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**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 2022**

**Commission File Number: 001-40858**

**XORTX Therapeutics Inc.**

**Suite 2400 - 745 Thurlow Street, Vancouver, British Columbia, Canada, V6E 0C5**

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): \_\_\_

**Note:** Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

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): \_\_\_

**Note:** Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's "home country"), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.

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**SIGNATURE**

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.

**XORTX Therapeutics Inc.**  
(Registrant)

Date: June 13, 2022

By: /s/ Allen Davidoff  
Name: Allen Davidoff  
Title: Chief Executive Officer

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**EXHIBIT INDEX**

99.1 [Press Release dated June 13, 2022](#)

## XORTX to Present at BIO International Convention 2022

CALGARY, Alberta, June 13, 2022 (GLOBE NEWSWIRE) -- XORTX Therapeutics Inc. ("XORTX" or the "Company") (NASDAQ: XRTX | TSXV: XRTX | Frankfurt: ANU), a late stage clinical pharmaceutical company focused on developing innovative therapies to treat progressive kidney disease, is pleased to announce its participation in the BIO International Convention 2022, being held June 13<sup>th</sup> through 16<sup>th</sup>, 2022. Dr. Allen Davidoff, XORTX's CEO, will present an overview on the Company, including the Company's progress to date and planned future regulatory and clinical activities.

Dr. Allen Davidoff, CEO of XORTX stated, "We are pleased that XORTX has been accepted to present at the BIO International Convention 2022. This presentation and accompanying meetings represent an opportunity to continue outreach to pharmaceutical partners, licencing contacts and industry partners. XORTX looks forward to a busy, productive week with more than 30 scheduled meetings."

The three-day biotechnology and pharmaceutical science conference will be held at the San Diego, Convention Center. The presentation by CEO of XORTX, Dr. Allen Davidoff will take place, on Monday, June 13<sup>th</sup> at 2 pm Theater 1. The presentation will not be available by webcast.

Pharmaceutical or biotechnology partners can schedule one-on-one meetings with Dr. Allen Davidoff and Mr. Amar Keshri, by registering with BIO International and then proceeding through to the **BIO International 2022 1-on-1 meeting platform**.

XORTX continues to build a strong, experienced, capable research and development team to conduct our upcoming registration trial, including the transition of Dr. David MacDonald from Chief Technology Officer to consultant focused on regulatory and clinical operations for the Company.

### About XORTX Therapeutics Inc.

XORTX is a pharmaceutical company with two clinically advanced products in development – XRx-008 for Autosomal Dominant Polycystic Kidney Disease (ADPKD), XRx-101 for acute kidney and other acute organ injury associated with Coronavirus / COVID-19 infection and XRx-225 is a pre-clinical stage program for Type 2 Diabetic Nephropathy (T2DN). XORTX is working to advance its clinical development stage products that target aberrant purine metabolism and xanthine oxidase to decrease or inhibit production of uric acid. At XORTX, we are dedicated to developing medications to improve the quality of life and future health of patients. Additional information on XORTX is available at [www.xortx.com](http://www.xortx.com).

For further information, please contact:

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*The TSX Venture Exchange and Nasdaq have neither approved nor disapproved the contents of this news release. No stock exchange, securities commission or other regulatory authority has approved or disapproved the information contained herein.*

### Forward Looking Statements

This press release may contain express or implied forward-looking statements pursuant to Canadian and U.S. Federal securities laws. These forward-looking statements and their implications are based on the current reasonable expectations of the management of XORTX only, and are subject to a number of factors and uncertainties that could cause actual results to differ materially from those described in such forward-looking statements. Except as otherwise required by law, XORTX undertakes no obligation to publicly release any revisions or updates to these forward-looking statements to reflect events or circumstances after the date hereof or to reflect the occurrence of unanticipated events. More detailed information about the risks and uncertainties affecting XORTX is contained in the Company's most recently filed Annual Information Form and the Management Discussion and Analysis for its most recent financial reporting period filed on the Company's SEDAR profile ([www.sedar.com](http://www.sedar.com)) and under the heading "Risk Factors" in XORTX's Registration Statement on Form F-1 filed with the Securities and Exchange Commission ("SEC") available on the SEC's website, [www.sec.gov](http://www.sec.gov).