



February 2007

Biotech News

- Bioengineers develop spray-drying technique for vaccines like the common one for TB, that could provide greater stability at room temperature and use in needle-free delivery. <http://www.news.harvard.edu/gazette/2007/02.15/05-dryspray.html>
- Researchers design an improved, three-dimensional scaffold for use in joint repair with stem cells. <http://www.dukemednews.org/news/article.php?id=10004>
- Researchers uncover how cells target the components of gap junctions to the appropriate location on the cell surface, possibly giving important insights into processes that have gone awry in heart failure and cancer. <http://www.hhmi.org/news/jan20070208.html>
- A future view of cellulosic ethanol <http://www.technologyreview.com/Energy/18227/>
- U.S. FDA announces it has cleared for marketing the first absorbable polymer suture made from material isolated from bacteria modified by recombinant DNA technology. <http://www.fda.gov/bbs/topics/NEWS/2007/NEW01560.html>

Accepting Nominations

In memory of Professor Jay Bailey for his many pioneering contributions to biotechnology, SBE's Bailey award is presented to an individual who has had an important impact on bioengineering and whose achievements, either specific or general, have advanced this profession in any of its aspects. Award winners include Michael Shuler of Cornell University, Robert Langer of MIT, Edwin Lightfoot of the University of Wisconsin, and Nicholas Peppas of the University of Texas at Austin. You can nominate your colleague by following the instructions at <http://www.aiche.org/SBE/About/Awards.aspx>

Last Chance to Register

Interested in improving your process? Then attend SBE's 1st Conference on Accelerating Biopharmaceutical Development in March 19-22, 2007 in Coronado, CA. This conference focuses on delivering cost-effective, robust processes and methods quickly and efficiently. Keynote speakers include:

- Helen Winkle, Director of the Office of Pharmaceutical Science at the FDA's Center for Drug Evaluation and Research
- Roger Perlmutter, VP of Research and Development, Amgen
- Tony Lubiniecki, VP of Development, J&J/Centocor.

The complete program is now available. View the program or register now. (<http://www.aiche.org/AcceleratingBio>)

Call for Abstracts

Professor Jackie Ying, head of Singapore's Institute for BioNanotechnology, is chairing SBE's 3rd International Conference on Bioengineering and Nanotechnology (ICBN 2007) on August 13-15, 2007 in Biopolis, Singapore. The call for papers is now open with student funding available. Find out more at www.aische.org/icbn. Speakers include Takuzo Aida, Mounqi Bawendi, C. Jeffrey Brinker, James Bryers, James Heath, Allan Hoffman, I-Ming Hsing, Yu-Chen Hu, Kazuhiko Ishihara, Klavs Jensen, Kazunori Kataoka, Thomas A. Kost, Gil Lee, Kam Leong, Benjamin List, D. Tyler McQuade, Vladimir Mironov, Teruo Okano, Buddy Ratner, Myron Spector, Galen Stucky, Matthew Tirrell, Gordon Wallace, David Weitz, Feng-Shou Xiao, Shuguang Zhang, and Dongyuan Zhao. The abstract deadline is March 15, 2007.

Other Events to Consider

ASME's Frontiers in Biomedical Devices

Cosponsored by SBE
June 6-7, 2007
Irvine, CA

SBE's 1st International Conference on Stem Cell Engineering

Chaired by Fred Gage of the Salk Institute, Corey Goodman of Renovis, and David Schaffer of the University of California, Berkeley.
January 20-23, 2008
Coronado, CA

A complete bio-event calendar can be found at <http://www.aische.org/SBE/Events/index.aspx>

Let Your Voice Be Heard

The Committee on Finance of the U.S. Senate requested the U.S. International Trade Commission to conduct a 20-month fact-finding investigation addressing the competitive conditions affecting the adoption and development of industrial biotechnology by the U.S. biofuels and chemicals industries. The Commission will be holding a public hearing; written submissions may also be provided, either in addition to or in lieu of participating in the hearing. Please contact Elizabeth Nesbitt (Elizabeth.Nesbitt@USITC.gov) for more information.

Join Now

Not a current SBE member? It's never too late to join or renew. Costs are \$75 for regular members, \$25 for graduate students, \$10 for AIChE, ACS and IBE members, or \$5 for undergraduates. Join now at <https://www.aische.org/apps/ecommerce/bio/index.asp>.

Member benefits include:

- Subscription to SBE's semi-annual BioSupplement to Chemical Engineering Progress.
- Discounts on leading biological engineering conferences including SBE and SBE cosponsored meetings and courses.
- Access to online membership directory.
- A voice in education, employment and technology advancement topics.

Comments?

SBE's e-Connections is edited by Adrian Andrew Fay, Web Science Editor, with input from various SBE staff. Contact us at bio@aische.org

*The Society for Biological Engineering (SBE) is a new technological community of AIChE
Its mission is to promote the integration of biology with engineering and realize its benefits
through bioprocessing, biomedical, and biomolecular applications.
For comments and contributions to SBE Connections, email <mailto:bio@aiiche.org>*

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