# 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 THERETO FILED PURSUANT TO 13d-2 (b) (Amendment No. )\*

		Restoration Robotics, Inc.
		(Name of Issuer)
		Common Stock, par value \$0.0001 per share
		(Title of Class of Securities)
		(CUSIP Number)
		December 31, 2017
		(Date of Event Which Requires Filing of this Statement)
Check the appr		esignate the rule pursuant to which this Schedule is filed:
0	Rule 13d-1(b)	
0	Rule 13d-1(c)	
X	Rule 13d-1(d)	
		age shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for nataining information which would alter disclosures provided in a prior cover page.
The information	n required on th	e remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act
		ibject 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	Names of Repo	orting Dercone
1	Alloy Ventures	
2	Check the Appr	ropriate Box if a Member of a Group*
	(a)	0
	(b)	x (1)
2	CECH OI	
3	SEC Use Only	
4	Citizenship or I	Place of Organization
7		ted States of America
	5	Sole Voting Power
		0 shares
Number of	6	Shared Voting Power
Shares Beneficially	U	1,668,269 shares of Common Stock (2)
Owned by		
Each Reporting	7	Sole Dispositive Power
Person With		0 shares
Person With		O SHRIPS

8

Shared Dispositive Power

1,668,269 shares of Common Stock (2)

	Aggregate Amount Beneficially Owned by Each Reporting Person  1,668,269 shares of Common Stock (2)		
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* o		
	Percent of Class Represented by Amount in Row 9 5.8% (3)		
	Type of Report PN	ing Person*	
2002"), Alloy V Kelly ("Kelly") 2002 Ventures, The Reporting I (2) The shares Shoch, Kelly, R (3) This percent	Ventures 2005, I , Tony Di Bona 2002 Partners, Persons express s are held by 20 ubin, and Di Bontage is calcula	d by Alloy Ventures 2002, L.P. ("2002 Ventures"), Alloy Partners 2002, L.P. ("2002 Partners"), Alloy Ventures 2002, LLC ("GP L.P., ("2005 Ventures"), Alloy Ventures 2005, LLC, ("GP 2005"), Craig Taylor ("Taylor"), John Shoch ("Shoch"), Douglas ("Di Bona"), Daniel Rubin ("Rubin"), Ammar Hanafi ("Hanafi"), and Michael Hunkapiller ("Hunkapiller", and together with GP 2002, 2005 Ventures, GP 2005, Taylor, Shoch, Kelly, Di Bona, Rubin, and Hanafi, collectively, the "Reporting Persons"). Sly disclaim status as a "group" for purposes of this Schedule 13G.  102 Ventures. GP 2002 serves as the sole general partner of 2002 Ventures and owns no securities of the Issuer directly. Taylor, ona are managing directors of GP 2002 and share voting and dispositive power over the shares held by 2002 Ventures. ted based upon 28,930,095 shares of Common Stock outstanding as of October 31, 2017 as set forth in the Issuer's most recent and Exchange Commission on November 21, 2017.	
1	Names of Rep Alloy Partners	orting Persons. s 2002, L.P.	
2	Check the App	propriate Box if a Member of a Group*	
	(a)	0	
	(b)	x (1)	
3	SEC Use Only	7	
4	Citizenship or Place of Organization California, United States of America		
	5	Sole Voting Power 0 shares	
Number of Shares Beneficially	6	Shared Voting Power 45,041 shares of Common Stock (2)	
Owned by Each Reporting Person With	7	Sole Dispositive Power 0 shares	
	8	Shared Dispositive Power 45,041 shares of Common Stock (2)	
9		nount Beneficially Owned by Each Reporting Person of Common Stock (2)	
10	Check Box if	the Aggregate Amount in Row (9) Excludes Certain Shares* o	
11	Percent of Cla 0.2% (3)	ss Represented by Amount in Row 9	
12	Type of Repor	ting Person*	

(1) This Schedule 13G is filed by Alloy Ventures 2002, L.P. ("2002 Ventures"), Alloy Partners 2002, L.P. ("2002 Partners"), Alloy Ventures 2002, LLC ("GP 2002"), Alloy Ventures 2005, L.P., ("2005 Ventures"), Alloy Ventures 2005, LLC, ("GP 2005"), Craig Taylor ("Taylor"), John Shoch ("Shoch"), Douglas Kelly ("Kelly"), Tony Di Bona ("Di Bona"), Daniel Rubin ("Rubin"), Ammar Hanafi ("Hanafi"), and Michael Hunkapiller ("Hunkapiller", and together with 2002 Ventures, 2002 Partners, GP 2002, 2005 Ventures, GP 2005, Taylor, Shoch, Kelly, Di Bona, Rubin, and Hanafi, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

(2) The shares are held by 2002 Ventures. GP 2002 serves as the sole general partner of 2002 Ventures and owns no securities of the Issuer directly. Taylor, Shoch, Kelly, Rubin, and Di Bona are managing directors of GP 2002 and share voting and dispositive power over the shares held by 2002 Ventures.

(3) This percentage is calculated based upon 28,930,095 shares of Common Stock outstanding as of October 31, 2017 as set forth in the Issuer's most recent 10-Q filed with the Securities and Exchange Commission on November 21, 2017.

3

1	Names of Reporting Persons. Alloy Ventures 2002, LLC		
2	Check the Apr	propriate Box if a Member of a Group*	
	(a)	0	
	(b)	x (1)	
3	SEC Use Only	,	
4		Place of Organization ited States of America	
	5	Sole Voting Power 0 shares	
Number of Shares Beneficially Owned by	6	Shared Voting Power 1,713,310 shares of Common Stock (2)	
Each Reporting Person With	7	Sole Dispositive Power 0 shares	
	8	Shared Dispositive Power 1,713,310 shares of Common Stock (2)	
9	Aggregate Amount Beneficially Owned by Each Reporting Person 1,713,310 shares of Common Stock (2)		
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* o		
11	Percent of Class Represented by Amount in Row 9 5.9% (3)		
12	Type of Repor	ting Person*	

<sup>(1)</sup> This Schedule 13G is filed by Alloy Ventures 2002, L.P. ("2002 Ventures"), Alloy Partners 2002, L.P. ("2002 Partners"), Alloy Ventures 2002, LLC ("GP 2002"), Alloy Ventures 2005, L.P., ("2005 Ventures"), Alloy Ventures 2005, LLC, ("GP 2005"), Craig Taylor ("Taylor"), John Shoch ("Shoch"), Douglas Kelly ("Kelly"), Tony Di Bona ("Di Bona"), Daniel Rubin ("Rubin"), Ammar Hanafi ("Hanafi"), Michael Hunkapiller ("Hunkapiller" and together with 2002 Ventures, 2002 Partners, GP 2002, 2005 Ventures, GP 2005, Taylor, Shoch, Kelly, Di Bona, Rubin Hanafi and Hunkapiller, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

<sup>(2)</sup> Includes 1,668,269 shares held by 2002 Ventures and 45,041 shares held by 2002 Partners. GP 2002 serves as the sole general partner of 2002 Ventures and 2002 Partners and owns no securities of the Issuer directly. Taylor, Shoch, Kelly, Rubin and Di Bona are managing directors of GP 2002 and share voting and dispositive power over the shares held by 2002 Ventures and 2002 Partners.

<sup>(3)</sup> This percentage is calculated based upon 28,930,095 shares of Common Stock outstanding as of October 31, 2017 as set forth in the Issuer's most recent 10-Q filed with the Securities and Exchange Commission on November 21, 2017.

1	Names of Rep Alloy Venture	porting Persons. es 2005, L.P.	
2	Check the Ap	propriate Box if a Member of a Group*	
	(a)	0	
	(b)	x (1)	
3	SEC Use Onl	y	
4	Citizenship or Place of Organization California, United States of America		
	5	Sole Voting Power 0 shares	
Number of Shares Beneficially Owned by	6	Shared Voting Power 1,713,317 shares of Common Stock (2)	
Each Reporting Person With	7	Sole Dispositive Power 0 shares	
	8	Shared Dispositive Power 1,713,317 shares of Common Stock (2)	
9	Aggregate Amount Beneficially Owned by Each Reporting Person 1,713,317 shares of Common Stock (2)		
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* o		
11	Percent of Class Represented by Amount in Row 9 5.9% (3)		
12	Type of Reporting Person* PN		

(1) 2002 Ventures, 2002 Partners, GP 2002, 2005 Ventures, GP 2005, Taylor, Shoch, Kelly, Di Bona, Rubin, and Hanafi, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

(3) This percentage is calculated based upon 28,930,095 shares of Common Stock outstanding as of October 31, 2017 as set forth in the Issuer's most recent 10-Q filed with the Securities and Exchange Commission on November 21, 2017.

1 Names of Reporting Persons. Alloy Ventures 2005, LLC

Check the Appropriate Box if a Member of a Group\*

(b) x (1)

(a)

<sup>(2)</sup> The shares are held by 2005 Ventures. GP 2005 serves as the sole general partner of 2005 Ventures and owns no securities of the Issuer directly. Taylor, Shoch, Kelly, Di Bona, Rubin, Hanafi and Hunkapiller are managing directors of GP 2005 and share voting and dispositive power over the shares held by 2005 Ventures.

3	SEC Use Only  Citizenship or Place of Organization California, United States of America			
4				
	5	Sole Voting Power 0 shares		
Number of Shares Beneficially	6	Shared Voting Power 1,713,317 shares of Common Stock (2)		
Owned by Each Reporting Person With	7	Sole Dispositive Power 0 shares		
	8	Shared Dispositive Power 1,713,317 shares of Common Stock (2)		
9		at Beneficially Owned by Each Reporting Person of Common Stock (2)		
10	Check Box if the A	Aggregate Amount in Row (9) Excludes Certain Shares* o		
11	Percent of Class R 5.9% (3)	depresented by Amount in Row 9		
12	Type of Reporting	Person*		
2002"), Alloy Kelly ("Kelly" 2002 Ventures, The Reporting (2) The shares Shoch, Kelly, I 2005 Ventures. (3) This perce	Ventures 2005, L.P.  ), Tony Di Bona ("1 2002 Partners, GP Persons expressly of are held by 2005 V Di Bona, Rubin, Ha ntage is calculated	Alloy Ventures 2002, L.P. ("2002 Ventures"), Alloy Partners 2002, L.P. ("2002 Partners"), Alloy Ventures 2002, LLC ("G, ("2005 Ventures"), Alloy Ventures 2005, LLC, ("GP 2005"), Craig Taylor ("Taylor"), John Shoch ("Shoch"), Douglas Di Bona"), Daniel Rubin ("Rubin"), Ammar Hanafi ("Hanafi"), and Michael Hunkapiller ("Hunkapiller", and together with 2002, 2005 Ventures, GP 2005, Taylor, Shoch, Kelly, Di Bona, Rubin, and Hanafi, collectively, the "Reporting Persons"). disclaim status as a "group" for purposes of this Schedule 13G.  Ventures. GP 2005 serves as the sole general partner of 2005 Ventures and owns no securities of the Issuer directly. Taylor, nafi and Hunkapiller are managing directors of GP 2005 and share voting and dispositive power over the shares held by based upon 28,930,095 shares of Common Stock outstanding as of October 31, 2017 as set forth in the Issuer's most recent Exchange Commission on November 21, 2017.		
1	Names of Reporti Craig Taylor	ing Persons.		
2	Check the Approp	priate Box if a Member of a Group*		
	(a) <u>o</u> (b) <u>x</u>	(1)		
3	SEC Use Only			
4	Citizenship or Pla United States of A	ace of Organization America		
Number of Shares Beneficially	5	Sole Voting Power 0		

Owned by Each Reporting Person With	6	Shared Voting Power 3,426,627 shares of Common Stock (2)
	7	Sole Dispositive Power 0
	8	Shared Dispositive Power 3,426,627 shares of Common Stock (2)
9	Aggregate Amount 3,426,627 shares of	Beneficially Owned by Each Reporting Person Common Stock (2)
10	Check Box if the Ag	ggregate Amount in Row (9) Excludes Certain Shares* o
11	Percent of Class Rep 11.8% (3)	presented by Amount in Row 9
12	Type of Reporting P IN	erson*
02"), Alloy V	entures 2005, L.P., ('	

		7
1	Names of Reporting	ng Persons.
2	Check the Approp	riate Box if a Member of a Group*
	(a) o	
	(b) x	(1)
	_	
3	SEC Use Only	
4	Citizenship or Pla United States of A	ce of Organization merica
Number of Shares Beneficially	5	Sole Voting Power 0 shares
Owned by Each Reporting Person With	6	Shared Voting Power 3,426,627 shares of Common Stock (2)

7

Sole Dispositive Power

0 shares

ξP (1) 2002 Kelly 2002 Ventures, 2002 Partners, GP 2002, 2005 Ventures, GP 2005, Taylor, Shoch, Kelly, Di Bona, Rubin, and Hanafi, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

<sup>(2)</sup> Includes (i) 45,041 shares held by 2002 Partners; (ii) 1,668,269 shares held by 2002 Ventures; and (iii) 1,713,317 shares held by 2005 Ventures. GP 2002 serves as the sole general partner of 2002 Ventures and 2002 Partners and owns no securities of the Issuer directly. Taylor, Shoch, Kelly, Rubin, and Di Bona are managing directors of GP 2002 and share voting and dispositive power over the shares held by 2002 Ventures and 2002 Partners;. GP 2005 serves as the sole general partner of Ventures and owns no securities of the Issuer directly. Taylor, Shoch, Kelly, Di Bona, Rubin, Hanafi and Hunkapiller are managing directors of GP 2005 and share voting and dispositive power over the shares held by Ventures.

<sup>(3)</sup> This percentage is calculated based upon 28,930,095 shares of Common Stock outstanding as of October 31, 2017 as set forth in the Issuer's most recent 10-Q filed with the Securities and Exchange Commission on November 21, 2017.

	8	Shared Dispositive Power 3,426,627 shares of Common Stock (2)		
9		nt Beneficially Owned by Each Reporting Person of Common Stock (2)		
10	Check Box if the	Aggregate Amount in Row (9) Excludes Certain Shares* o		
11	Percent of Class 11.8% (3)	Represented by Amount in Row 9		
12	Type of Reporting	g Person*		
2002"), Alloy Kelly ("Kelly" 2002 Ventures, The Reporting (2) Includes (2002 serves as Bona are mana the sole genera directors of GF (3 This percent	Ventures 2005, L.F.  ), Tony Di Bona (  2002 Partners, Gl Persons expressly  i) 45,041 shares he the sole general paging directors of Cl  l partner of Ventur  2005 and share v  age is calculated b	by Alloy Ventures 2002, L.P. ("2002 Ventures"), Alloy Partners 2002, L.P. ("2002 Partners"), Alloy Ventures 2002, LLC ("GP 2005"), Craig Taylor ("Taylor"), John Shoch ("Shoch"), Douglas ("Di Bona"), Daniel Rubin ("Rubin"), Ammar Hanafi ("Hanafi"), and Michael Hunkapiller ("Hunkapiller" and together with P 2002, 2005 Ventures, GP 2005, Taylor, Shoch, Kelly, Di Bona, Rubin, and Hanafi, collectively, the "Reporting Persons"). disclaim status as a "group" for purposes of this Schedule 13G. eld by 2002 Partners; (ii) 1,668,269 shares held by 2002 Ventures; and (iii) 1,713,317 shares held by 2005 Ventures. GP artner of 2002 Ventures and 2002 Partners and owns no securities of the Issuer directly. Taylor, Shoch, Kelly, Rubin, and Di GP 2002 and share voting and dispositive power over the shares held by 2002 Ventures and 2002 Partners. GP 2005 serves as res and owns no securities of the Issuer directly. Taylor, Shoch, Kelly, Di Bona, Rubin, Hanafi and Hunkapiller are managing oting and dispositive power over the shares held by Ventures. based upon 28,930,095 shares of Common Stock outstanding as of October 31, 2017 as set forth in the Issuer's most recent diexchange Commission on November 21, 2017.		
-		8		
1	Names of Report Douglas Kelly	ing Persons.		
2	Check the Appropriate Box if a Member of a Group*  (a) o			
	_	(1)		
3	SEC Use Only			
4	Citizenship or Pla United States of A	ace of Organization America		
	5	Sole Voting Power 0 shares		
Number of Shares Beneficially	6	Shared Voting Power 3,426,627 shares of Common Stock (2)		
Owned by Each Reporting Person With	7	Sole Dispositive Power 0 shares		
	8	Shared Dispositive Power 3,426,627 shares of Common Stock (2)		
9		nt Beneficially Owned by Each Reporting Person of Common Stock (2)		

10

Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares\* o

11	Percent of Class Represented by Amount in Row 9 11.8% (3)			
12	Type of Reportin	g Person*		
2002"), Alloy Kelly ("Kelly" 2002 Ventures, The Reporting (2) Includes (2002 serves as Bona are mana the sole genera directors of GF (3) This perce	Ventures 2005, L.I.), Tony Di Bona (  2002 Partners, G.I. Persons expressly i) 45,041 shares he the sole general p ging directors of G.I. I partner of Venture entage is calculated	by Alloy Ventures 2002, L.P. ("2002 Ventures"), Alloy Partners 2002, L.P. ("2002 Partners"), Alloy Ventures 2002, LLC ("GP 2005"), Craig Taylor ("Taylor"), John Shoch ("Shoch"), Douglas ("Di Bona"), Daniel Rubin ("Rubin"), Ammar Hanafi ("Hanafi"), and Michael Hunkapiller ("Hunkapiller" and together with P 2002, 2005 Ventures, GP 2005, Taylor, Shoch, Kelly, Di Bona, Rubin, and Hanafi, collectively, the "Reporting Persons"). disclaim status as a "group" for purposes of this Schedule 13G. eld by 2002 Partners; (ii) 1,668,269 shares held by 2002 Ventures; and (iii) 1,713,317 shares held by 2005 Ventures. GP artner of 2002 Ventures and 2002 Partners and owns no securities of the Issuer directly. Taylor, Shoch, Kelly, Rubin, and Di GP 2002 and share voting and dispositive power over the shares held by 2002 Ventures and 2002 Partners. GP 2005 serves as res and owns no securities of the Issuer directly. Taylor, Shoch, Kelly, Di Bona, Rubin, Hanafi and Hunkapiller are managing oting and dispositive power over the shares held by Ventures. d based upon 28,930,095 shares of Common Stock outstanding as of October 31, 2017 as set forth in the Issuer's most recent d Exchange Commission on November 21, 2017.		
1	Names of Report Tony Di Bona	ing Persons.		
2	Check the Appro	priate Box if a Member of a Group*		
	(b) <u>x</u>	.(1)		
3	SEC Use Only			
4		ace of Organization d States of America		
	5	Sole Voting Power 0 shares		
Number of Shares Beneficially	6	Shared Voting Power 3,426,627 shares of Common Stock (2)		
Owned by Each Reporting Person With	7	Sole Dispositive Power 0 shares		
	8	Shared Dispositive Power 3,426,627 shares of Common Stock (2)		
9	Aggregate Amount Beneficially Owned by Each Reporting Person 3,426,627 shares of Common Stock (2)			
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* o			
11	Percent of Class 11.8% (3)	Represented by Amount in Row 9		
12	Type of Reportin	g Person*		

- (1) This Schedule 13G is filed by Alloy Ventures 2002, L.P. ("2002 Ventures"), Alloy Partners 2002, L.P. ("2002 Partners"), Alloy Ventures 2002, LLC ("GP 2002"), Alloy Ventures 2005, L.P., ("2005 Ventures"), Alloy Ventures 2005, LLC, ("GP 2005"), Craig Taylor ("Taylor"), John Shoch ("Shoch"), Douglas Kelly ("Kelly"), Tony Di Bona ("Di Bona"), Daniel Rubin ("Rubin"), Ammar Hanafi ("Hanafi"), and Michael Hunkapiller ("Hunkapiller" and together with 2002 Ventures, 2002 Partners, GP 2002, 2005 Ventures, GP 2005, Taylor, Shoch, Kelly, Di Bona, Rubin, and Hanafi, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.
- (2) Includes (i) 45,041 shares held by 2002 Partners; (ii) 1,668,269 shares held by 2002 Ventures; and (iii) 1,713,317 shares held by 2005 Ventures. GP 2002 serves as the sole general partner of 2002 Ventures and 2002 Partners and owns no securities of the Issuer directly. Taylor, Shoch, Kelly, Rubin, and Di Bona are managing directors of GP 2002 and share voting and dispositive power over the shares held by 2002 Ventures and 2002 Partners. GP 2005 serves as the sole general partner of Ventures and owns no securities of the Issuer directly. Taylor, Shoch, Kelly, Di Bona, Rubin, Hanafi and Hunkapiller are managing directors of GP 2005 and share voting and dispositive power over the shares held by Ventures.
- (3) This percentage is calculated based upon 28,930,095 shares of Common Stock outstanding as of October 31, 2017 as set forth in the Issuer's most recent 10-Q filed with the Securities and Exchange Commission on November 21, 2017.

10

1	Names of Reporti Daniel Rubin	ng Persons.	
2	Check the Approp	oriate Box if a Member of a Group*	
	(a) o		
	<del>-</del>	(1)	
3	SEC Use Only		
4	Citizenship or Pla United States of A	ace of Organization America	
	5	Sole Voting Power 0 shares	
Number of Shares Beneficially	6	Shared Voting Power 3,426,627 shares of Common Stock (2)	
Owned by Each Reporting Person With	7	Sole Dispositive Power 0 shares	
	8	Shared Dispositive Power 3,426,627 shares of Common Stock (2)	
9	Aggregate Amount Beneficially Owned by Each Reporting Person 3,426,627 shares of Common Stock (2)		
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* o		
11	Percent of Class Represented by Amount in Row 9 11.8% (3)		
12	Type of Reporting	g Person*	

<sup>(1)</sup> This Schedule 13G is filed by Alloy Ventures 2002, L.P. ("2002 Ventures"), Alloy Partners 2002, L.P. ("2002 Partners"), Alloy Ventures 2002, L.P. ("2002 Partners"), Alloy Ventures 2002, L.P. ("2005 Ventures 2005, L.P., ("2005 Ventures"), Alloy Ventures 2005, LLC, ("GP 2005"), Craig Taylor ("Taylor"), John Shoch ("Shoch"), Douglas Kelly ("Kelly"), Tony Di Bona ("Di Bona"), Daniel Rubin ("Rubin"), Ammar Hanafi ("Hanafi"), and Michael Hunkapiller ("Hunkapiller" and together with 2002 Ventures, 2002 Partners, GP 2002, 2005 Ventures, GP 2005, Taylor, Shoch, Kelly, Di Bona, Rubin, and Hanafi, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

<sup>(2)</sup> The shares are held by 2005 Ventures. GP 2005 serves as the sole general partner of 2005 Ventures and owns no securities of the Issuer directly. Taylor, Shoch, Kelly, Di Bona, Rubin, Hanafi and Hunkapiller are managing directors of GP 2005 and share voting and dispositive power over the shares held by 2005 Ventures.

<sup>(3)</sup> This percentage is calculated based upon 28,930,095 shares of Common Stock outstanding as of October 31, 2017 as set forth in the Issuer's most recent 10-Q filed with the Securities and Exchange Commission on November 21, 2017.

1	Names of Rep Ammar Hana	porting Persons. fi	
2		propriate Box if a Member of a Group*	
	(a)	0	
	(b)	x (1)	
3	SEC Use Onl	y	
4	Citizenship or Place of Organization United States of America		
	5	Sole Voting Power	
Number of Shares Beneficially	6	Shared Voting Power 1,713,317 shares of Common Stock (2)	
Owned by Each Reporting Person With	7	Sole Dispositive Power	
	8	Shared Dispositive Power 1,713,317 shares of Common Stock (2)	
9	Aggregate Amount Beneficially Owned by Each Reporting Person 1,713,317 shares of Common Stock (2)(4)		
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* o		
11	Percent of Class Represented by Amount in Row 9 5.9% (3)		
12	Type of Reporting Person* IN		

("GP 2002"), Alloy Ventures 2005, L.P., ("2005 Ventures"), Alloy Ventures 2005, LLC, ("GP 2005"), Craig Taylor ("Taylor"), John Shoch ("Shoch"), Douglas Kelly ("Kelly"), Tony Di Bona ("Di Bona"), Daniel Rubin ("Rubin"), Ammar Hanafi ("Hanafi"), and Michael Hunkapiller ("Hunkapiller" and together with 2002 Ventures, 2002 Partners, GP 2002, 2005 Ventures, GP 2005, Taylor, Shoch, Kelly, Di Bona, Rubin, and Hanafi, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

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1 Names of Reporting Persons. Michael Hunkapiller

2 Check the Appropriate Box if a Member of a Group\*

(a)

<sup>(2)</sup> The shares are held by 2005 Ventures. GP 2005 serves as the sole general partner of 2005 Ventures and owns no securities of the Issuer directly. Taylor, Shoch, Kelly, Di Bona, Rubin, Hanafi and Hunkapiller are managing directors of GP 2005 and share voting and dispositive power over the shares held by 2005 Ventures.

<sup>(3)</sup> This percentage is calculated based upon 28,930,095 shares of Common Stock outstanding as of October 31, 2017 as set forth in the Issuer's most recent 10-Q filed with the Securities and Exchange Commission on November 21, 2017.

	(b)	x (1)
3	SEC Use Only	
4	Citizenship or United States of	Place of Organization of America
	5	Sole Voting Power 0 shares
Number of Shares Beneficially	6	Shared Voting Power 1,713,317 shares of Common Stock (2)
Owned by Each Reporting Person With	7	Sole Dispositive Power 0 shares
	8	Shared Dispositive Power 1,713,317 shares of Common Stock (2)
9		ount Beneficially Owned by Each Reporting Person res of Common Stock (2)
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* o	
11	Percent of Class Represented by Amount in Row 9 5.9% (3)	
12	Type of Repor	ting Person*
12		ting Person*

This Schedule 13G is filed by Alloy Ventures 2002, L.P. ("2002 Ventures"), Alloy Partners 2002, L.P. ("2002 Partners"), Alloy Ventures 2002, LLC ("GP 2002"), Alloy Ventures 2005, L.P., ("2005 Ventures"), Alloy Ventures 2005, LLC, ("GP 2005"), Craig Taylor ("Taylor"), John Shoch ("Shoch"), Douglas Kelly ("Kelly"), Tony Di Bona ("Di Bona"), Daniel Rubin ("Rubin"), Ammar Hanafi ("Hanafi"), and Michael Hunkapiller ("Hunkapiller" and together with 2002 Ventures, 2002 Partners, GP 2002, 2005 Ventures, GP 2005, Taylor, Shoch, Kelly, Di Bona, Rubin, and Hanafi, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

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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 Restoration Robotics, Inc. (the "Issuer").

### Item 1

Name of Issuer: (a)

Restoration Robotics, Inc.

Address of Issuer's Principal Executive Offices: 128 Baytech Drive

San Jose, CA 95134

## Item 2

(a) Name of Person(s) Filing:

Alloy Partners 2002, L.P. ("2002 Partners")

Alloy Ventures 2002, L.P. ("2002 Ventures")

Alloy Ventures 2002, LLC ("GP 2002")

Alloy Ventures 2005, L.P. ("2005 Ventures")

Alloy Ventures 2005, LLC ("GP 2005")

The shares are held by 2005 Ventures. GP 2005 serves as the sole general partner of 2005 Ventures and owns no securities of the Issuer directly. Taylor, Shoch, Kelly, Di Bona, Rubin, Hanafi and Hunkapiller are managing directors of GP 2005 and share voting and dispositive power over the shares held by 2005 Ventures.

<sup>(3)</sup> This percentage is calculated based upon 28,930,095 shares of Common Stock outstanding as of October 31, 2017 as set forth in the Issuer's most recent 10-Q filed with the Securities and Exchange Commission on November 21, 2017.

	John Shoch ("Shocl Douglas Kelly ("Ke Tony Di Bona ("Di Daniel Rubin ("Rub Ammar Hanafi ("H. Michael Hunkapille	elly") Bona") pin") anafi")			
	Address of Principa c/o Alloy Ventures 1415 Hamilton Ave Palo Alto, CA 9430	nue			
	Citizenship:				
	Entities:	2002 Ventures 2002 Partners GP 2002 2005 Ventures GP 2005	- -	California, United States of America California, United States of America California, United States of America California, United States of America California, United States of America	
	Individuals:	Taylor Shoch Kelly Di Bona Rubin Hanafi Hunkapiller	- - - - -	United States of America	
	Title of Class of Society Common Stock	ecurities:			
	CUSIP Number: 98386L101				
n 3	Not applicable.			15	

### Item 4 Ownership.

Craig Taylor ("Taylor")

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, 2017:

	Shares Held	Sole Voting	Shared Voting	Sole Dispositive	Shared Dispositive	Beneficial	Percentage
Reporting Persons	Directly	Power	Power	Power	Power	Ownership	of Class (3)
2002 Partners	45,041	0	45,041	0	45,041	45,041	0.2%
2002 Ventures	1,668,269	0	1,668,269	0	1,668,269	1,668,269	5.8%
GP 2002 (1)	0	0	1,713,310	0	1,713,310	1,713,310	5.9%
2005 Ventures	1,713,317	0	1,713,317	0	1,713,317	1,713,317	5.9%
GP 2005 (2)	0	0	1,713,317	0	1,713,317	1,713,317	5.9%
Taylor (1)(2)	0	0	3,426,627	0	3,426,627	3,426,627	11.8%
Shoch (1)(2)	0	0	3,426,627	0	3,426,627	3,426,627	11.8%
Kelly (1)(2)	0	0	3,426,627	0	3,426,627	3,426,627	11.8%
Di Bona (1)(2)	0	0	3,426,627	0	3,426,627	3,426,627	11.8%
Rubin (2)	0	0	3,426,627	0	3,426,627	3,426,627	11.8%
Hanafi (2)	0	0	1,713,317	0	1,713,317	1,713,317	5.9%
Hunkapiller (2)	0	0	1,713,317	0	1,713,317	1,713,317	5.9%

<sup>(1)</sup> GP 2002 serves as the sole general partner of 2002 Ventures and 2002 Partners and owns no securities of the Issuer directly. Taylor, Shoch, Kelly, Rubin and Di Bona are managing directors of GP 2002 and share voting and dispositive power over the shares held by 2002 Ventures and 2002 Partners.

#### 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: o

<sup>(2)</sup> GP 2005 serves as the sole general partner of 2005 Ventures and owns no securities of the Issuer directly. Taylor, Shoch, Kelly, Di Bona, Rubin, Hanafi and Hunkapiller are managing directors of GP 2005 and share voting and dispositive power over the shares held by 2005 Ventures.

<sup>(3)</sup> This percentage is calculated based upon 28,930,095 shares of Common Stock outstanding as of October 31, 2017 as set forth in the Issuer's most recent 10-Q filed with the Securities and Exchange Commission on November 21, 2017.

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. 16 **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, 2018 Alloy Ventures 2002, L.P. By: Alloy Ventures 2002, LLC Its: General Partner By: /s/ Tony Di Bona as attorney-in-fact Managing Director Alloy Partners 2002, L.P. Alloy Ventures 2002, LLC By: Its: General Partner By: /s/ Tony Di Bona as attorney-in-fact Managing Director Alloy Ventures 2002, LLC /s/ Tony Di Bona as attorney-in-fact By: Managing Director Alloy Ventures 2005, L.P. By: Alloy Ventures 2005, LLC General Partner Its: /s/ Tony Di Bona as attorney-in-fact By: Managing Director Alloy Ventures 2005, LLC By: /s/ Tony Di Bona as attorney-in-fact Managing Director /s/ Tony Di Bona as attorney-in-fact **Craig Taylor** /s/ Tony Di Bona as attorney-in-fact John Shoch /s/ Tony Di Bona as attorney-in-fact **Douglas Kelly** 

	ny Di Bona as attorney-in-fact  Di Bona
	ny Di Bona as attorney-in-fact el Rubin
	ny Di Bona as attorney-in-fact  lar Hanafi
	ny Di Bona as attorney-in-fact  ael Hunkapiller
_	17
Exhil	pit(s):
A - Jo	oint Filing Statement
	18
	Exhibit A
	EXHIBIT A
	JOINT FILING STATEMENT
We, the Robo	ne undersigned, hereby express our agreement that the attached Schedule 13G (or any amendments thereto) relating to the Common Stock of Restoration tics, Inc. is filed on behalf of each of us.
Dated	l: February 13, 2018
Alloy	Ventures 2002, L.P.
	lloy Ventures 2002, LLC eneral Partner
By:	/s/ Tony Di Bona as attorney-in-fact Managing Director
Alloy	Partners 2002, L.P.
	alloy Ventures 2002, LLC eneral Partner
By:	/s/ Tony Di Bona as attorney-in-fact Managing Director
Alloy	Ventures 2002, LLC
By:	/s/ Tony Di Bona as attorney-in-fact Managing Director
Alloy	Ventures 2005, L.P.
By: A Its: G	eneral Partner
By:	/s/ Tony Di Bona as attorney-in-fact Managing Director
Alloy	Ventures 2005, LLC

 $\frac{\text{/s/ Tony Di Bona as attorney-in-fact}}{\text{Managing Director}}$ 

/s/ Tony Di Bona as attorney-in-fact	
Craig Taylor	
/s/ Tony Di Bona as attorney-in-fact	
John Shoch	
/s/ Tony Di Bona as attorney-in-fact	
Douglas Kelly	
/s/ Tony Di Bona as attorney-in-fact	
Tony Di Bona	
/s/ Tony Di Bona as attorney-in-fact	
Daniel Rubin	
/s/ Tony Di Bona as attorney-in-fact	
Ammar Hanafi	_
/s/ Tony Di Bona as attorney-in-fact	
Michael Hunkapiller	