Frost & Sullivan Presents the 2010 North American Enabling Technology of the Year Award for Surface Functionalization Technologies to Semprus BioSciences

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MOUNTAIN VIEW, Calif., Dec. 21, 2010 /PRNewswire/ -- Based on its recent analysis of the surface functionalization technologies market, Frost & Sullivan recognizes Cambridge, Mass.-based Semprus BioSciences with the *2010 Enabling Technology of the Year Award for Surface Functionalization Technologies*. The company's Semprus Platform is a high-performance biofunctional surface modification designed to reduce the complications associated with implanted medical devices while improving healthcare cost efficiencies.

(Logo: http://photos.prnewswire.com/prnh/20081117/FSLOGO [1])

"A majority of hospital-acquired infections contracted each year originate with the colonization of bacteria on implantable medical devices, which provide a good surface for bacterial growth," said Frost & Sullivan Research Analyst Prasanna Vadhana. "Owing to the rapid growth in the use of medical device implants and the lack of improved surface technologies, the medical device industry is in dire need of next-generation devices that significantly improve patient outcomes."

To meet this need, Semprus BioSciences has developed the Semprus Platform based on a bioinert, covalently-bonded surface modification that reduces the attachment of bacteria, fungus, platelets and blood proteins to a device.

"Semprus BioSciences' platform is able to adapt to diverse substrates such as polyurethane, silicone and titanium, thus paving the way for next-generation products with improved clinical benefits across the medical spectrum," said Vadhana. "The versatility of this technology creates avenues to address multiple products ranging from contact lenses and orthopedic fixation devices to hernia repair meshes and pacemakers, and many others."

In December 2010, Semprus BioSciences completed an $18 million Series B financing co-led by SR One, the corporate venture capital arm of GlaxoSmithKline, and Fo
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