrailo, Ph.D., GE Research Center, Chemical and Biological Sensing Laboratory; and Gary Wilson, Manager, Animal Identification Systems, Ohio Department of Agriculture**  
 The development of new technologies to address the growing threat of bioterrorism is a major priority in the US and around the world. This panel of experts will discuss biosafety technology related to detection and diagnosis of biological warfare agents, response systems, and threats to our agricultural industry. Discussion will include new technologies under development and future needs.

**3:00 – 4:15 Technology Session 4: Stem Cell Technology**  
**Gary Van Zant, Ph.D., Professor of Physiology, University of Kentucky College of Medicine, and Clinical Director, Stem Cell Processing Lab, UK Markey Cancer Center**  
 How will stem cell based technologies impact treatment of such diseases as cancer, liver disease, diabetes, central nervous system disorders, and other major diseases? This session discusses new discoveries in the area of stem cell that will lead to major breakthroughs in the treatment of disease and future directions for stem cell research by government and industry.

**2009 OVALS CONFERENCE REGISTRATION FORM** Please print; duplicate as necessary.

Dr./Mr./Mrs./Ms. \_\_\_\_\_  
First Last

Title \_\_\_\_\_

Department \_\_\_\_\_

Organization \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Day Phone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail \_\_\_\_\_

**FEES**

- \$150 Conference Registration     \$95 Academic     \$50 Student  
 \$250 Exhibit Registration (includes conference registration)

**PAYMENT**

\_\_\_\_\_ Total amount due

Enclosed is my check or money order made payable to University of Cincinnati

Purchase Order # \_\_\_\_\_  
 Contact name \_\_\_\_\_ phone \_\_\_\_\_

Please charge my  VISA     MasterCard     American Express     Discover

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Signature \_\_\_\_\_

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 fax: 513.558.0385    e-mail: via our Web site at [www.uc.edu/conferencing/events/OVALS](http://www.uc.edu/conferencing/events/OVALS)

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Received _____ Entered _____ Confirmed _____	
Paid _____ Receipt # _____ Sundry _____	

- I will attend the keynote and dinner on Monday, April 2.     Yes     No
- I will submit a poster for the Research Fair and Competition.     Yes     No
- I have special dietary needs. \_\_\_\_\_
- If you have special needs to accommodate a disability, please call 513.558.1810 by 3/20/09.

## 7th Annual Conference



*Sponsored by Ohio Valley  
Affiliates for Life Sciences (OVALS)*

### ORGANIZERS

*University of Cincinnati  
University of Kentucky  
University of Louisville  
Ohio University  
Wright State University  
Air Force Research Laboratory  
Bluegrass Business Development Partnership  
CincyTechUSA  
Edison Biotechnology Institute  
Indiana Health Industry Forum*

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**Taking Flight: The Future of Bioscience**

April 2–3, 2009 ▪ Dayton Marriott Hotel ▪ Dayton, Ohio



UNIVERSITY of LOUISVILLE



BRIDGES TO COLLABORATION • [www.ovalsgroup.org](http://www.ovalsgroup.org)

### 2009 OVALS CONFERENCE

University Conferencing  
PO Box 210031  
Cincinnati, OH 45221-0031

## 7th Annual Conference



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