

**FORM 4****UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**OMB APPROVAL**

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**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934  
or Section 30(h) of the Investment Company Act of 1940

<b>1. Name and Address of Reporting Person*</b> <u>Van Naarden Jacob</u>  (Last) (First) (Middle) <u>C/O LOXO ONCOLOGY, INC.</u> <u>ONE LANDMARK SQUARE, SUITE 1122</u>  (Street) <u>STAMFORD CT 06901</u>  (City) (State) (Zip)	<b>2. Issuer Name and Ticker or Trading Symbol</b> <u>Loxo Oncology, Inc. [ LOXO ]</u>  <b>3. Date of Earliest Transaction (Month/Day/Year)</b> <u>11/26/2018</u>  <b>4. If Amendment, Date of Original Filed (Month/Day/Year)</b>	<b>5. Relationship of Reporting Person(s) to Issuer</b> (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Chief Business Officer</u>  <b>6. Individual or Joint/Group Filing (Check Applicable Line)</b> <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person
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**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	11/26/2018		M <sup>(1)</sup>		5,500	A	\$3.648	19,200	D	
Common Stock	11/26/2018		S <sup>(1)</sup>		1,556 <sup>(2)</sup>	D	\$151.71 <sup>(3)</sup>	17,644	D	
Common Stock	11/26/2018		S <sup>(1)</sup>		1,644 <sup>(2)</sup>	D	\$152.49 <sup>(4)</sup>	16,000	D	
Common Stock	11/26/2018		S <sup>(1)</sup>		1,500 <sup>(2)</sup>	D	\$154 <sup>(5)</sup>	14,500	D	
Common Stock	11/26/2018		S <sup>(1)</sup>		600 <sup>(2)</sup>	D	\$155.3 <sup>(6)</sup>	13,900	D	
Common Stock	11/26/2018		S <sup>(1)</sup>		200	D	\$156.45	13,700	D	
Common Stock	11/27/2018		M <sup>(1)</sup>		2,443	A	\$3.648	16,143	D	
Common Stock	11/27/2018		M <sup>(1)</sup>		2,057	A	\$13.67	18,200	D	
Common Stock	11/27/2018		S <sup>(1)</sup>		949 <sup>(2)</sup>	D	\$138.08 <sup>(7)</sup>	17,251	D	
Common Stock	11/27/2018		S <sup>(1)</sup>		1,170 <sup>(2)</sup>	D	\$138.83 <sup>(8)</sup>	16,081	D	
Common Stock	11/27/2018		S <sup>(1)</sup>		300 <sup>(2)</sup>	D	\$140.13 <sup>(9)</sup>	15,781	D	
Common Stock	11/27/2018		S <sup>(1)</sup>		500 <sup>(2)</sup>	D	\$141.69 <sup>(10)</sup>	15,281	D	
Common Stock	11/27/2018		S <sup>(1)</sup>		500 <sup>(2)</sup>	D	\$143.08 <sup>(11)</sup>	14,781	D	
Common Stock	11/27/2018		S <sup>(1)</sup>		200 <sup>(2)</sup>	D	\$143.92 <sup>(12)</sup>	14,581	D	
Common Stock	11/27/2018		S <sup>(1)</sup>		100	D	\$144.97	14,481	D	
Common Stock	11/27/2018		S <sup>(1)</sup>		300 <sup>(2)</sup>	D	\$147.06 <sup>(13)</sup>	14,181	D	
Common Stock	11/27/2018		S <sup>(1)</sup>		81	D	\$147.99	14,100	D	
Common Stock	11/27/2018		S <sup>(1)</sup>		200 <sup>(2)</sup>	D	\$149.46 <sup>(14)</sup>	13,900	D	
Common Stock	11/27/2018		S <sup>(1)</sup>		200	D	\$151.55	13,700	D	

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned  
(e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Employee Stock Option (Right to Buy)	\$3.648	11/26/2018		M <sup>(1)</sup>			5,500	(15)	06/18/2024	Common Stock	5,500	\$0	42,769	D	
Employee Stock Option (Right to Buy)	\$3.648	11/27/2018		M <sup>(1)</sup>			2,443	(15)	06/18/2024	Common Stock	2,443	\$0	40,326	D	
Employee Stock Option (Right to Buy)	\$13.67	11/27/2018		M <sup>(1)</sup>			2,057	(16)	12/18/2024	Common Stock	2,057	\$0	87,943	D	

**Explanation of Responses:**

- The transactions reported on this Form 4 were effected pursuant to a 10b5-1 trading plan adopted by the reporting person.
- Represents the aggregate of sales effected on the same day at different prices.
- The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$151.19 to \$152.14 per share, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the staff of the Securities and Exchange Commission, upon written request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$152.21 to \$152.94 per share, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the staff of the Securities and Exchange Commission, upon written request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$153.75 to \$154.69 per share, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the staff of the Securities and Exchange Commission, upon written request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$155.04 to \$155.44 per share, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the staff of the Securities and Exchange Commission, upon written request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$137.52 to \$138.48 per share, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the staff of the Securities and Exchange Commission, upon written request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$138.52 to \$139.18 per share, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the staff of the Securities and Exchange Commission, upon written request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$140.08 to \$140.23 per share, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the staff of the Securities and Exchange Commission, upon written request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$141.39 to \$142.00 per share, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the staff of the Securities and Exchange Commission, upon written request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$142.64 to \$143.27 per share, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the staff of the Securities and Exchange Commission, upon written request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$143.69 to \$144.14 per share, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the staff of the Securities and Exchange Commission, upon written request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$146.99 to \$147.10 per share, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the staff of the Securities and Exchange Commission, upon written request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- The reported price in Column 4 is a weighted average price. These shares were sold in multiple transactions at prices ranging from \$149.21 to \$149.71 per share, inclusive. The reporting person undertakes to provide to the issuer, any security holder of the issuer, or the staff of the Securities and Exchange Commission, upon written request, full information regarding the number of shares sold at each separate price within the range set forth in this footnote.
- The stock option vested and became exercisable as to 25% of the shares subject to the option on May 12, 2015, and thereafter vests as to 1/48th of the shares in equal monthly installments, until such time as the option is 100% vested, subject to the continuing employment of the Reporting Person on each vesting date.
- The stock option vests and becomes exercisable in 48 equal monthly installments beginning on January 19, 2015, until such time as the option is 100% vested, subject to the continuing employment of the Reporting Person on each vesting date.

/s/Jennifer Burstein, by power of attorney      11/28/2018

\*\* Signature of Reporting Person      Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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