



April 2006

Biotech News

- Bioengineers devise method, using electricity and light, which gives them unprecedented control for organizing cells in three dimensions outside organisms.
<http://web.mit.edu/newsoffice/2006/3d.html>
- New biodegradable polymers show advantages for intercellular drug delivery and sustained drug release, to tumors and inflammatory tissues with acidic environments.
<http://qtresearchnews.gatech.edu/newsrelease/polyketals.htm>
- Engineers build ultra-small "nanowire" structures using viruses, for use in very thin lithium-ion batteries. Author Professor Angie Belcher will be speaking at our ICBN Conference, highlighted below.
<http://web.mit.edu/newsoffice/2006/virus-battery.html>
- Scientists develop first comprehensive method for discovering the cell's sites of nitrosylation, thought to be important in lethal cardiovascular conditions.
http://news.med.cornell.edu/wcmc/wcmc_2006/03_30_06.shtml
- New RNAi library of molecular reagents to silence human and mouse genes available to enable systematic study of gene function.
http://www.broad.mit.edu/cgi-bin/news/display_news.cgi?id=421
- Veridium's technology to extract corn oil from distiller's dried grain improves the economics of ethanol production.
http://www1.eere.energy.gov/biomass/news_detail.html?news_id=9892

SBE Highlights

Submit your abstract now and join us at SBE's upcoming International Conference on Bioengineering and Nanotechnology (ICBN) this fall in Santa Barbara, California. The April deadline has been extended to June 15th. Simply use the attached template (word document) and submit your abstract to icbn@aiche.org. Funding for students is available. ICBN brings together leading researchers working at the interface of bioengineering and nanotechnology on September 5-7, 2006. To find out more, go to <http://bio.aiche.org/icbn>.

It's time to recognize your candidate to receive SBE's highest honor, the James Bailey Award. Cytos Biotechnology sponsors this award in memory of Professor Jay Bailey for his many pioneering contributions to biotechnology. Last year's award recipient, Professor Michael Shuler, director of Cornell's Biomedical Engineering department, described Bailey as "an articulate, visionary spokesperson for the field of biochemical engineering. His educational legacy touched many modern biochemical and biological engineers in the profession today." Information on the award and the nomination process can be found at <http://www.aiche.org/SBE/About/Awards.aspx>. Deadline – June 30.

Meetings Update

You still have time to register for these upcoming events:

[SBE's International Conference on Bioengineering and Nanotechnology](#)

[Call for Abstracts](#)

September 5-7, 2006

Santa Barbara, CA

[ASME's Frontiers in Medical Devices](#)

Cosponsored by SBE

June 8-9, 2006

Irvine, CA

[Vaccine Technology](#)

Cosponsored by SBE

June 25-30, 2006

Puerto Vallarta, Mexico

[Training – Bioprocess Technology Seminar](#)

October 23-27, 2006

Montreal, Canada

Mark your calendar now for 2007 events:

[SBE's 1st International Conference on Biomolecular Engineering](#)

January 14-18, 2007

San Diego, CA

[SBE's Conference on Accelerating Biopharmaceutical Product Development](#)

March 19-22, 2007

San Diego, CA

A complete bio-event calendar can be found at

<http://www.aische.org/SBE/Events/index.aspx>

[Career Central](#)

Check out the many jobs listed on our website. – You can post you position to be filled or look at our extensive listing for academic and industrial positions at companies throughout the U.S. at <http://www.aische.org/SBE/Careers/Find.aspx>.

[Join SBE](#)

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 Fey, Web Science Editor, with input from various SBE staff. Contact us at bio@aische.org with your comments.

Find out more at <http://www.aische.org/SBE/index.aspx>

***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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