

FOR IMMEDIATE RELEASE

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Repligen Receives U.S. Fast Track Designation and European Orphan Medicinal Product Recommendation for RG3039 for Spinal Muscular Atrophy

WALTHAM, MA – June 23, 2011 – Repligen Corporation (NASDAQ: RGEN) announced today that the U.S. Food and Drug Administration (FDA) has granted Fast Track designation for RG3039, a potential treatment for Spinal Muscular Atrophy (SMA). Fast Track is a process designed to facilitate the development and expedite the review of drugs that treat serious diseases and fill an unmet medical need. Once a drug receives Fast Track designation, frequent communication between the FDA and the sponsor is encouraged throughout the development and review process. In addition, RG3039 has received a positive opinion for orphan medicinal product designation from the European Medicines Agency. European orphan medicinal product designation aims to encourage the development of drugs involved in the diagnosis, prevention or treatment of a life-threatening or chronically debilitating condition that affects no more than five in 10,000 persons in the European Union.

“Receipt of Fast Track designation and a positive opinion for European orphan medicinal product designation for RG3039 demonstrates the FDA and EMA commitment to the study and development of treatments for rare and serious diseases,” stated Walter C. Herlihy, President and Chief Executive Officer of Repligen Corporation. “This regulatory support adds momentum to our efforts to develop a novel treatment for patients with Spinal Muscular Atrophy.”

Repligen has received approval from the FDA to initiate a Phase 1 clinical trial of RG3039, the first clinical trial of a novel drug specifically designed to treat SMA and the first treatment approach which seeks to increase levels of the deficient protein SMN. This is a double-blind study to evaluate the pharmacokinetic and safety profile of escalating doses of RG3039 in up to 40 healthy volunteers. Repligen’s ongoing research efforts are funded in part with grants from the Muscular Dystrophy Association.

This program was licensed in 2009 from Families of Spinal Muscular Atrophy. Families of SMA fully funded and directed the preclinical development work with an investment of more than \$13 million prior to licensing RG3039 to Repligen. Families of SMA previously secured U.S. Orphan Drug Designation for RG3039, providing important regulatory and marketing incentives for the program. The work led by Families of SMA was the very first drug development program ever done for SMA.

About Spinal Muscular Atrophy and RG3039

SMA is an inherited neurodegenerative disease in which a defect in the SMN1 (“survival motor neuron”) gene results in low levels of the protein SMN and leads to progressive damage to motor neurons, loss of muscle function and, in many patients, early death. Patients lacking a functional SMN1 gene survive only because humans carry a second gene called SMN2 which produces low

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levels of SMN protein. RG3039, an orally bioavailable compound, is an inhibitor of an RNA processing enzyme which targets SMN2 and has been shown to increase production of SMN protein in cells derived from patients. In addition, RG3039 has been shown to improve mobility and lifespan in preclinical animal models of SMA. RG3039 is a new chemical entity, which is the subject of worldwide composition of matter patent applications which, if allowed, will remain in force until 2028 prior to any patent term extensions. The prevalence of SMA in the U.S. and Europe is approximately 20,000 patients and there is currently no treatment or cure for the disease.

About Families of Spinal Muscular Atrophy

Families of SMA is a nonprofit 501(c)3 tax exempt organization with 30 Chapters throughout the United States and over 70,000 members and supporters. Families of SMA funds and directs the leading SMA research programs. The successful results and progress from basic research to drug discovery programs to clinical trials provide real hope for families and patients. Families of SMA is dedicated to creating a treatment and cure by: funding and advancing a comprehensive research program; supporting SMA families through networking, information and services; improving care for all SMA patients; educating healthcare professionals and the public about SMA; enlisting government support for SMA; embracing all touched by SMA in a caring community. FSMA's vision is a world where Spinal Muscular Atrophy is treatable and curable. For more information: www.curesma.org.

About the Muscular Dystrophy Association

The Muscular Dystrophy Association ([MDA](http://www.mda.org)) is the leading nonprofit health agency dedicated to curing muscular dystrophy, ALS, SMA and related diseases by funding worldwide research. The Association also provides comprehensive healthcare and support services, advocacy and education. In addition to funding more than 300 research projects worldwide, MDA maintains a national network of some 200 hospital-affiliated clinics; orchestrates hundreds of support groups for families affected by neuromuscular diseases; facilitates extraordinary local summer camp opportunities for thousands of youngsters fighting progressive muscle diseases. Known globally for the MDA Labor Day Telethon, the Association is the first nonprofit organization to receive a Lifetime Achievement Award from the American Medical Association "for significant and lasting contributions to the health and welfare of humanity."

About Repligen Corporation

Repligen Corporation is a biopharmaceutical company focused on building an integrated company by developing and marketing innovative drugs that deliver the benefits of protein therapies in the fields of neurology and gastroenterology. We have a core competency in the development and manufacturing of biologics products, which is the basis for our bioprocessing business and we have out-licensed certain biologics intellectual property, which provide ongoing sources of revenue. Repligen's corporate headquarters are located at 41 Seyon Street, Building #1, Suite 100, Waltham, MA 02453. Additional information may be requested at www.repligen.com.

This press release contains forward-looking statements which are made pursuant to the safe harbor provisions of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. The forward-looking statements in this release do not constitute guarantees of future performance. Investors are cautioned that statements in this press release which are not strictly historical statements, including, without limitation, statements regarding future financial performance and position, management's strategy, plans and objectives for future operations, plans and objectives for product development, plans and objectives for present and future clinical trials and results of such trials, plans and objectives for regulatory approval, litigation, intellectual property protection, product development, manufacturing plans and performance, projected changes in the size of our markets, our market share and product sales and other statements identified by words like "believe," "expect," "may," "will," "should," "seek," or "could" and similar expressions, constitute forward-looking statements. Such forward-looking statements are subject to a number of risks and uncertainties that could cause actual results to differ materially from those anticipated, including, without limitation, risks associated with: the success of our clinical trials; our ability to develop and commercialize products; our ability to obtain required regulatory approvals; the success of current and future collaborative relationships; the market acceptance of our products; our ability to compete with larger, better financed pharmaceutical and biotechnology companies; new approaches to the treatment of our targeted diseases; our expectation of incurring continued losses; our uncertainty of product revenues and profits; our ability to generate future revenues; our ability to raise additional capital to continue our drug development programs; our compliance with all Food and Drug Administration regulations; our ability to obtain, maintain and protect intellectual property rights for our products; the risk of litigation regarding our intellectual property rights; our limited sales and manufacturing capabilities; our dependence on third-party manufacturers and value added resellers; our ability to hire and retain skilled personnel; our volatile stock price; and other risks detailed in Repligen's annual report on Form 10-K on file with the Securities and Exchange Commission and the other reports that Repligen periodically files with the Securities and Exchange Commission. Actual results may differ materially from those Repligen contemplated by these forward-looking statements. These forward looking statements reflect management's current views and Repligen does not undertake to update any of these forward-looking statements to reflect a change in its views or events or circumstances that occur after the date hereof except as required by law.