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FOR IMMEDIATE RELEASE

VERENIUM AND ALFA LAVAL ANNOUNCE COLLABORATION ON PURIFINE® PLC ENZYME

-- Focus on providing complete solution for enhancing edible oil and biodiesel processing --

CAMBRIDGE, Mass, March 24, 2009 – Verenium Corporation (NASDAQ: VRNM), a pioneer in the development of high-performance specialty enzymes and next-generation cellulosic ethanol, today announced it has signed an agreement with Alfa Laval, a leading global provider of heat transfer, separation and fluid handling technologies, to jointly market enzymatic degumming of vegetable oils using Verenium's Purifine PLC enzyme and Alfa Laval's engineering services and equipment. Purifine enzymatic degumming is a novel process that significantly increases yields in edible oil production and can have additional benefits in refining the Purifine-degummed oil. Use of Purifine enzymatic degumming also enhances yields of biodiesel from crude oil.

Under the terms of the agreement, Alfa Laval is able to market Purifine enzymatic degumming packaged with their process engineering equipment and services to customers processing vegetable oils for edible and biodiesel use. As part of the agreement, Verenium will support Alfa Laval's marketing efforts and recommend their engineering services to target customers. Verenium maintains the right to conduct independent marketing and sales activities.

"Verenium is pleased to be working with Alfa Laval to expand Purifine's global market penetration in the edible oil industry," said Janet Roemer, Verenium's Executive Vice President, Specialty Enzymes Business. "Together, our companies offer a comprehensive solution to increase efficiencies in edible oil and biodiesel production. Customers implementing Purifine enzymatic degumming through Alfa Laval have the security of process performance guarantees from a highly reputable, leading-edge engineering services company with proven technology and know-how in the edible-oils and biofuels industries."

"Alfa Laval welcomes the collaboration with Verenium to bring leading edge enzyme technology to customers in the edible oil and biodiesel industries," said Bent Sarup, General Manager for Alfa Laval's Edible Oil Technology Business. "Use of the unique Purifine enzyme in combination with Alfa Laval's equipment and plant design experience will enable customers to make significant steps to improve oil yields and separation efficiencies, thus fitting well with Alfa Laval's corporate mission of optimizing our customer's processes time and time again."

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About Purifine

Verenium's patented and novel Purifine enzyme facilitates improved operating efficiency and reduction in byproducts by allowing a higher percentage of the crude vegetable oil extracted from seeds to be recovered and converted into edible oil or biodiesel. In conventional processing phospholipid impurities are removed as emulsified gums with an associated oil yield loss. Purifine enzyme works by reacting with the phospholipids releasing both the oil entrained in the gum and the oil-component of the phospholipids. Compared to other degumming methods, oil yield losses are reduced by up to 75% using Purifine enzymatic degumming, depending on the phospholipid content of the oil. Purifine PLC also offers significant benefits to the refining process by improving operating efficiency, and reducing the need for harsh chemicals and other processing aids.

About Verenium

Verenium Corporation is a leader in the development and commercialization of cellulosic ethanol, an environmentally-friendly and renewable transportation fuel, as well as high-performance specialty enzymes for applications within the biofuels, industrial, and animal health markets. The Company possesses integrated, end-to-end capabilities and cutting-edge technology in pre-treatment, novel enzyme development, fermentation and project development for next-generation biofuels. Through a joint venture with BP, the Company is moving rapidly to commercialize its proprietary technology for the production of ethanol from a wide array of non-food feedstocks, including dedicated energy crops, agricultural waste, and wood products. In addition to the vast potential for biofuels, a multitude of large-scale industrial opportunities exist for the Company for products derived from the production of low-cost, biomass-derived sugars.

Verenium's Specialty Enzyme business harnesses the power of enzymes to create a broad range of specialty products to meet high-value commercial needs. Verenium's world class R&D organization is renowned for its capabilities in the rapid screening, identification, and expression of enzymes-proteins that act as the catalysts of biochemical reactions. For more information on Verenium, visit <http://www.verenium.com>.

About Alfa Laval

Alfa Laval is a leading global provider of specialized products and engineering solutions based on its key technologies of heat transfer, separation and fluid handling. The company's equipment, systems and services are dedicated to assisting customers in optimizing the performance of their processes. The solutions help them to heat, cool, separate and transport products in industries that produce food and beverages, chemicals and petrochemicals, pharmaceuticals, starch, sugar and ethanol.

Alfa Laval's products are also used in power plants, aboard ships, in the mechanical engineering industry, in the mining industry and for wastewater treatment, as well as for comfort climate and refrigeration applications. Alfa Laval's worldwide organization works closely with customers in nearly 100 countries to help them stay ahead in the global arena. For further information on Alfa Laval, visit <http://www.alfalaval.com>

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Forward Looking Statements

Statements in this press release that are not strictly historical are "forward-looking" and involve a high degree of risk and uncertainty. These include statements related to the Company's operations, capabilities, commercialization activities, target markets and cellulosic ethanol facilities, all of which are prospective. Such statements are only predictions, and actual events or results may differ materially from those projected in such forward-looking statements. Factors that could cause or contribute to the differences include, but are not limited to, risks associated with Verenium's new and uncertain technologies, risks associated with the costs, labor requirements and labor availability associated with Verenium's demonstration plant, risks associated with Verenium's ability to obtain additional capital to support its planned operations, risks associated with Verenium's dependence on patents and proprietary rights, risks associated with Verenium's protection and enforcement of its patents and proprietary rights, technological, regulatory, competitive and other risks related to development, production, and commercialization of cellulosic ethanol and other biofuels and the commercial prospects of those industries, Verenium's dependence on existing collaboration, manufacturing, and/or license agreements, and its ability to achieve milestones under existing and future collaboration agreements, the ability of Verenium and its partners to commercialize products (including by obtaining any required regulatory approvals) using Verenium's technologies and timing for launching any commercialized products, the ability of Verenium and its collaborators to market and sell any products that it or they commercialize, the development or availability of competitive products or technologies, the future ability of Verenium to enter into and/or maintain collaboration and joint venture agreements and licenses, changes in the U.S. or global energy markets and laws and regulations applicable to them, and risks and other uncertainties more fully described in the Company's filings with the Securities and Exchange Commission, including, but not limited to, the Company's annual report on Form 10-K for the year ended December 31, 2008. These forward-looking statements speak only as of the date hereof. The Company expressly disclaims any intent or obligation to update these forward-looking statements.

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