

November 10, 2014



Matinas Biopharma Receives Notice of Allowance of U.S. Patent for MAT9001

Patent Expected to be Issued Before the End of 2014

BEDMINSTER, N.J., Nov. 10, 2014 (GLOBE NEWSWIRE) --[Matinas BioPharma Holdings, Inc.](#) ("Matinas BioPharma" or the "Company") (OTCQB:MTNB), an emerging biopharmaceutical company focused on the development and commercialization of omega-3 fatty acid-based prescription therapeutics for the treatment of cardiovascular and metabolic conditions, today announced it received a Notice of Allowance from the U.S. Patent and Trademark Office ("USPTO") for U.S. Patent Application Serial No. 14/101,165 entitled, "Methods of Administering Compositions Comprising Docosapentaenoic Acid." Upon issuance, the patent will provide intellectual property protection through 2033.

The allowed patent claims cover the Company's proprietary methods related to reducing triglyceride levels by administering a pharmaceutical composition comprising omega-3 docosapentaenoic acid (DPA) to patients.

Roelof Rongen, President and Chief Executive Officer of Matinas BioPharma, commented, "The patent allowance for our proprietary omega-3 DPA composition related to our lead product candidate MAT9001 represents a significant achievement for Matinas BioPharma. The timing of this allowance is ideal as we prepare to commence our Phase 3 registration program of [MAT9001](#) in 2015."

Jerome D. Jabbour, Chief Business Officer and General Counsel of Matinas BioPharma, added, "Establishing a robust patent estate is one of the Company's strategic imperatives. The issuance of this patent will further strengthen our protection in the United States for MAT9001 and is a clear example of our ongoing efforts and commitment to solidifying a comprehensive intellectual property portfolio for our development programs."

The USPTO issues a Notice of Allowance after it makes a determination that a claimed invention is novel and nonobvious in light of all known technology in existence, and that a patent should be granted from such an application. Based on the timing of this Notice of Allowance, Matinas BioPharma expects the forthcoming DPA patent to be issued by the end of 2014.

About MAT9001

[MAT9001](#) is a proprietary prescription-only omega-3 fatty acid-based composition, comprising docosa-pentaenoic acid (DPA) and other omega-3 fatty acids, which is under development for therapeutic applications with severe hypertriglyceridemia (TG>500 mg/dL) as the lead indication. Promising pre-clinical studies with DPA and MAT9001 indicate distinctive therapeutic response properties. The Company has recently filed an IND for

MAT9001 and is preparing to initiate its first human study in the fourth quarter of 2014. The Company believes that its development program and related clinical investigations may yield an improved therapeutic profile compared to existing therapies, based on MAT9001's differentiating mechanistic features associated with its unique composition.

About Matinas BioPharma

Matinas BioPharma is a development stage biopharmaceutical company, founded in 2011, with a focus on identifying and developing novel pharmaceutical products for the treatment of abnormalities in blood lipids, referred to as dyslipidemia, and the treatment of cardiovascular and metabolic diseases. Led by an experienced management team and a board of directors with a history of building pharmaceutical companies, Matinas is focused on creating the next generation of omega-3-fatty-acid-based pharmaceutical products. Our lead product, MAT9001, which takes advantage of advancements in the field of lipidomics, has been specifically designed and formulated for therapeutic applications in the dyslipidemia field. For more information, please visit www.matinasbiopharma.com and connect with the Company on [Twitter](#), [LinkedIn](#), [Facebook](#), and [Google+](#).

Forward Looking Statements: *This release contains "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995, including those relating to the Company's product development, clinical and regulatory timelines, market opportunity, cash flow and other statements that are predictive in nature, that depend upon or refer to future events or conditions. All statements other than statements of historical fact are statements that could be forward-looking statements. Forward-looking statements include words such as "expects," "anticipates," "intends," "plans," "could", "believes," "estimates" and similar expressions. These statements involve known and unknown risks, uncertainties and other factors which may cause actual results to be materially different from any future results expressed or implied by the forward-looking statements. Forward-looking statements are subject to a number of risks and uncertainties, including, but not limited to, our ability to successfully complete research and further development and commercialization of MAT9001; our ability to obtain additional capital to meet our liquidity needs on acceptable terms, or at all, including the additional capital which will be necessary to complete the clinical trials for MAT9001; the uncertainties inherent in clinical testing; the timing, cost and uncertainty of obtaining regulatory approvals; our ability to protect the Company's intellectual property; the loss of any executive officers or key personnel or consultants; competition; changes in the regulatory landscape or the imposition of regulations that affect the Company's products; and the other factors listed under "Risk Factors" in our filings with the SEC, including Forms 10-K, 10-Q and 8-K. Prospective investors are cautioned not to place undue reliance on such forward-looking statements, which speak only as of the date of this release. Except as may be required by law, the Company does not undertake any obligation to release publicly any revisions to such forward-looking statement to reflect events or circumstances after the date hereof or to reflect the occurrence of unanticipated events. Matinas BioPharma's lead product candidate MAT9001 is in a development stage and is not available for sale or use.*

CONTACT: Investor and Media Contact
Jenene Thomas
Investor Relations and Corporate Communications Advisor
Jenene Thomas Communications, LLC
Phone: +1 (908) 938-1475
Email: jthomas@matinasbiopharma.com

Source: Matinas BioPharma Holdings, Inc.