



Altamira Therapeutics Announces European Patent Office Decision to Grant for Patent Application Covering Intranasal Betahistine

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November 10, 2023 -- Altamira Therapeutics Ltd. ("Altamira" or the "Company") (Nasdaq:CYTO), a company dedicated to developing therapeutics that address important unmet medical needs, today announced that it has received an "Intention to Grant" notice from the European Patent Office (EPO) for its patent application titled "Intranasal Composition Comprising Betahistine" (designated as European Patent 3698791).

The application is a continuation of the previously granted European Patent 3474850 and upon issuance, is expected to remain valid until February 2038. Combined, these two patents will provide key intellectual property protection for the Company's intranasal betahistine program (AM-125) in Europe. To date, the patent has been granted in around 50 countries worldwide, including key markets in North America and Europe. The allowed claims cover the composition of matter and methods of use for formulations of betahistine dihydrochloride for intranasal delivery.

"We are very pleased with the continued expansion of our patent portfolio covering the intranasal betahistine program," commented Thomas Meyer, Altamira Therapeutics' founder, Chairman and CEO. "Securing our intellectual property is pivotal as we strategically position our Company around our RNA delivery platform. With considerable interest from various parties, we anticipate collaborating with the appropriate partners to bring the AM-125 program to patients worldwide who are suffering from dizziness."

About Betahistine

Betahistine, a small molecule structural analog of histamine, acts as an agonist at the H1 histamine receptor and as an antagonist at the H3 histamine receptor. Unlike histamine, it crosses the blood-brain-barrier. Betahistine is known to increase the release of histamine, acetylcholine, dopamine and norepinephrine in the brain. It increases cochlear, vestibular and cerebral blood flow and facilitates vestibular compensation and inhibits neuronal firing in the vestibular nuclei. Betahistine for oral administration is approved in about 115 countries (with the U.S. being a notable exception) for the treatment of vertigo and Meniere's disease. Despite its good safety profile, the clinical utility of orally administered Betahistine is limited due to poor bioavailability.

About AM-125

AM-125 is an intranasal formulation of betahistine. Because of its ability to circumvent first-pass metabolism, AM-125 has been shown to have 5-to-29 times higher bioavailability than orally administered betahistine. Altamira is developing AM-125 for the treatment of acute vestibular syndrome which may be triggered by a variety of causes including trauma, infection, or inner ear fluid disturbances. With its incidence and prevalence increasing with age, vestibular dysfunction affects more than one third of the U.S. population 40 years of age and older.

About Altamira Therapeutics

Altamira (Nasdaq:CYTO) is dedicated to developing RNA-based therapeutics for extrahepatic targets (OligoPhore™ / SemaPhore™ delivery platforms). The Company currently has two flagship siRNA programs in preclinical development beyond in vivo proof of concept: AM-401 for KRAS driven cancer and AM-411 for rheumatoid arthritis. The versatile delivery platform is also suited for mRNA and other types of RNA therapeutics and is planned to be leveraged via out-licensing to pharma or biotech companies. In addition, Altamira is in the process of divesting and/or out-licensing its legacy assets in allergology and viral infection (Bentrio® OTC nasal spray; commercial) and inner ear therapeutics (AM-125 nasal spray for vertigo; post Phase 2; Keyzilen® and Sonuvi® for tinnitus and hearing loss; Phase 3). Founded in 2003, Altamira is headquartered in Hamilton, Bermuda, with its main operations in Basel, Switzerland. For more information, visit: <https://altamiratherapeutics.com/>

Forward-Looking Statements

This press release may contain statements that constitute "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Forward-looking statements are statements other than historical facts and may include statements that address future operating, financial or business performance or Altamira's strategies or expectations. In some cases, you can identify these statements by forward-looking words such as "may", "might", "will", "should", "expects", "plans", "anticipates", "believes", "estimates", "predicts", "projects", "potential", "outlook" or "continue", or the negative of these terms or other comparable terminology. Forward-looking statements are based on management's current expectations and beliefs and involve significant risks and uncertainties that could cause actual results, developments and business decisions to differ materially from those contemplated by these statements. These risks and uncertainties include, but are not limited to, the success of the continued commercialization of Bentrio and success of strategic transactions, including licensing or partnering, with respect to AM-125, Bentrio or any other legacy assets, Altamira's need for and ability to raise substantial additional funding to continue the development of its product candidates, the timing and conduct of clinical trials of Altamira's product candidates, the clinical utility of Altamira's product candidates, the timing or likelihood of regulatory filings and approvals, Altamira's intellectual property position and Altamira's financial position, including the impact of any future acquisitions, dispositions, partnerships, license transactions or changes to Altamira's capital structure, including future securities offerings. These risks and uncertainties also include, but are not limited to, those described under the caption "Risk Factors" in Altamira's Annual Report on Form 20-F for the year ended December 31, 2022, and in Altamira's other filings with the Securities Exchange Commission ("SEC"), which are available free of charge on the SEC's website at: www.sec.gov. Should one or more of these risks or uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those indicated. All forward-looking statements and all subsequent written and oral forward-looking statements attributable to Altamira or to persons acting on behalf of Altamira are expressly qualified in their entirety by reference to these risks and uncertainties. You should not place undue reliance on forward-looking statements. Forward-looking statements speak only as of the date they are made, and Altamira does not undertake any obligation to update them in light of new information, future developments or otherwise, except as may be required under applicable law.

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