

BIONANOTECHNOLOGY: The World of the Small in Medicine 2004 SYMPOSIUM ROUND UP

ANNUAL SYMPOSIUM AND TECHNOLOGY FAIR A HUGE SUCCESS!

"By far the best Symposium you have ever presented," was one comment heard after this year's event entitled *Bionanotechnology: The World of the Small in Medicine* held on October 28th at the Education and Resource Center at Hartford Hospital. Attended by approximately 400 people, including high school students and teachers, BEACON was pleased with the expressions of "wow" and "unbelievable" shared by many in person and in the written evaluations of an exciting day of the field of Bionanotechnology. The speakers presented a wide range of applications of nanotechnology in the field of medicine. The speakers included:

Gregory Tew, Ph.D., UMASS-Amherst, Polymer Science Center, "Merging Chemistry, Materials Science & Biology to Create New Materials for Biomedical Applications"

Kambiz Pourrezaei, Ph.D., Drexel University, Nanotechnology Institute, "Applications of Nano Optical Probe to Single Cell Imaging"

Jie Han, Ph.D., NASA Ames Research Center, Nanotechnology, "Nanodevices for Biomedical Applications"

Mark Saltzman, Ph.D., Yale University, Director, BME, "Biomaterials & Nanotechnology in Drug Delivery"

David Reisner, Ph.D., CEO & President, Inframat, "Bioengineered Nanocoatings for Prosthetic Devices"

John Lanzafame, President, Nanolution Division of Biophan Technologies, "Development of a Novel Field of Nanotechnology"

Gualberto Ruano, M.D., Ph.D., President, GENOMAS, "Physiogenomics and Nanotechnology: A Systems Engineering Approach to Personalized Healthcare"

JoAnne Feeney, Ph.D., VP of Research, Punk, Ziegel & Company, "Economic Forecast for BioNanotechnology"

The keynote address was presented by Dr. Michael Connolly, Founder and CEO, Integrated Nano-Technologies.

After the morning session, the technology fair was open to everyone during lunch and into the afternoon. Over 26 exhibitors from companies, universities, organizations, etc. showcased their products and services. Simultaneously, a poster session covering all areas of bioengineering was held with more than 45 posters from students and faculty of colleges all over the northeast.



The first place poster winner was Dr. Anthony Shroud, UMASS, Amherst (3rd from left). Shown here with Dr. Shroud is Dr. Don Peterson, the head judge; Dr. Joseph Bronzino, President of BEACON and Mr. Oz Griebel, President, Metro Hartford Alliance, one of the sponsors of the poster session.

As a result of a partnership with the Connecticut Venture Group (CVG), the day ended with a panel discussion entitled *Future Trends in Nanotech Investment: Are We Passing Through the Inflection Point?* CVG members from all over the state came to hear some of the same speakers from earlier in the day and engage in a lively conversation about the financing of nanotech ideas and inventions.

BEACON would like to thank its many sponsors and exhibitors and attendees for making this the best event ever!

WELCOME TO A NEW MEMBER



Eastern Plastics, Inc. (EPI) is an ISO 9001:2000 registered company specializing in close-tolerance, complex machining of plastics. Tolerances to ± 0.0002 ". CNC milling, drilling of 50:1 aspect ratio, tapping, turning, screw machining, polishing/finishing, bonding, welding, assembly, annealing. They offer design, engineering, material selection assistance. They have extensive experience working with medical, clinical diagnostics, surgical instruments, laboratory apparatus, test and measurement products, multi- and single-layer manifolds, fluidics manufacturers. EPI is the largest plastic machining company in the world and works with customers in several countries. Their customers often work with EPI at the design stage to optimize components for manufacturability. They have developed processes and techniques that can help bring customer's product to a new level of performance. They seek difficult, challenging applications, as well as standard production work. For more information, contact Larry Dawson at sales@easternplastics.com or 860-314-2880.

BEACON FOUNDATION FORMS AND RECEIVES FIRST GRANT

Last summer a group of dedicated individuals formed the BEACON Foundation, a 501(c)(3) whose primary mission is to serve as an engine of innovation in the field of bioscience and bioengineering, and as a source of private funding to individuals, academic institutions, and medical institutions engaged in R&D activity, intended to advance knowledge in those fields. One of the first orders of business was the creation of a *Founders Society* (the Founding One-Hundred) which will create an operating fund to hire the first executive director. Anyone interested in joining the *Founders Society* may make a tax-deductible contribution of \$1,000 to: The BEACON Foundation, P.O. Box 260069, Hartford, CT 06114.

In addition, a recent grant by the J. Walton Bissell Foundation in Hartford, CT has made it possible for the BEACON Foundation to make a grant to a project that will benefit children healthcare. An RFP was sent to the BEACON community inviting them to send a proposal by December 1, 2004. The winner will be announced at the Annual Members Meeting on December 3, 2004.

NEW MEMBER BENEFIT: ENHANCED TECHNOLOGY TRANSFER

BEACON announces a new protocol to showcase new technology being created within the BEACON member academic and medical institutions to the corporate members of BEACON. Here is how it works:

- Step 1 – At any time a Tech Transfer officer at any of the BEACON member academic or medical institutions can provide a form we have developed highlighting emerging medical technologies to the administrative offices of BEACON.
- Step 2 – After their review, BEACON will seek interest from corporate members to determine if there is a "fit."
- Step 3 – If there is, BEACON will set up an interview with the Tech Transfer officer and the corporate members at the BEACON offices to allow for a presentation of the technology.
- Step 4 – If there is sufficient interest by both sides, BEACON will facilitate a meeting among the principals during which time discussions related to taking options on the technology will take place.
- Step 5 – If there is no further interest, BEACON will post the information on its website for viewing and action by non-BEACON members. This technology will remain on the BEACON website for one year. For more information, contact the BEACON offices at the address and phone number below.

BEACON www.beaconalliance.org

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President/Executive Director: Dr. Joseph D. Bronzino
Executive Vice President/COO: Bob Miller
Assistant Executive Director: Terri Wilson
Program Coordinator: Leo Snow

BEACON 2004 Members: Trinity College, The University of Connecticut, The University of Connecticut Health Center, The University of Hartford, The University of Massachusetts at Amherst, Drexel University, Springfield Technical Community College, Assuntnuck Community College, Hartford Hospital, John Dempsey Hospital, Saint Francis Care, Baystate Medical Center, and The University of Stuttgart. Corporate Sponsors include: Pfizer, TYCO Health Care Kendall, GE Medical, Northeast Utilities, Court Square Data Group, Pepe & Hazard, Pullman & Comley, Day, Berry & Howard, Premise Development, UBS Financial Services, McCormick, Paulding & Huber, MicroTest Laboratories, Vivax Medical, Eastern Plastics, Inc., Applied Software Technologies, CCAT, Micro-Invasive Technologies, McAndrews, Held & Malloy, Robinson & Cole, GENOMAS, Inc., Ciracet Corporation, Nerac.com and Inframat Corporation.