

UNITED STATES  
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  
THERE TO FILED PURSUANT TO 13d-2 (b)  
(Amendment No. )

**Gritstone Oncology, Inc.**

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(Name of Issuer)

**Common Stock, par value \$0.0001 per share**

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(Title of Class of Securities)

**39868T105**

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(CUSIP Number)

**December 31, 2018**

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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 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).

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1. Name of Reporting Persons  
Versant Venture Capital V, L.P.

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2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)  o

(b)  x(1)

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3. SEC Use Only

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4. Citizenship or Place of Organization  
Delaware

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Number of Shares Beneficially Owned by Each Reporting Person With	5.	Sole Voting Power 2,723,031 shares of common stock (2)
	6.	Shared Voting Power 0
	7.	Sole Dispositive Power 2,723,031 shares of common stock (2)
	8.	Shared Dispositive Power 0

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9. Aggregate Amount Beneficially Owned by Each Reporting Person  
2,723,031 shares of common stock (2)

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10. Check if the Aggregate Amount in Row 9 Excludes Certain Shares (See Instructions)  o

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11. Percent of Class Represented by Amount in Row 9  
9.4% (3)

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12. Type of Reporting Person (See Instructions)  
PN

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(1) This Schedule 13G is filed by Versant Venture Capital V, L.P. (“VVC V”), Versant Affiliates Fund V, L.P. (“VAF V”), Versant Ophthalmic Affiliates Fund I, L.P. (“VOA”) and Versant Venture Capital V (Canada) LP (“VVC CAN”). Versant Ventures V, LLC (“VV V”) is the sole general partner of VVC V, VAF V and VOA. Samuel D. Colella (“Colella”), William J. Link (“Link”), Bradley Bolzon, Ph.D (“Bolzon”), Kirk G. Nielsen (“Nielsen”), Thomas Woiwode (“Woiwode”) and Robin L. Praeger (“Praeger”) are managing directors of VV V. Versant Ventures V GP-GP (Canada), Inc. (“VV V CAN GP”) is the sole general partner of Versant Ventures V (Canada), L.P. (“VV V CAN”, and, together with VVC V, VV V, VAF V, VOA, VVC CAN, and VV V CAN GP, the “Reporting Persons”). VV V CAN is the sole general partner of VVC CAN. Colella, Link, Bolzon, Praeger, Nielsen and Woiwode are managing directors of VV V CAN GP. The Reporting Persons expressly disclaim status as a “group” for purposes of this Schedule 13G.

(2) These shares are held by VVC V. VV V is the sole general partner of VVC V and may be deemed to have voting and investment power over the securities held by VVC V. Colella, Link, Bolzon, Praeger, Nielsen and Woiwode are managing directors of VV V and share voting and dispositive power over the shares held by VVC V.

(3) This calculation is based upon 29,038,308 Common Shares outstanding as of November 5, 2018, as reported in the Issuer’s 10-Q filed with the SEC on November 14, 2018.

1.	Name of Reporting Persons Versant Affiliates Fund V, L.P.
<hr/>	
2.	Check the Appropriate Box if a Member of a Group (See Instructions)
(a)	<input type="radio"/>
(b)	<input checked="" type="radio"/> (1)
<hr/>	
3.	SEC Use Only
<hr/>	
4.	Citizenship or Place of Organization Delaware
<hr/>	
5.	Sole Voting Power 81,908 shares of common stock (2)
<hr/>	
6.	Shared Voting Power 0
<hr/>	
7.	Sole Dispositive Power 81,908 shares of common stock (2)
<hr/>	
8.	Shared Dispositive Power 0
<hr/>	
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 81,908 shares of common stock (2)
<hr/>	
10.	Check if the Aggregate Amount in Row 9 Excludes Certain Shares (See Instructions) <input type="radio"/>
<hr/>	
11.	Percent of Class Represented by Amount in Row 9 0.3% (3)
<hr/>	
12.	Type of Reporting Person (See Instructions) PN
<hr/>	

(1) This Schedule 13G is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a “group” for purposes of this Schedule 13G.  
(2) These shares are held by VAF V. VV V is the sole general partner of VAF V and may be deemed to have voting and investment power over the securities held by VAF V. Colella, Link, Bolzon, Praeger, Nielsen and Woiwode are managing directors of VV V and share voting and dispositive power over the shares held by VAF V.  
(3) This calculation is based upon 29,038,308 Common Shares outstanding as of November 5, 2018, as reported in the Issuer’s 10-Q filed with the SEC on November 14, 2018.

1.	Name of Reporting Persons Versant Ophthalmic Affiliates Fund I, L.P.
<hr/>	
2.	Check the Appropriate Box if a Member of a Group (See Instructions)
(a)	<input type="radio"/>
(b)	<input checked="" type="radio"/> (1)
<hr/>	
3.	SEC Use Only
<hr/>	
4.	Citizenship or Place of Organization Delaware
<hr/>	
5.	Sole Voting Power 90,756 shares of common stock (2)
<hr/>	
6.	Shared Voting Power 0
<hr/>	
7.	Sole Dispositive Power 90,756 shares of common stock (2)
<hr/>	
8.	Shared Dispositive Power 0
<hr/>	
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 90,756 shares of common stock (2)
<hr/>	
10.	Check if the Aggregate Amount in Row 9 Excludes Certain Shares (See Instructions) <input type="radio"/>
<hr/>	
11.	Percent of Class Represented by Amount in Row 9 0.3% (3)
<hr/>	
12.	Type of Reporting Person (See Instructions) PN
<hr/>	

(1) This Schedule 13G is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a “group” for purposes of this Schedule 13G.  
(2) These shares are held by VOA. VV V is the sole general partner of VOA and may be deemed to have voting and investment power over the securities held by VOA. Colella, Link, Bolzon, Praeger, Nielsen and Woiwode are managing directors of VV V and share voting and dispositive power over the shares held by VOA.  
(3) This calculation is based upon 29,038,308 Common Shares outstanding as of November 5, 2018, as reported in the Issuer’s 10-Q filed with the SEC on November 14, 2018.

1.	Name of Reporting Persons Versant Ventures V, LLC
<hr/>	
2.	Check the Appropriate Box if a Member of a Group (See Instructions)
(a)	<input type="radio"/>
(b)	<input checked="" type="radio"/> (1)
<hr/>	
3.	SEC Use Only
<hr/>	
4.	Citizenship or Place of Organization Delaware
<hr/>	
5.	Sole Voting Power 0
<hr/>	
6.	Shared Voting Power 2,895,695 shares of common stock (2)
<hr/>	
7.	Sole Dispositive Power 0
<hr/>	
8.	Shared Dispositive Power 2,895,695 shares of common stock (2)
<hr/>	
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 2,895,695 shares of common stock (2)
<hr/>	
10.	Check if the Aggregate Amount in Row 9 Excludes Certain Shares (See Instructions) <input type="radio"/>
<hr/>	
11.	Percent of Class Represented by Amount in Row 9 10.0% (3)
<hr/>	
12.	Type of Reporting Person (See Instructions) OO
<hr/>	

Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person With

(1) This Schedule 13G is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a “group” for purposes of this Schedule 13G.  
(2) These shares are held by VVC V, VAF and VOA. VV V is the sole general partner of VVC V, VAF and VOA and may be deemed to have voting and investment power over the securities held by VVC V, VAF and VOA. Colella, Link, Bolzon, Praeger, Nielsen and Woiwode are managing directors of VV V and share voting and dispositive power over the shares held by VVC V, VAF and VOA.  
(3) This calculation is based upon 29,038,308 Common Shares outstanding as of November 5, 2018, as reported in the Issuer’s 10-Q filed with the SEC on November 14, 2018.

1.	Name of Reporting Persons	Versant Venture Capital V (Canada) LP
2.	Check the Appropriate Box if a Member of a Group (See Instructions)	
	(a)	o
	(b)	x(1)
3.	SEC Use Only	
4.	Citizenship or Place of Organization	Ontario, Canada
	5.	Sole Voting Power 207,234 shares of common stock (2)
Number of Shares Beneficially Owned by Each Reporting Person With	6.	Shared Voting Power 0
	7.	Sole Dispositive Power 207,234 shares of common stock (2)
	8.	Shared Dispositive Power 0
9.	Aggregate Amount Beneficially Owned by Each Reporting Person	207,234 shares of common stock (2)
10.	Check if the Aggregate Amount in Row 9 Excludes Certain Shares (See Instructions)	o
11.	Percent of Class Represented by Amount in Row 9	0.7% (3)
12.	Type of Reporting Person (See Instructions)	PN

(1) This Schedule 13G is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a “group” for purposes of this Schedule 13G.  
(2) These shares are held by VVC CAN. VV V CAN GP is the sole general partner of VV V CAN and VV V CAN is the sole general partner of VVC CAN. Colella, Link, Bolzon, Praeger, Nielsen and Woiwode are managing directors of VV V CAN GP and share voting and dispositive power over the shares held by VVC CAN.  
(3) This calculation is based upon 29,038,308 Common Shares outstanding as of November 5, 2018, as reported in the Issuer’s 10-Q filed with the SEC on November 14, 2018.

1. Name of Reporting Persons  
Versant Ventures V GP-GP (Canada), Inc.

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2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)  o

(b)  x(1)

---

3. SEC Use Only

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4. Citizenship or Place of Organization  
Delaware

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Number of Shares Beneficially Owned by Each Reporting Person With	5.	Sole Voting Power 0
	6.	Shared Voting Power 207,234 shares of common stock (2)
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 207,234 shares of common stock (2)

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9. Aggregate Amount Beneficially Owned by Each Reporting Person  
207,234 shares of common stock (2)

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10. Check if the Aggregate Amount in Row 9 Excludes Certain Shares (See Instructions)  o

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11. Percent of Class Represented by Amount in Row 9  
0.7% (3)

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12. Type of Reporting Person (See Instructions)  
OO

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(1) This Schedule 13G is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a “group” for purposes of this Schedule 13G.

(2) These shares are held by VVC CAN. VV V CAN GP is the sole general partner of VV V CAN and VV V CAN is the sole general partner of VVC CAN. Colella, Link, Bolzon, Praeger, Nielsen and Woiwode are managing directors of VV V CAN GP and share voting and dispositive power over the shares held by VVC CAN.

(3) This calculation is based upon 29,038,308 Common Shares outstanding as of November 5, 2018, as reported in the Issuer’s 10-Q filed with the SEC on November 14, 2018.

1. Name of Reporting Persons  
Versant Ventures V (Canada), L.P.

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2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)  (1)

---

3. SEC Use Only

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4. Citizenship or Place of Organization  
Delaware

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5. Sole Voting Power  
0

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Number of Shares Beneficially Owned by Each Reporting Person With

6. Shared Voting Power  
207,234 shares of common stock (2)

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7. Sole Dispositive Power  
0

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8. Shared Dispositive Power  
207,234 shares of common stock (2)

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9. Aggregate Amount Beneficially Owned by Each Reporting Person  
207,234 shares of common stock (2)

---

10. Check if the Aggregate Amount in Row 9 Excludes Certain Shares (See Instructions)

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11. Percent of Class Represented by Amount in Row 9  
0.7% (3)

---

12. Type of Reporting Person (See Instructions)  
OO

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(1) This Schedule 13G is filed by the Reporting Persons. The Reporting Persons expressly disclaim status as a “group” for purposes of this Schedule 13G.  
(2) These shares are held by VVC CAN. VV V CAN GP is the sole general partner of VV V CAN and VV V CAN is the sole general partner of VVC CAN. Colella, Link, Bolzon, Praeger, Nielsen and Woiwode are managing directors of VV V CAN GP and share voting and dispositive power over the shares held by VVC CAN.  
(3) This calculation is based upon 29,038,308 Common Shares outstanding as of November 5, 2018, as reported in the Issuer’s 10-Q filed with the SEC on November 14, 2018.



Introductory Note: This Statement on Schedule 13G is filed on behalf of the Reporting Persons, in respect of shares of Common Stock, par value \$0.0001 per share ("Common Stock"), of Gritstone Oncology, Inc. (the "Issuer").

**Item 1**

(a) Name of Issuer:  
Gritstone Oncology, Inc.

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Address of Issuer's Principal Executive Offices:  
5858 Horton Street, Suite 210  
Emeryville, California

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**Item 2**

(a) Name of Person(s) Filing:  
Versant Venture Capital V, L.P. ("VVC V")  
Versant Affiliates Fund V, L.P. ("VAF V")  
Versant Ventures V, LLC ("VV V")  
Versant Ophthalmic Affiliates Fund I, L.P. ("VOA")  
Versant Venture Capital V (Canada) LP ("VVC CAN")  
Versant Ventures V GP-GP (Canada), Inc. ("VV V CAN GP")  
Versant Ventures V (Canada), L.P. ("VV V CAN")

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(b) Address of Principal Business Office:  
c/o Versant Ventures  
One Sansome Street, Suite 3630  
San Francisco, CA 94104

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(c) Citizenship:

Entities:	VVC V	-	Delaware
	VAF V	-	Delaware
	VV V	-	Delaware
	VOA	-	Delaware
	VVC CAN	-	Ontario, Canada
	VV V CAN GP	-	Delaware
	VV V CAN	-	Delaware

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(d) Title of Class of Securities:  
Common Stock

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(e) CUSIP Number:  
39868T105

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**Item 3** Not applicable.

**Item 4 Ownership.**

The following information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2018:

<b>Reporting Persons</b>	<b>Shares Held Directly</b>	<b>Sole Voting Power</b>	<b>Shared Voting Power</b>	<b>Sole Dispositive Power</b>	<b>Shared Dispositive Power</b>	<b>Beneficial Ownership</b>	<b>Percentage of Class (1)</b>
VVC V	2,723,031	2,723,031	0	2,723,031	0	2,723,031	9.4%
VAF V	81,908	81,908	0	81,908	0	81,908	0.3%
VOA	90,756	90,756	0	90,756	0	90,756	0.3%
VV V	0	0	2,895,695	0	2,895,695	2,895,695	10.0%
VVC CAN	207,234	207,234	0	207,234	0	207,234	0.7%
VV V CAN GP	0	0	207,234	0	207,234	207,234	0.7%
VV V CAN	0	0	207,234	0	207,234	207,234	0.7%

(1) This calculation is based upon 29,038,308 Common Shares outstanding as of November 5, 2018, as reported in the Issuer's 10-Q filed with the SEC on November 14, 2018.

**Item 5 Ownership of Five Percent or Less of a Class.**

If this statement is being filed to report the fact that as of the date hereof, the Reporting Persons have ceased to be the beneficial owner of more than five percent of the class of securities, check the following:

**Item 6 Ownership of More than Five Percent on Behalf of Another Person.**

See Items 2(a) and 4.

**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.**  
Not applicable.

**SIGNATURE**

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.

February 14, 2019

**Versant Venture Capital V, L.P.**

By: Versant Ventures V, LLC  
Its: General Partner

By: /s/ Robin L. Praeger  
Robin L. Praeger, Managing Director

**Versant Affiliates Fund V, L.P.**

By: Versant Ventures V, LLC  
Its: General Partner

By: /s/ Robin L. Praeger  
Robin L. Praeger, Managing Director

**Versant Ophthalmic Affiliates Fund I, L.P.**

By: Versant Ventures V, LLC  
Its: General Partner

By: /s/ Robin L. Praeger  
Robin L. Praeger, Managing Director

**Versant Ventures V, LLC**

By: /s/ Robin L. Praeger  
Robin L. Praeger, Managing Director

**Versant Venture Capital V (Canada) LP**

By: Versant Ventures V (Canada), L.P.  
Its: General Partner

By: Versant Ventures V GP-GP (Canada), Inc.  
Its: General Partner

By: /s/ Robin L. Praeger  
Robin L. Praeger, Director

**Versant Ventures V (Canada), L.P.**

By: Versant Ventures V GP-GP (Canada), Inc.  
Its: General Partner

By: /s/ Robin L. Praeger  
Robin L. Praeger, Director

**Versant Ventures V GP-GP (Canada), Inc.**

By: /s/ Robin L. Praeger  
Robin L. Praeger, Director

**Exhibit 1**

**Joint Filing Agreement**

We, the undersigned, hereby express our agreement that the attached Schedule 13G (or any amendments thereto) relating to the Common Stock of Gritstone Oncology, Inc. is filed on behalf of each of us.

February 14, 2019

**Versant Venture Capital V, L.P.**

By: Versant Ventures V, LLC  
Its: General Partner

By: /s/ Robin L. Praeger  
Robin L. Praeger, Managing Director

**Versant Affiliates Fund V, L.P.**

By: Versant Ventures V, LLC  
Its: General Partner

By: /s/ Robin L. Praeger  
Robin L. Praeger, Managing Director

**Versant Ophthalmic Affiliates Fund I, L.P.**

By: Versant Ventures V, LLC  
Its: General Partner

By: /s/ Robin L. Praeger  
Robin L. Praeger, Managing Director

**Versant Ventures V, LLC**

By: /s/ Robin L. Praeger  
Robin L. Praeger, Managing Director

**Versant Venture Capital V (Canada) LP**

By: Versant Ventures V (Canada), L.P.  
Its: General Partner

By: Versant Ventures V GP-GP (Canada), Inc.  
Its: General Partner

By: /s/ Robin L. Praeger  
Robin L. Praeger, Director

**Versant Ventures V (Canada), L.P.**

By: Versant Ventures V GP-GP (Canada), Inc.  
Its: General Partner

By: /s/ Robin L. Praeger  
Robin L. Praeger, Director

**Versant Ventures V GP-GP (Canada), Inc.**

By: /s/ Robin L. Praeger  
Robin L. Praeger, Director

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