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 September 2020

001-36203 (Commission File Number)

CAN-FITE BIOPHARMA LTD.

(Exact name of Registrant as specified in its charter)

10 Bareket Street Kiryat Matalon, P.O. Box 7537 Petach-Tikva 4951778, Israel (Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.
Form 20-F ☑ Form 40-F □
Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):
Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

On September 30, 2020, Can-Fite BioPharma Ltd. (the "Company") issued a press release announcing that the Scientific Program Committee of the American Association for the Study of Liver Diseases (AASLD) has selected the Company's late-breaking abstract for oral presentation at The Liver Meeting Digital ExperienceTM 2020. A copy of this press release is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

Exhibit Index

Exhibit No. 99.1 Description

Press Release dated September 30, 2020

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.

Date: September 30, 2020 By: /s/ Pnina Fishman

Pnina Fishman Chief Executive Officer

Can-Fite Selected to Deliver Late-Breaking Oral Presentation on Namodenoson's Treatment of NASH at American Association for the Study of Liver Diseases Conference

Principal Investigator Prof. Rifaat Safadi to present Namodenoson's Phase II results at highly prestigious scientific conference for liver diseases

PETACH TIKVA, Israel, September 30, 2020 -- Can-Fite BioPharma Ltd. (NYSE American: CANF) (TASE:CFBI), a biotechnology company advancing a pipeline of proprietary small molecule drugs that address inflammatory, cancer and liver diseases, today announced the Scientific Program Committee of the American Association for the Study of Liver Diseases (AASLD) has selected Can-Fite's late-breaking abstract for oral presentation at The Liver Meeting Digital Experience™ 2020. The presentation titled, "A Phase 2, Randomized, Double-Blind, Placebo-Controlled Dose-Finding Study Of The Efficacy And Safety Of Namodenoson (CF102), An A3 Adenosine Receptor (A3AR) Agonist, In Treating Non-Alcoholic Fatty Liver Disease (NAFLD) And Non-Alcoholic Steatohepatitis (NASH)" will be delivered on Sunday, November 15, 2020, by the Principal Investigator of the Phase II study, Dr. Rifaat Safadi, Head of the Liver Unit, Gastroenterology and Liver Diseases, Division of Medicine at Hadassah Medical Center, Professor of Internal Medicine, Bowel, Liver Disease, and Metabolic Syndrome at Hebrew University in Israel. The AASLD's The Liver Meeting® will be held virtually on November 13 through 16, 2020.

"We are honored and pleased to be selected by the AASLD's Scientific Program Committee to present these late-breaking findings. Our Phase II data were very compelling and we look forward to Dr. Safadi sharing these results with the leading clinicians and researchers in the field of liver diseases. The pressing need for a safe and effective treatment for NAFLD and NASH underscores the importance of the scientific community advancing a treatment towards market," stated Can-Fite CEO Dr. Pnina Fishman.

Can-Fite's Phase II NAFLD/NASH study achieved its efficacy and safety endpoints in a dose dependent and statistically significant manner.

The NASH market is projected to reach at least \$35 billion by 2025. There are currently no other treatment options approved for this growing unmet need.

About Can-Fite BioPharma Ltd.

Can-Fite BioPharma Ltd. (NYSE American: CANF) (TASE: CFBI) is an advanced clinical stage drug development Company with a platform technology that is designed to address multi-billion dollar markets in the treatment of cancer, liver, inflammatory disease and COVID-19. The Company's lead drug candidate, Piclidenoson, is currently in Phase III trials for rheumatoid arthritis and psoriasis. Can-Fite's liver drug, Namodenoson, is headed into a Phase III trial for hepatocellular carcinoma (HCC), the most common form of liver cancer, and successfully achieved its primary endpoint in a Phase II trial for the treatment of non-alcoholic steatohepatitis (NASH). Namodenoson has been granted Orphan Drug Designation in the U.S. and Europe and Fast Track Designation as a second line treatment for HCC by the U.S. Food and Drug Administration. Namodenoson has also shown proof of concept to potentially treat other cancers including colon, prostate, and melanoma. CF602, the Company's third drug candidate, has shown efficacy in the treatment of erectile dysfunction. These drugs have an excellent safety profile with experience in over 1,500 patients in clinical studies to date. For more information please visit: www.can-fite.com.

Forward-Looking Statements

This press release may contain forward-looking statements, about Can-Fite's expectations, beliefs or intentions regarding, among other things, market risks and uncertainties, its product development efforts, business, financial condition, results of operations, strategies or prospects. In addition, from time to time, Can-Fite or its representatives have made or may make forward-looking statements, orally or in writing. Forward-looking statements can be identified by the use of forward-looking words such as "believe," "expect," "intend," "plan," "may," "should" or "anticipate" or their negatives or other variations of these words or other comparable words or by the fact that these statements do not relate strictly to historical or current matters. These forward-looking statements may be included in, but are not limited to, various filings made by Can-Fite with the U.S. Securities and Exchange Commission, press releases or oral statements made by or with the approval of one of Can-Fite's authorized executive officers. Forward-looking statements relate to anticipated or expected events, activities, trends or results as of the date they are made. Because forward-looking statements relate to matters that have not yet occurred, these statements are inherently subject to risks and uncertainties that could cause Can-Fite's actual results to differ materially from any future results expressed or implied by the forward-looking statements. Many factors could cause Can-Fite's actual activities or results to differ materially from the activities and results anticipated in such forward-looking statements. Factors that could cause our actual results to differ materially from those expressed or implied in such forward-looking statements include, but are not limited to: our history of losses and needs for additional capital to fund our operations and our inability to obtain additional capital on acceptable terms, or at all; uncertainties of cash flows and inability to meet working capital needs; the initiation, timing, progress and results of our preclinical studies, clinical trials and other product candidate development efforts; our ability to advance our product candidates into clinical trials or to successfully complete our preclinical studies or clinical trials; our receipt of regulatory approvals for our product candidates, and the timing of other regulatory filings and approvals; the clinical development, commercialization and market acceptance of our product candidates; our ability to establish and maintain strategic partnerships and other corporate collaborations; the implementation of our business model and strategic plans for our business and product candidates; the scope of protection we are able to establish and maintain for intellectual property rights covering our product candidates and our ability to operate our business without infringing the intellectual property rights of others; competitive companies, technologies and our industry; statements as to the impact of the political and security situation in Israel on our business; and risks and other risk factors detailed in Can-Fite's filings with the SEC and in its periodic filings with the TASE. In addition, Can-Fite operates in an industry sector where securities values are highly volatile and may be influenced by economic and other factors beyond its control. Can-Fite does not undertake any obligation to publicly update these forward-looking statements, whether as a result of new information, future events or otherwise.

Contact

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