



Acusphere, Inc. Appoints Michael Slater SVP Regulatory Affairs and Operations Replacing Dennis Bucceri

WATERTOWN, Mass., Sep 25, 2008 (BUSINESS WIRE) -- Acusphere, Inc. (NASDAQ: ACUS) today announced that Michael R. Slater will assume the position of Senior Vice President, Regulatory Affairs and Operations effective September 29, 2008, following the decision of Dennis Bucceri to leave the company for another opportunity. Mr. Slater, currently Senior Vice President, Operations, oversaw regulatory affairs at Acusphere prior to Mr. Bucceri's appointment in 2007. He has also held this position in other companies, including Biogen and Anika Therapeutics.

Sherri C. Oberg, President and CEO of Acusphere, said, "We are disappointed to lose Dennis, but respect his decision to return to a larger, more established company. We are confident that Michael Slater will be able to effectively step back into the regulatory affairs role and continue to push forward with the remaining critical milestones in the review and ultimately approval by the U.S. Food and Drug Administration (FDA) of our lead product, Imagify(TM). As I've said before, Greater Boston is a competitive arena for experienced biotech management. Dennis' role in shepherding Imagify, one of the few blockbuster products currently moving through FDA review, makes him highly attractive to a host of other larger companies. We thank him and wish him continued success."

The expected target action date for Imagify (Perflubutane Polymer Microspheres) for Injectable Suspension, under the Prescription Drug User Fee Act (PDUFA) is February 28, 2009.

Mr. Slater has served as Senior Vice President, Operations at Acusphere since 2001. Prior to joining Acusphere, he was Vice President of Operations and Vice President of Quality Systems and Regulatory Affairs at Anika Therapeutics, Inc. Mr. Slater has also served as Vice President of Regulatory Affairs at Biogen, Inc., Director of Corporate Regulatory Affairs at Biogen S.A., an independent consultant to the biopharmaceutical industry, as well as Executive Vice President, Development Operations for ImmuLogic Pharmaceutical Corporation. While at Hoechst Pharmaceuticals he held various positions including Senior Manager, Medical Services. Mr. Slater holds a B.S. in Information Science from the Metropolitan University of Leeds, England.

About Acusphere, Inc.

Acusphere (NASDAQ: ACUS) is a specialty pharmaceutical company that develops new drugs and improved formulations of existing drugs using its proprietary microsphere technology. We are focused on developing proprietary drugs that can offer significant benefits such as improved safety and efficacy, increased patient compliance, greater ease of use, expanded indications or reduced cost. Our lead product candidate, Imagify(TM) (Perflubutane Polymer Microspheres) for Injectable Suspension, is a cardiovascular drug for the detection of coronary artery disease, the leading cause of death in the United States, for which a New Drug Application (NDA) was submitted to the U.S. Food & Drug Administration (FDA) in April 2008 and filed in June 2008. Imagify is designed to enable ultrasound to compete more effectively with nuclear stress testing, the leading procedure for detecting coronary artery disease. It is estimated that more than 10 million procedures are done each year in the U.S. to detect coronary artery disease, the leading cause of death in the United States. The Company estimates that the potential annual U.S. market opportunity for Imagify exceeds \$2 billion. Imagify and the Company's other product candidates were created using proprietary technology that enables Acusphere to control the porosity and size of nanoparticles and microspheres in a versatile manner that allows them to be customized to address the delivery needs of a variety of drugs. For more information about Acusphere visit the Company's web site at www.acusphere.com. "Acusphere" and "Imagify" are trademarks of Acusphere, Inc.

Forward-looking Statements

The above press release contains forward-looking statements which are made pursuant to the safe harbor provisions of Section 21E of the Securities Exchange Act of 1934, including statements regarding, the efficacy, safety and tolerability of Imagify, the NDA submission for Imagify and likelihood of regulatory approval, the commercial opportunity for Imagify, manufacturing qualification, the commercial opportunity for other product candidate and other business development efforts, including partnership discussions. There can be no assurance that Imagify will be approved for the indication the Company is seeking, or at all. There can be no assurance that partnership discussions will result in an agreement. The Company's actual results may differ materially from those anticipated in these forward-looking statements based upon a number of factors, including anticipated operating losses and existing capital obligations, uncertainties associated with research, development, testing and related regulatory approvals, including uncertainties regarding regulatory evaluation of the Company's statistical analysis plan and clinical trial results and uncertainties regarding the potential effects of not achieving clinical endpoints, limited time to date for the Company to review the details of the clinical trial results, future capital needs and uncertainty of additional financing, uncertainties regarding the cost, timing and ultimate success of the qualification of the Company's commercial manufacturing facility in accordance with applicable regulatory requirements, complex manufacturing, high quality

requirements, lack of commercial manufacturing experience, dependence on third-party manufacturers, suppliers and collaborators, uncertainties associated with intellectual property, competition, loss of key personnel, uncertainties associated with market acceptance and adequacy of reimbursement, technological change and government regulation, and other risks and challenges detailed in the Company's filings with the U.S. Securities and Exchange Commission, including the Company's Annual Report on Form 10-K for the year ended December 31, 2007 and its Form 10-Q for the quarter ended June 30, 2008. Readers are cautioned not to place undue reliance on any forward-looking statements, which speak only as of the date of this press release. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements that may be made to reflect events or circumstances that occur after the date of this press release or to reflect the occurrence of unanticipated events.

SOURCE: Acusphere, Inc.

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