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SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

Schedule 13G  
(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1 (b), (c) AND (d) AND AMENDMENTS THERETO FILED  
PURSUANT TO 13d-2 (b)  
(Amendment No. \_\_)\*

**10x Genomics, Inc.**

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(Name of Issuer)

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Common Stock

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(Title of Class of Securities)

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88025U109

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(CUSIP Number)

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December 31, 2019

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(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)  
 Rule 13d-1(c)  
 Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

(Continued on following pages)

Page 1 of 12

Exhibit Index on Page 11

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1	NAME OF REPORTING PERSONS		Foresite Capital Fund I, L.P. ("FCF I")
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		(a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>
3	SEC USE ONLY		
4	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER	7,235,396 <sup>1</sup> shares, except that Foresite Capital Management I, LLC ("FCM I"), the general partner of FCF I, may be deemed to have sole power to vote these shares, and James Tananbaum ("Tananbaum"), the managing member of FCM I, may be deemed to have sole power to vote these shares.
	6	SHARED VOTING POWER	See response to row 5.
	7	SOLE DISPOSITIVE POWER	7,235,396 <sup>1</sup> shares, except that FCM I, the general partner of FCF I, may be deemed to have sole power to dispose of these shares, and Tananbaum, the managing member of FCM I, may be deemed to have sole power to dispose of these shares.
	8	SHARED DISPOSITIVE POWER	See response to row 7.
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		7,235,396 <sup>1</sup>
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		<input type="checkbox"/>
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9		25.9% <sup>2 3</sup>
12	TYPE OF REPORTING PERSON		PN

<sup>1</sup> Consists of 187,500 shares of Class A Common Stock and 7,047,896 shares of Class B Common Stock.

<sup>2</sup> Based on 20,900,524 shares of Class A Common Stock outstanding as of October 31, 2019, as reported by the Issuer on its Quarterly Report on Form 10-Q for the quarter ended September 30, 2019, plus the number of shares of Class B Common Stock beneficially owned by the Reporting Person, which are treated as converted into Class A Common Stock only for the purpose of computing the percentage ownership of the Reporting Person.

<sup>3</sup> Each share of Class A Common Stock is entitled to one vote, and each share of Class B Common Stock is entitled to ten votes. There were 75,269,430 shares of Class B Common Stock outstanding as of October 31, 2019, as reported by the Issuer on its Quarterly Report on Form 10-Q for the quarter ended September 30, 2019 including the shares of Class B Common Stock beneficially owned by the Reporting Person. The percentage reported does not reflect the ten for one voting power of the Class B Common Stock.

1	NAME OF REPORTING PERSONS		Foresite Capital Management I, LLC ("FCM I")
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		(a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>
3	SEC USE ONLY		
4	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER	7,235,396 <sup>1</sup> shares, all of which are directly owned by Foresite Capital Fund I, L.P. ("FCF I"). FCM I, the general partner of FCF I, may be deemed to have sole power to vote these shares, and James Tananbaum ("Tananbaum"), the managing member of FCM I, may be deemed to have sole power to vote these shares.
	6	SHARED VOTING POWER	See response to row 5.
	7	SOLE DISPOSITIVE POWER	7,235,396 <sup>1</sup> shares, all of which are directly owned by FCF I. FCM I, the general partner of FCF I, may be deemed to have sole power to dispose of these shares, and Tananbaum, the managing member of FCM I, may be deemed to have sole power to dispose of these shares.
	8	SHARED DISPOSITIVE POWER	See response to row 7.
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		7,235,396 <sup>1</sup>
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		<input type="checkbox"/>
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9		25.9 <sup>2</sup> 3%
12	TYPE OF REPORTING PERSON		OO

1	NAME OF REPORTING PERSONS		Foresite Capital Fund II, L.P. ("FCF II")
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		(a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>
3	SEC USE ONLY		
4	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER	6,837,253 <sup>4</sup> shares, except that Foresite Capital Management II, LLC ("FCM II"), the general partner of FCF II, may be deemed to have sole power to vote these shares, and James Tananbaum ("Tananbaum"), the managing member of FCM II, may be deemed to have sole power to vote these shares.
	6	SHARED VOTING POWER	See response to row 5.
	7	SOLE DISPOSITIVE POWER	6,837,253 <sup>4</sup> shares, except that FCM II, the general partner of FCF II, may be deemed to have sole power to dispose of these shares, and Tananbaum, the managing member of FCM II, may be deemed to have sole power to dispose of these shares.
	8	SHARED DISPOSITIVE POWER	See response to row 7.
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		6,837,253 <sup>4</sup>
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		<input type="checkbox"/>
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9		24.6% <sup>2 3</sup>
12	TYPE OF REPORTING PERSON		PN

<sup>4</sup> Consists of 6,837,253 shares of Class B Common Stock.

1	NAME OF REPORTING PERSONS		Foresite Capital Management II, LLC ("FCM II")
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP		(a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>
3	SEC USE ONLY		
4	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER	6,837,253 <sup>4</sup> shares, all of which are directly owned by Foresite Capital Fund II, L.P. ("FCF II"). FCM II, the general partner of FCF II, may be deemed to have sole power to vote these shares, and James Tananbaum ("Tananbaum"), the managing member of FCM II, may be deemed to have sole power to vote these shares.
	6	SHARED VOTING POWER	See response to row 5.
	7	SOLE DISPOSITIVE POWER	6,837,253 <sup>4</sup> shares, all of which are directly owned by FCF II. FCM II, the general partner of FCF II, may be deemed to have sole power to dispose of these shares, and Tananbaum, the managing member of FCM II, may be deemed to have sole power to dispose of these shares.
	8	SHARED DISPOSITIVE POWER	See response to row 7.
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		6,837,253 <sup>4</sup>
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		<input type="checkbox"/>
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9		24.6% <sup>2 3</sup>
12	TYPE OF REPORTING PERSON		OO

1	NAME OF REPORTING PERSONS James Tananbaum ("Tananbaum")	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 14,072,649 shares, of which 7,235,396 <sup>1</sup> shares are directly owned by Foresite Capital Fund I, L.P. ("FCF I"), 6,837,253 <sup>4</sup> shares are directly owned by Foresite Capital Fund II, L.P. ("FCF II"). Tananbaum is the managing member of each of Foresite Capital Management I, LLC ("FCM I"), which is the general partner of FCF I, and Foresite Capital Management II, LLC ("FCM II"), which is the general partner of FCF II. Tananbaum may be deemed to have sole power to vote these shares.
	6	SHARED VOTING POWER See response to row 5.
	7	SOLE DISPOSITIVE POWER 14,072,649 shares, of which 7,235,396 <sup>1</sup> shares are directly owned by FCF I, 6,837,253 <sup>4</sup> shares are directly owned by FCF II. Tananbaum is the managing member of each FCM I, which is the general partner of FCF I, FCM II, which is the general partner of FCF II. Tananbaum may be deemed to have sole power to dispose of these shares.
	8	SHARED DISPOSITIVE POWER See response to row 7.
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	14,072,649
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	<input type="checkbox"/>
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9	40.5 <sup>2</sup> 3 %
12	TYPE OF REPORTING PERSON	IN

ITEM 1(A). NAME OF ISSUER

10x Genomics, Inc. (the "Issuer")

ITEM 1(B). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES

6230 Stoneridge Mall Road  
Pleasanton, California 94588

ITEM 2(A). NAME OF PERSONS FILING

This Schedule is filed by Foresite Capital Fund I, L.P., a Delaware limited partnership, Foresite Capital Management I, LLC, a Delaware limited liability company, Foresite Capital Fund II, L.P., a Delaware limited partnership, Foresite Capital Management II, LLC, a Delaware limited liability company, and James Tananbaum. The foregoing entities and individuals are collectively referred to as the "Reporting Persons."

ITEM 2(B). ADDRESS OF PRINCIPAL OFFICE

The address for each of the Reporting Persons is:

c/o Foresite Capital Management  
600 Montgomery Street, Suite 4500  
San Francisco, CA 94111

ITEM 2(C). CITIZENSHIP

See Row 4 of cover page for each Reporting Person.

ITEM 2(D). TITLE OF CLASS OF SECURITIES

Common Stock

ITEM 2(D). CUSIP NUMBER

88025U109

ITEM 3. IF THIS STATEMENT IS FILED PURSUANT TO RULE 13D-1(B), OR 13D-2(B) OR (C), CHECK WHETHER THE PERSON FILING IS A:

Not applicable.

ITEM 4. OWNERSHIP

The following information with respect to the ownership of the common stock of the Issuer by the persons filing this Statement is provided as of December 31, 2019:

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- (a) Amount beneficially owned:  
See Row 9 of cover page for each Reporting Person.
- (b) Percent of Class:  
See Row 11 of cover page for each Reporting Person.
- (c) Number of shares as to which such person has:
  - (i) Sole power to vote or to direct the vote:  
See Row 5 of cover page for each Reporting Person.
  - (ii) Shared power to vote or to direct the vote:  
See Row 6 of cover page for each Reporting Person.
  - (iii) Sole power to dispose or to direct the disposition of:  
See Row 7 of cover page for each Reporting Person.
  - (iv) Shared power to dispose or to direct the disposition of:  
See Row 8 of cover page for each Reporting Person.

ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS

Not applicable.

ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON.

Under certain circumstances set forth in the limited partnership agreements of FCF I, and FCF II and the limited liability company agreements of FCM I, and FCM II the partners or members, as the case may be, of each of such entities may be deemed to have the right to receive dividends from, or the proceeds from the sale of, shares of the Issuer directly or indirectly owned by each such entity of which they are a partner or member.

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY

Not applicable.

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP.

Not applicable

ITEM 9. NOTICE OF DISSOLUTION OF GROUP.

Not applicable

ITEM 10. CERTIFICATION.

By signing below, I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under § 240.14a-11.

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SIGNATURES

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 13, 2020

FORESITE CAPITAL FUND I, L.P.

By: FORESITE CAPITAL MANAGEMENT I, LLC  
Its: General Partner

By: /s/ James Tananbaum  
Name: James Tananbaum  
Title: Managing Member

FORESITE CAPITAL MANAGEMENT I, LLC

By: /s/ James Tananbaum  
Name: James Tananbaum  
Title: Managing Member

FORESITE CAPITAL FUND II, L.P.

By: FORESITE CAPITAL MANAGEMENT II, LLC  
Its: General Partner

By: /s/ James Tananbaum  
Name: James Tananbaum  
Title: Managing Member

FORESITE CAPITAL MANAGEMENT II, LLC

By: /s/ James Tananbaum  
Name: James Tananbaum  
Title: Managing Member

JAMES TANANBAUM

By: /s/ James Tananbaum  
Name: James Tananbaum

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EXHIBIT INDEX

Exhibit

Found on  
Sequentially  
Numbered Page

Exhibit A: Agreement of Joint Filing

12

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EXHIBIT A

Agreement of Joint Filing

The undersigned hereby agree that a single Schedule 13G (or any amendment thereto) relating to the common stock of the Issuer shall be filed on behalf of each of the undersigned and that this Agreement shall be filed as an exhibit to such Schedule 13G.

Date: February 13, 2020

FORESITE CAPITAL FUND I, L.P.

By: FORESITE CAPITAL MANAGEMENT I, LLC  
Its: General Partner

By: /s/ James Tananbaum  
Name: James Tananbaum  
Title: Managing Member

FORESITE CAPITAL MANAGEMENT I, LLC

By: /s/ James Tananbaum  
Name: James Tananbaum  
Title: Managing Member

FORESITE CAPITAL FUND II, L.P.

By: FORESITE CAPITAL MANAGEMENT II, LLC  
Its: General Partner

By: /s/ James Tananbaum  
Name: James Tananbaum  
Title: Managing Member

FORESITE CAPITAL MANAGEMENT II, LLC

By: /s/ James Tananbaum  
Name: James Tananbaum  
Title: Managing Member

JAMES TANANBAUM

By: /s/ James Tananbaum  
Name: James Tananbaum

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