
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

FORM 6-K

**REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES
EXCHANGE ACT OF 1934**

For the month of May 2024

Commission File Number: **001-39777**

Nanobiotix S.A.

(Translation of registrant's name into English)

60 Rue de Wattignies 75012 Paris, France

(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.
Form 20-F Form 40-F

On May 28, 2024, the Registrant issued a press release, a copy of which is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

[\(c\) Exhibit 99.1. Press release dated May 28, 2024](#)

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Nanobiotix S.A.

(Registrant)

Date: May 28, 2024

/s/ Bart Van Rhijn

Bart Van Rhijn
Chief Financial Officer

NANOBIOTIX Announces Presentation of new Data From Phase 1 Immunotherapy Program at the 2024 Annual Meeting of the American Society for Clinical Oncology Followed by an Investor Conference Call

- New data from the completed dose escalation part and ongoing expansion part of Study 1100, an ongoing US Phase 1 study evaluating NBTXR3 followed by anti-PD-1 in patients with recurrent or metastatic head and neck cancer (n=68) to be presented by Coordinating Investigator Colette Shen, MD, PhD, at ASCO 2024
- Following the ASCO presentation, Nanobiotix will host an investor event on Sunday, June 2nd at 12:00 PM EDT / 6:00 PM CEST to review the presented results

PARIS and CAMBRIDGE, Mass., May 28, 2024 (GLOBE NEWSWIRE) -- NANOBIOTIX (Euronext: NANO — NASDAQ: NBTX – the “**Company**”), a late-clinical stage biotechnology company pioneering nanoparticle-based therapeutic approaches to expand treatment possibilities for patients with cancer and other major diseases, today announced the presentation of updated data from the completed dose escalation part and first data from the ongoing expansion part of Study 1100, a US Phase 1 study evaluating NBTXR3 followed by anti-PD-1 in patients with recurrent or metastatic head and neck cancer (n=68) at the 2024 Annual Meeting of the American Society for Clinical Oncology. The data will be presented by Study 1100 Coordinating Investigator Colette Shen, MD, PhD, during a poster presentation session that begins at 10:00 AM EDT / 4:00 PM CEST on Sunday, June 2nd, 2024.

ABSTRACT #6035: Early signs of efficacy in patients with anti-PD-1 naïve (n=33) and anti-PD-1 resistant (n=35) HNSCC treated with NBTXR3/SBRT in combination with nivolumab and pembrolizumab in the phase 1 trial Study 1100

Colette Shen¹, Jessica Frakes², Trevor Hackman¹, Jiaxin Niu³, Jared Weiss¹, Jimmy Caudell², George Yang², Tanguy Seiwert⁴, Paul Chang⁵, Septimiu Murgu⁵, Siddharth Sheth¹, Shetal Patel¹, Kedar Kirtane², David Rolando⁶, Pavel Tyan⁶, Omar I. Vivar⁶, Zhen Gooi⁵, Aditya Joolori⁵, Ari Rosenberg⁵

Nanobiotix Investor Call

Nanobiotix will host a conference call and webcast featuring Nanobiotix chief executive officer and chairman of the executive board, Laurent Levy, following the poster session on Sunday June 2nd, 2024, at 12:00 PM EDT / 6:00 PM CEST.

Details for the call are as follows:

Audio-only dial-in link: [click here](#)

Webcast link: [click here](#)

Participants can use the audio-only link above to register and obtain dial-in instructions to listen to the presentation via phone and ask questions during the Q&A session, or participants can use the webcast link to register and listen and watch the slide presentation online; the replay version will be available under the same webcast link shortly after the presentation and will be archived on the Company’s website at www.nanobiotix.com. It is recommended to join 10 minutes prior to the event start. Participants are invited to email their questions in advance to investors@nanobiotix.com.

¹University of North Carolina School of Medicine, Chapel Hill, North Carolina, USA; ²Moffitt Cancer Center, Tampa, Florida, USA; ³Banner MD Anderson Cancer Center, Gilbert, Arizona, USA; ⁴Johns Hopkins Medicine, Baltimore, Maryland, USA; ⁵The University of Chicago, Chicago, Illinois, USA; ⁶Nanobiotix, SA, Paris, France

About NBTXR3

NBTXR3 is a novel, potentially first-in-class oncology product composed of functionalized hafnium oxide nanoparticles that is administered via one-time intratumoral injection and activated by radiotherapy. Its proof-of-concept was achieved in soft tissue sarcomas for which the product received a European CE mark in 2019. The product candidate’s physical mechanism of action (MoA) is designed to induce significant tumor cell death in the injected tumor when activated by radiotherapy, subsequently triggering adaptive immune response and long-term anti-cancer memory. Given the physical MoA, Nanobiotix believes that NBTXR3 could be scalable across any solid tumor that can be treated with radiotherapy and across any therapeutic combination, particularly immune checkpoint inhibitors.

Radiotherapy-activated NBTXR3 is being evaluated across multiple solid tumor indications as a single agent or in combination with anti-PD-1 immune checkpoint inhibitors, including in NANORAY-312—a global, randomized Phase 3 study in locally advanced head and neck squamous cell cancers. In February 2020, the United States Food and Drug Administration granted regulatory Fast Track designation for the investigation of NBTXR3 activated by radiation therapy, with or without cetuximab, for the treatment of patients with locally advanced HNSCC who are not eligible for platinum-based chemotherapy—the same population being evaluated in the Phase 3 study.

Given the Company’s focus areas, and balanced against the scalable potential of NBTXR3, Nanobiotix has engaged in a collaboration strategy to expand development of the product candidate in parallel with its priority development pathways.

Pursuant to this strategy, in 2019 Nanobiotix entered into a broad, comprehensive clinical research collaboration with The University of Texas MD Anderson Cancer Center to sponsor several Phase 1 and Phase 2 studies evaluating NBTXR3 across tumor types and therapeutic combinations. In 2023, Nanobiotix announced a license agreement for the global co-development and commercialization of NBTXR3 with Janssen Pharmaceutica NV.

About NANOBOTIX

Nanobiotix is a late-stage clinical biotechnology company pioneering disruptive, physics-based therapeutic approaches to revolutionize treatment outcomes for millions of patients; supported by people committed to making a difference for humanity. The Company's philosophy is rooted in the concept of pushing past the boundaries of what is known to expand possibilities for human life.

Incorporated in 2003, Nanobiotix is headquartered in Paris, France and is listed on Euronext Paris since 2012 and on the Nasdaq Global Select Market in New York City since December 2020. The Company has subsidiaries in Cambridge, Massachusetts (United States) amongst other locations.

Nanobiotix is the owner of more than 25 patent families associated with three (3) nanotechnology platforms with applications in 1) oncology; 2) bioavailability and biodistribution; and 3) disorders of the central nervous system.

For more information about Nanobiotix, visit us at www.nanobiotix.com or follow us on LinkedIn and Twitter.

Disclaimer

This press release contains "forward-looking" statements within the meaning of the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995, including, but not limited to, statements regarding the use of proceeds therefrom, and the period of time through which the Company anticipates its financial resources will be adequate to support operations. Words such as "expects", "intends", "can", "could", "may", "might", "plan", "potential", "should" and "will" or the negative of these and similar expressions are intended to identify forward-looking statements. These forward-looking statements, which are based on our management's current expectations and assumptions and on information currently available to management. These forward-looking statements involve known and unknown risks, uncertainties and other factors that could cause actual results to differ materially from those implied by the forward-looking statements, including risks related to Nanobiotix's business and financial performance, which include the risk that assumptions underlying the Company's cash runway projections are not realized. Further information on the risk factors that may affect company business and financial performance is included in Nanobiotix's Annual Report on Form 20-F filed with the SEC on April 24, 2024 under "Item 3.D. Risk Factors", in Nanobiotix's 2023 universal registration document filed with the AMF on April 24, 2024 and subsequent filings Nanobiotix makes with the SEC from time to time which are available on the SEC's website at www.sec.gov. The forward-looking statements included in this press release speak only as of the date of this press release, and except as required by law, Nanobiotix assumes no obligation to update these forward-looking statements publicly.

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Attachment

- 2024-05-28 -- NBTX -- New Ph1 NBTXR3 Data @ ASCO --
FINAL (<https://ml.globenewswire.com/Resource/Download/ed098546-041e-4220-a1ca-ab87eed63453>)