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**SOCIETY FOR BIOLOGICAL ENGINEERING  
HONORS JAMES SWARTZ**

***SBE presents 2008 James E. Bailey Award to “Cell-free” Biomedical Innovator***

**NEW YORK CITY** – The Society for Biological Engineering (SBE), a technological community within the American Institute of Chemical Engineers (AIChE), has awarded its fourth annual James E. Bailey Award to James Swartz for advances in cell-free technology. Cell-free technology produces pharmaceutically important proteins without the complications that can arise with production from mammalian or bacterial cells. Such proteins hold promise for a number of medical applications, including patient-specific cancer vaccines.

Swartz is the Leland T. Edwards Professor at the Stanford School of Engineering and a member of the U.S. National Academy of Engineering. He also is a founder of Fundamental Applied Biology, Inc., a company dedicated to commercializing cell-free technology. In addition to its medical uses, cell-free technology may also be used for the biological production of hydrogen from sunlight and advanced water purification, among other applications.

Chaitan Khosla, professor and chair of chemical engineering at Stanford, described Swartz's career as “distinguished by a long list of contributions to protein production as it actually occurs in industrial biotechnology. His innovation of powerful scalable processes has profoundly influenced the development of protein therapeutics.”

The award honors the memory of James E. Bailey, widely recognized as the father of modern bioprocess engineering. It is presented each year to an individual who has had an important impact on bioengineering and whose achievements, either specific or general, have advanced this profession. Swartz will deliver an award lecture at AIChE's Annual Meeting in Philadelphia on Tuesday, November 18, at 6:30 p.m. at the Marriott Downtown. The title of his talk is "Look, Mom, NO CELLS! Providing New Freedom for Engineering Efficient Biological Systems."

***About the Society for Biological Engineering***

*Established by AIChE in 2004, SBE is a community of engineers and applied scientists integrating biology with engineering. Members of SBE come from a broad spectrum of industries and disciplines and share SBE's mission of realizing the benefits of bioprocessing, biomedical and biomolecular applications. <http://bio.aiche.org>. Executive Director: June Wispelwey, [bio@aiche.org](mailto:bio@aiche.org)*