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 June 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 [X] Form 40-F []

On June 12, 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 June 12, 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: June 12, 2024

/s/ Bart Van Rhijn Bart Van Rhijn Chief Financial Officer

NANOBIOTIX to Host Virtual KOL Event Discussing Potential of NBTXR3 Combined With Immunotherapy in Head and Neck Cancer and Beyond on June 18, 2024

PARIS and CAMBRIDGE, Mass., June 12, 2024 (GLOBE NEWSWIRE) -- NANOBIOTIX (Euronext: NANO — NASDAQ: NBTX – the "Company"), a late-clinical stage biotechnology company pioneering physics-based approaches to expand treatment possibilities for patients with cancer, today announced that it will host a virtual KOL (Key Opinion Leader) event Tuesday June 18, 2024 at 9:00-10:30AM EDT / 3:00-4:30PM CEST.

The event will feature several KOLs, including Study 1100 Coordinating Investigators Dr Colette Shen, MD, PhD and Dr Ari Rosenberg, MD, and Dr Jeffrey Bockman, PhD, will moderate the event. The KOLs will join Dr Sebastien Paris, PhD, from the Company to provide an in-depth review of NBTXR3 and the data recently presented at the 2024 Annual Meeting of American Society for Clinical Oncology (ASCO), showing disease control and tumor response in patients treated with radiotherapy-activated NBTXR3 followed by anti-PD-1 for 2nd line or further in patients with recurrent or metastatic head and neck squamous cell carcinoma naïve or resistant to prior anti-PD-1 therapy.

Nanobiotix KOL Call to Discuss the Role of NBTXR3 and Immune Oncology in Advancing Head & Neck Cancer

Topics will include:

- NBTXR3's mechanisms of action
- NBTXR3's local and systemic response
- How head and neck cancer patients present and are treated in this setting; unmet needs
- NBTXR3 in recurrent/metastatic head and neck cancer, the 1100 study

Participants can click here to register and watch the 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 start of the event. Participants are invited to email their questions in advance to investors@nanobiotix.com.

About NANOBIOTIX

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 proceed therefrom, and the period of time through which the Company's 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.

Contacts

Nanobiotix

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Attachment

• 2024-06-12 -- NBTX -- Hosting KOL Event -- FINAL (https://ml.globenewswire.com/Resource/Download/2ca1eb48-ae4e-43f4-8eb5-02607be7b96a)