UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934 (Amendment No. _____)*

REPLIMUNE GROUP, INC.

(Name of Issuer)

COMMON STOCK, \$0.001 PAR VALUE

(Title of Class of Securities)

76029N106

(CUSIP Number)

DECEMBER 31, 2018

(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)
- x 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 the disclosures provided in a prior cover page.

The information required in 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).

1.	Name of Reporting Persons		
	Atlas Ventu	ıre Fund X	, L.P.
2.	Check the Appropriate Box if a Member of a Group (See Instructions) (a) □ (b) ::		
3.	(b) x SEC USE ONLY		
4. Citizenship or Place of Organization		nization	
	Delaware		
		5.	Sole Voting Power
			0
	Number of Shares	6.	Shared Voting Power
	Beneficially Owned by		$4,453,386^1$
	Each Reporting Person With:	7.	Sole Dispositive Power
			0
		8.	Shared Dispositive Power
			4,453,386 ¹
9. Aggregate Amount Beneficially Owned by Each Reporting Person		ally Owned by Each Reporting Person	
	4,453,386 ¹		
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)		
11.	Percent of Class R	Represented	l by Amount in Row (9)
	14.1% ²		
12.	Type of Reporting	Person (S	ee Instructions)
	PN		

(1) As described in Item 5 below, Atlas Venture Fund X, L.P., a Delaware limited partnership ("Atlas X"), Atlas Venture Associates X, L.P., a Delaware limited partnership ("AVA X LP") and Atlas Venture Associates X, LLC, a Delaware limited liability company ("AVA X LLC" and together with Atlas X and AVA X LP, the "Reporting Persons") beneficially own 4,453,386 shares of the Issuer's Common Stock. All of these shares are directly held by Atlas X. AVA X LP is the general partner of Atlas X and AVA X LLC is the general partner of AVA X LP. Each of AVA X LP and AVA X LLC has voting and dispositive power over the shares held by Atlas X. As such, each of the Reporting Persons share voting and dispositive power with respect to the shares held by Atlas X.

(2) This percentage is calculated based upon 31,553,672 outstanding shares of Common Stock of the Issuer as of November 12, 2018, as reported in the Issuer's quarterly report on Form 10-Q for the quarter ended September 30, 2018 and filed with the Securities and Exchange Commission on November 14, 2018.

1.	Name of Reportin	Name of Reporting Persons			
	Atlas Venture	Accociato	c Y I D		
	Atlas venture	ASSOCIATE	5 A, L.P.		
2.	Check the Approp	Check the Appropriate Box if a Member of a Group (See Instructions)			
	(a) 🗆				
	(b) x				
3.	SEC USE ONLY				
4. Citizenship or Place of Organization		nization			
	Delaware				
		5.	Sole Voting Power		
			0		
	Number of	6.	Shared Voting Power		
	Shares	0.	Shaled voting Power		
	Beneficially		4,453,386 ¹		
	Owned by Each	7.	Sole Dispositive Power		
	Reporting		-		
	Person With:		0		
		8.	Shared Dispositive Power		
			4,453,386 ¹		
9.	Aggregate Amour	nt Benefici	ally Owned by Each Reporting Person		
	4,453,386 ¹				
10.	Check if the Aggr	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) \Box			
11.	Percent of Class R	Represented	d by Amount in Row (9)		
	14.1% ²				
12.	Type of Reporting	g Person (S	ee Instructions)		
	PN				

(1) As described in Item 5 below, Atlas Venture Fund X, L.P., a Delaware limited partnership ("Atlas X"), Atlas Venture Associates X, L.P., a Delaware limited partnership ("AVA X LP") and Atlas Venture Associates X, LLC, a Delaware limited liability company ("AVA X LLC" and together with Atlas X and AVA X LP, the "Reporting Persons") beneficially own 4,453,386 shares of the Issuer's Common Stock. All of these shares are directly held by Atlas X. AVA X LP is the general partner of Atlas X and AVA X LLC is the general partner of AVA X LP. Each of AVA X LP and AVA X LLC has voting and dispositive power over the shares held by Atlas X. As such, each of the Reporting Persons share voting and dispositive power with respect to the shares held by Atlas X.

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Name of Reporting Persons				
Atlas Venture Associates X, LLC				
Check the Appropriate Box if a Member of a Group (See Instructions)				
SEC USE ONLY				
4. Citizenship or Place of Organization		nization		
Delaware				
	5.	Sole Voting Power		
		0		
Number of Shares	6.	Shared Voting Power		
Beneficially		4,453,386 ¹		
Each	7.	Sole Dispositive Power		
Reporting Person With:		0		
	8.	Shared Dispositive Power		
		4,453,386 ¹		
9. Aggregate Amount Beneficially Owned by Each Reporting Person		ally Owned by Each Reporting Person		
4,453,386 ¹				
Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)				
Percent of Class Represented by Amount in Row (9)				
14.1% ²				
	Person (S	ee Instructions)		
00				
	Atlas Venture Check the Appropriation (a) (b) x SEC USE ONLY Citizenship or Place Delaware Number of Shares Beneficially Owned by Each Reporting Person With: Aggregate Amount 4,453,386 ¹ Check if the Aggreg Percent of Class Re 14.1% ² Type of Reporting	Atlas Venture Associate Check the Appropriate Box i (a) \Box (b) x SEC USE ONLY Citizenship or Place of Orgat Delaware 5. Number of Shares Beneficially Owned by Each 7. Reporting Person With: 8. Aggregate Amount Beneficial 4,453,386 ¹ Check if the Aggregate Amo Percent of Class Represented 14.1% ² Type of Reporting Person (S		

(1) As described in Item 5 below, Atlas Venture Fund X, L.P., a Delaware limited partnership ("Atlas X"), Atlas Venture Associates X, L.P., a Delaware limited partnership ("AVA X LP") and Atlas Venture Associates X, LLC, a Delaware limited liability company ("AVA X LLC" and together with Atlas X and AVA X LP, the "Reporting Persons") beneficially own 4,453,386 shares of the Issuer's Common Stock. All of these shares are directly held by Atlas X. AVA X LP is the general partner of Atlas X and AVA X LLC is the general partner of AVA X LP. Each of AVA X LP and AVA X LLC has voting and dispositive power over the shares held by Atlas X. As such, each of the Reporting Persons share voting and dispositive power with respect to the shares held by Atlas X.

(2) This percentage is calculated based upon 31,553,672 outstanding shares of Common Stock of the Issuer as of November 12, 2018, as reported in the Issuer's quarterly report on Form 10-Q for the quarter ended September 30, 2018 and filed with the Securities and Exchange Commission on November 14, 2018.

Item 1(a) Name of Issuer

Replimune Group, Inc. (the "Issuer")

Item 1(b) Address of Issuer's Principal Executive Offices

18 Commerce Way Woburn, MA 01801

Item 2(a) Name of Person Filing

This Schedule 13G is filed by (i) Atlas Venture Fund X, L.P., a Delaware limited partnership ("Atlas X"), (ii) Atlas Venture Associates X, L.P., a Delaware limited partnership ("AVA X LP") and (iii) Atlas Venture Associates X, LLC, a Delaware limited liability company ("AVA X LLC" and together with Atlas X and AVA X LP, the "Reporting Persons").

Item 2(b) Address of Principal Business Office or, if none, Residence

400 Technology Square, 10th Floor Cambridge, Massachusetts 02139.

Item 2(c) Citizenship

Each of Atlas X and AVA X LP is a Delaware limited partnership. AVA X LLC is a Delaware limited liability company.

Item 2(d) Title of Class of Securities

Common Stock, \$0.001 par value

Item 2(e) CUSIP Number

76029N106

Item 3

Not applicable.

Item 4 Ownership

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1

(a) Amount beneficially owned: Atlas X is the record owner of 4,453,386 shares of Common Stock. AVA X LP is the general partner of Atlas X and AVA X LLC is the general partner of AVA X LP. Each of Atlas X, AVA X LP and AVA X LLC has shared voting and dispositive power over the shares held by Atlas X. As such, each of Atlas X, AVA X LP and AVA X LLC may be deemed to beneficially own the shares held by Atlas X.

(b) Percent of class: Each of the Reporting Persons may be deemed to beneficially own 14.1% of the Issuer's outstanding Common Stock, which percentage is calculated based upon 31,553,672 outstanding shares of Common Stock of the Issuer as of November 12, 2018, as reported in the Issuer's quarterly report on Form 10-Q for the quarter ended September 30, 2018 and filed with the Securities and Exchange Commission on November 14, 2018.

(c) Number of shares as to which the person has:

(i) Sole power to vote or to direct the vote: None of the Reporting Persons have the sole power to direct the vote of the Common Stock.

(ii) Shared power to vote or to direct the vote: Each Reporting Person shares power to vote or direct the vote of 4,453,386 shares of Common Stock.

(iii) Sole power to dispose or to direct the disposition of: None of the Reporting Persons have the sole power to dispose or to direct the disposition of the Common Stock.

CUSIP No. 76029N106

(iv) Shared power to dispose or to direct the disposition of: Each Reporting Person shares power to dispose or to direct the disposition of 4,453,386 shares of Common Stock.

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 person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following. \Box

Item 6 Ownership of More than Five Percent of Another Person

Not applicable.

Item 7	Identification and Classification of the Subsidiar	y which Aco	quired the Securit	<u>y Being</u>	Reported on b	y the Parent Holding	<u>g Company</u>

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.

Dated: February 13, 2019.

ATLAS VENTURE FUND X, L.P.

By: Atlas Venture Associates X, L.P., its general partner By: Atlas Venture Associates X, LLC, its general partner

By:	/s/ Ommer Chohan
Name:	Ommer Chohan
Title:	CFO

ATLAS VENTURE ASSOCIATES X, L.P.

By: Atlas Venture Associates X, LLC, its general partner

By:	/s/ Ommer Chohan		
Name:	Ommer Chohan		
Title:	CFO		

ATLAS VENTURE ASSOCIATES X, LLC

/s/ Ommer Chohan
Ommer Chohan
CFO

EXHIBITS

A: Joint Filing Statement

JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, the undersigned agree to the joint filing on behalf of each of them of a statement on Schedule 13G (including amendments thereto) with respect to the Common Stock of Replimune Group, Inc. and further agree that this agreement be included as an exhibit to such filing. Each party to the agreement expressly authorizes each other party to file on its behalf any and all amendments to such statement. Each party to this agreement agrees that this joint filing agreement may be signed in counterparts.

IN WITNESS WHEREOF, the undersigned have executed this Joint Filing Agreement as of February 13, 2019.

ATLAS VENTURE FUND X, L.P.

By: Atlas Venture Associates X, L.P., its general partner By: Atlas Venture Associates X, LLC, its general partner

By:	/s/ Ommer Chohan
Name:	Ommer Chohan
Title:	CFO

ATLAS VENTURE ASSOCIATES X, L.P.

By: Atlas Venture Associates X, LLC, its general partner

By:	/s/ Ommer Chohan
Name:	Ommer Chohan
Title:	CFO

ATLAS VENTURE ASSOCIATES X, LLC

/s/ Ommer Chohan
Ommer Chohan
CFO