
**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 **November 2022**

Commission File Number: 001-40106

4D pharma plc

(Translation of Registrant's name into English)

**5th Floor, 9 Bond Court
Leeds
LS1 2JZ
United Kingdom
Tel: +44 (0) 113 895 013**

(Address of principal executive offices)

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 ☐

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 November 10, 2022, 4D pharma plc (the “Company,” “4D,” “4D pharma,” “we,” “us” or “our”) issued a press release entitled “4D pharma Announces Two Presentations at The Society for Immunotherapy of Cancer Annual Meeting (SITC 2022)” regarding the presentation of new biomarker data from two ongoing clinical trials at the Society for Immunotherapy of Cancer’s 37th Annual Meeting.

A copy of the press release is attached as Exhibit 99.1 to this current report on Form 6-K and is incorporated by reference herein. This press release is incorporated by reference into the registration statements on Form F-3 (File No. 333-263372 and File No. 333-264419) of 4D pharma plc, filed with the U.S. Securities and Exchange Commission, to be a part thereof from the date on which this press release is submitted, to the extent not superseded by documents or reports subsequently filed or furnished.

INDEX TO EXHIBITS

Exhibit Number	Exhibit Title
99.1	Press Release, dated November 10, 2022.

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.

4D pharma plc

Date: November 15, 2022

/s/ James Clark

James Clark
Administrator

4D pharma Announces Two Presentations at The Society for Immunotherapy of Cancer Annual Meeting (SITC 2022)

Leeds, UK – November 10, 2022 - 4D pharma plc (AIM: DDDD) (in administration), a pharmaceutical company leading the development of Live Biotherapeutic products (LBPs), a novel class of drug derived from the microbiome, today presented new biomarker data from two ongoing clinical trials of its lead immuno-oncology single strain Live Biotherapeutic, MRx0518, at the at the Society for Immunotherapy of Cancer's (SITC) 37th Annual Meeting (SITC 2022), held from November 8-12, 2022. The two e-posters are available via the 4D pharma website at <https://www.4dpharmapl.com>.

“The two posters presented at the prestigious SITC 2022 event demonstrate 4D pharma’s commitment and leadership in understanding the mechanisms of action of its Live Biotherapeutic Products,” said Dr. Alex Stevenson, Chief Scientific Officer at 4D pharma. “Building on previously published clinical and biomarker results, with this new data we show how MRx0518 is able to drive meaningful clinical benefit for patients by acting on both the human immune system to overcome immunosuppression for better outcomes with immune checkpoint inhibitor therapy, and the microbiome”

One poster presentation highlights the suppressed immune state of patients who have acquired resistance to prior anti-PD-1/PD-L1 immune checkpoint inhibitors, at baseline compared to controls. Following treatment with the combination of MRx0518 and KEYTRUDA® (pembrolizumab), there is an increased expression of the activation markers HLA-DR and CD86, and a trend in reduction of myeloid cells expressing the immune checkpoint PD-L1, in responders but not non-responders. The results also identify a significant increase in circulating CD8+ T cells after treatment with the combination, in responders but not in non-responders, an immune population well known to correlate with better outcomes for immune checkpoint inhibitor treatment.

A second poster presents the first clinical microbiome and metabolome modulation data for MRx0518, building on previously reported immunomodulatory data from the same study. Following neoadjuvant treatment with MRx0518 monotherapy, there is a significant increase in the presence of MRx0518 in stool samples which then returns to baseline levels. This data supports 4D pharma’s thesis regarding the viability and pharmacokinetics of safe and effective transient colonization of its orally administered Live Biotherapeutics in the human gastrointestinal tract. In addition, the results demonstrate treatment with the single strain LBP MRx0518 is associated with significant shifts in gut microbiome composition and significant increases in short-chain fatty acid metabolites that may contribute to the anti-tumorigenic efficacy demonstrated by MRx0518

Poster presentation details are as follows:

Presentation Title: Combination of MRx0518 and anti-PD-1 overcomes checkpoint inhibitor resistance via myeloid modulation

Presenting Author: Dr. June Li, Research Scientist, Department of Translational Molecular Pathology, The University of Texas MD Anderson Cancer Center

Abstract Number: 838

Presentation Title: Oral administration of MRx0518 in treatment-naïve cancer patients is associated with compositional taxonomic and metabolomic changes indicative of anti-tumorigenic efficacy

Presenting Author: Dr. Mark P. Lythgoe, Academic Clinical Fellow in Medical Oncology and Pharmacist, Imperial College London

Abstract Number: 627

On 24 June 2022, David Pike and James Clark of Interpath Advisory were appointed as administrators of 4D pharma plc. The administrators have had no oversight of or involvement in the preparation of the SITC 2022 poster presentations nor in any materials which will be circulated in advance of or during SITC 2022. Therefore, the administrators make no statement or representation in respect of the materials shared or discussed in advance of or during SITC 2022.

About MRx0518

MRx0518 is single strain Live Biotherapeutic product in development for the treatment of cancer. It is delivered as an oral capsule and stimulates the body's immune system, directing it to produce cytokines and immune cells that are known to attack tumors. It is currently being evaluated in three clinical trials in cancer patients. MRx0518-I-001 is a neoadjuvant monotherapy study in a variety of solid tumors and is being conducted at Imperial College (London, UK). MRx0518-I-002 is in combination with KEYTRUDA (pembrolizumab) in patients who have previously progressed on anti PD-1 therapies. The Coordinating Investigator of the study is at The University of Texas MD Anderson Cancer Center, Houston, USA, with multiple additional sites in the US. The study is being conducted in collaboration with MSD, the tradename of Merck & Co., Inc., Kenilworth, NJ, USA. MRx0518-I-003 is in combination with preoperative radiotherapy in resectable pancreatic cancer. A fourth clinical trial is planned, in collaboration with Merck KGaA and Pfizer Inc., of BAVENCIO (avelumab) in combination with MRx0518 as a first-line maintenance therapy for patients with locally advanced or metastatic urothelial carcinoma that has not progressed with first-line platinum-containing chemotherapy.

About 4D pharma

4D pharma is a world leader in the development of Live Biotherapeutics, a novel and emerging class of drugs, defined by the FDA as biological products that contain a live organism, such as a bacterium, that is applicable to the prevention, treatment or cure of a disease. 4D has developed a proprietary platform, MicroRx®, that rationally identifies Live Biotherapeutics based on a deep understanding of function and mechanism.

4D pharma's Live Biotherapeutic products (LBPs) are orally delivered single strains of bacteria that are naturally found in the healthy human gut. The Company has five clinical programs, namely a Phase I/II study of MRx0518 in combination with KEYTRUDA (pembrolizumab) in solid tumors, a Phase I study of MRx0518 in a neoadjuvant setting for patients with solid tumors, a Phase I study of MRx0518 in patients with pancreatic cancer, a Phase I/II study of MRx-4DP0004 in asthma, and Blautix® in Irritable Bowel Syndrome (IBS) which has completed a successful Phase II trial. Preclinical-stage programs include candidates for CNS disease such as Parkinson's disease and other neurodegenerative conditions. The Company has a research collaboration with MSD, a tradename of Merck & Co., Inc., Kenilworth, NJ, USA, to discover and develop Live Biotherapeutics for vaccines.

For more information, refer to <https://www.4dpharmapl.com>

Contact Information:

4D pharma

4dpharma@interpathadvisory.com

Singer Capital Markets - Nominated Adviser and Joint Broker

Philip Davies / James Fischer (Corporate Finance) +44 (0)20 7496 3000
