UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): January 6, 2023

X4 PHARMACEUTICALS, INC.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation)

001-38295 (Commission File Number)

27-3181608 (IRS Employer Identification No.)

61 North Beacon Street, 4th Floor Boston, Massachusetts

02134

(Address of principal executive offices)			(Zip Code)	
		(857) 529-8300		
	(Registrant's	s telephone number, including a	rea code)	
		Not applicable		
	(Former name or	r former address, if changed sin	ce last report)	
	eck the appropriate box below if the Form 8-K filing is interlowing provisions:	nded to simultaneously satisfy the	filing obligation of the registrant under any of the	
	Soliciting material pursuant to Rule 14a-12 under the Excl Pre-commencement communications pursuant to Rule 14c	communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425) g material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12) mencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b)) mencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))		
	Securities regis	stered pursuant to Section 12(b)) of the Act:	
	Title of each class	Trading Symbol(s)	Name of each exchange on which registered	
	Common Stock, par value \$0.001 per share	XFOR	The Nasdaq Stock Market LLC	
of th f ar	licate by check mark whether the registrant is an emerging growth of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter). It is emerging growth company, indicate by check mark if the registrational accounting standards provided pursuant to Section 13(a) of the security of	Emerging growth company ☐ ant has elected not to use the extended		

Item 1.01 Entry into a Material Definitive Agreement.

On January 6, 2023, X4 Pharmaceuticals, Inc. (the "Company") and its subsidiary, X4 Therapeutics, Inc. (together with the Company, the "Borrowers"), entered into a Second Amended and Restated Loan and Security Agreement (the "Second A&R Loan Agreement") with Hercules Capital, Inc., as agent and lender, and Hercules Capital Funding IV LLC and Hercules Capital Funding Trust 2022-1, as lenders (collectively, "Hercules"), which provides for a term loan of \$32.5 million (the "Term Loan"). The Second A&R Loan Agreement amended and restated that certain Amended and Restated Loan and Security Agreement, dated as of June 27, 2019, as subsequently amended from time to time, by and among the Borrowers, Hercules Capital, Inc. and other parties thereto (the "First A&R Loan Agreement").

The Second A&R Loan Agreement does not require any scheduled amortization payments prior to October 1, 2024; provided however, if certain conditions are met, then amortization payments will not be required until January 1, 2026. The entire principal balance of the Term Loan and all accrued but unpaid interest shall be due on the maturity date, which is April 1, 2026; provided however, if certain conditions are met, the maturity date of the Term Loan will be extended to July 1, 2027. At the Company's option, the Company may prepay all, but not less than all, of the outstanding borrowings, subject to a prepayment premium of up to 3.0% of the principal amount outstanding as of the date of repayment. Pursuant to the terms of the Second A&R Loan Agreement, the Borrowers paid approximately \$1.4 million to Hercules on January 6, 2023, the Closing Date as defined in the Second A&R Loan Agreement provides for payments by the Borrowers to Hercules of (i) \$763,750 in connection with the term loans previously outstanding under the First A&R Loan Agreement, payable upon the earliest to occur of (a) July 1, 2023, (b) the date that the Borrowers prepay the outstanding under the Second A&R Loan Agreement, payable upon the earliest to occur of (a) the maturity date of the Term Loan, (b) the date that Borrower prepays the outstanding secured obligations in full, and (c) the date that the secured obligations become due and payable.

Borrowings under the Term Loan bear interest at a per annum rate equal to the greater of (i) 3.15% plus the Wall Street Journal prime rate or (ii) 10.15%. Interest payments on the Term Loan are due on a monthly basis. In an event of default and until such event is no longer continuing, the interest rate applicable to borrowings under the Second A&R Loan Agreement would be increased by 4.0%.

Borrowings under the Second A&R Loan Agreement are collateralized by substantially all of the Borrowers' personal property and other assets except for their intellectual property (but including rights to payment and proceeds from the sale, licensing or disposition of the intellectual property). Under the Second A&R Loan Agreement, the Borrowers have agreed to affirmative and negative covenants to which the Borrowers will remain subject until maturity or repayment of the Term Loan in full. Such covenants include maintaining a minimum liquidity amount of cash and cash equivalents in an aggregate amount greater than or equal to \$20.0 million or, on and after certain conditions have been met, cash and cash equivalents in an aggregate amount greater than or equal to \$10.0 million. The Borrowers' obligations under the Second A&R Loan Agreement are subject to acceleration upon occurrence of specified events of default, including payment default, insolvency and a material adverse change in the Borrowers' business, operations or financial or other condition

In addition, under the Second A&R Loan Agreement, Hercules has the right to participate, in a cumulative amount of up to \$1.0 million in the aggregate, and subject to exceptions as provided in the Second A&R Loan Agreement, in any future offering of the Company's equity securities for cash that is solely for financing purposes and is broadly marketed to multiple investors.

The foregoing description of the Second A&R Loan Agreement does not purport to be complete and is qualified in its entirety by reference to the full text of the Second A&R Loan Agreement, a copy of which will be filed as an exhibit to the Company's Annual Report on Form 10-K for the year ended December 31, 2022.

Item 2.03	Creation of a Direct Financial Obligation or an Obligation under an Off-Balance Sheet Arrangement of the Registrant.
The information set into this Item 2.03.	forth in Item 1.01 of this Current Report on Form 8-K with respect to the Second A&R Loan Agreement is incorporated by reference

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 hereunto duly authorized.

X4 PHARMACEUTICALS, INC.

Date: January 6, 2023 By: /s/ Adam Mostafa

Adam Mostafa

Chief Financial Officer