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

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**SCHEDULE 13D**  
(Amendment No. 1)\*

Under the Securities Exchange Act of 1934

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**CLEARSIDE BIOMEDICAL, INC.**  
(Name of Issuer)

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Common Stock, \$0.001 Par Value  
(Title of Class of Securities)

185063 10 4  
(CUSIP Number)

Clay Thorp  
280 S. Mangum Street, Suite 350  
Durham, North Carolina 27701  
(919) 484-0730

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

January 20, 2017  
(Date of Event which Requires Filing of this Statement)

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If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§ 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box.

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**Note:** Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See § 240.13d-7 for other parties to whom copies are to be sent.

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\* 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).

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1.	Name of Reporting Person I.R.S. Identification No. of Above Person (Entities Only) 20-4822068  Hatteras Venture Advisors III, LLC
2.	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input type="checkbox"/>  Not Applicable
3.	SEC Use Only
4.	Source of Funds (See Instructions)  OO – See Item 3
5.	Check if Disclosure of Legal Proceeding Is Required Pursuant to Items 2(d) or 2(e)  Not Applicable
6.	Citizenship or Place of Organization  United States
Number of Shares Beneficially Owned By Each Reporting Person with	7. Sole Voting Power  0
	8. Shared Voting Power  1,754,373
	9. Sole Dispositive Power  0
	10. Shared Dispositive Power  1,754,373
11.	Aggregate Amount Beneficially Owned by Each Reporting Person  1,754,373
12.	Check Box if the Aggregate Amount in Row (11) Excludes Certain Shares  <input checked="" type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11)  7.1%
14.	Type of Reporting Person  CO

1.	Name of Reporting Person I.R.S. Identification No. of Above Person (Entities Only) 20-482290  Hatteras Venture Partners III, LP
2.	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input type="checkbox"/>  Not Applicable
3.	SEC Use Only
4.	Source of Funds (See Instructions)  OO – See Item 3
5.	Check if Disclosure of Legal Proceeding Is Required Pursuant to Items 2(d) or 2(e)  Not Applicable
6.	Citizenship or Place of Organization  United States
Number of Shares Beneficially Owned By Each Reporting Person with	7. Sole Voting Power  0
	8. Shared Voting Power  1,608,339
	9. Sole Dispositive Power  0
	10. Shared Dispositive Power  1,608,339
11.	Aggregate Amount Beneficially Owned by Each Reporting Person  1,608,339
12.	Check Box if the Aggregate Amount in Row (11) Excludes Certain Shares  <input type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11)  6.6%
14.	Type of Reporting Person  PN

1.	Name of Reporting Person I.R.S. Identification No. of Above Person (Entities Only) 20-5052088  Hatteras Venture Affiliates III, LP
2.	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input type="checkbox"/>  Not Applicable
3.	SEC Use Only
4.	Source of Funds (See Instructions)  OO – See Item 3
5.	Check if Disclosure of Legal Proceeding Is Required Pursuant to Items 2(d) or 2(e)  Not Applicable
6.	Citizenship or Place of Organization  United States
Number of Shares Beneficially Owned By Each Reporting Person with	7. Sole Voting Power  0
	8. Shared Voting Power  146,034
	9. Sole Dispositive Power  0
	10. Shared Dispositive Power  146,034
11.	Aggregate Amount Beneficially Owned by Each Reporting Person  146,034
12.	Check Box if the Aggregate Amount in Row (11) Excludes Certain Shares  <input type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11)  0.6%
14.	Type of Reporting Person  PN

1.	Name of Reporting Person I.R.S. Identification No. of Above Person (Entities Only)	
	Hatteras Venture Advisors IV SBIC, LLC	
2.	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
	Not Applicable	
3.	SEC Use Only	
4.	Source of Funds (See Instructions)	
	OO – See Item 3	
5.	Check if Disclosure of Legal Proceeding Is Required Pursuant to Items 2(d) or 2(e)	
	Not Applicable	
6.	Citizenship or Place of Organization	
	United States	
Number of Shares Beneficially Owned By Each Reporting Person with	7.	Sole Voting Power
		0
	8.	Shared Voting Power
		2,056,591
	9.	Sole Dispositive Power
		0
	10.	Shared Dispositive Power
		2,056,591
11.	Aggregate Amount Beneficially Owned by Each Reporting Person	
	2,056,591	
12.	Check Box if the Aggregate Amount in Row (11) Excludes Certain Shares	
	<input checked="" type="checkbox"/>	
13.	Percent of Class Represented by Amount in Row (11)	
	8.4%	
14.	Type of Reporting Person	
	CO	

1.	Name of Reporting Person I.R.S. Identification No. of Above Person (Entities Only) 32-0389462  Hatteras Venture Partners IV SBIC, LP
2.	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input type="checkbox"/>  Not Applicable
3.	SEC Use Only
4.	Source of Funds (See Instructions)  OO – See Item 3
5.	Check if Disclosure of Legal Proceeding Is Required Pursuant to Items 2(d) or 2(e)  Not Applicable
6.	Citizenship or Place of Organization  United States
Number of Shares Beneficially Owned By Each Reporting Person with	7. Sole Voting Power  0
	8. Shared Voting Power  2,056,591
	9. Sole Dispositive Power  0
	10. Shared Dispositive Power  2,056,591
11.	Aggregate Amount Beneficially Owned by Each Reporting Person  2,056,591
12.	Check Box if the Aggregate Amount in Row (11) Excludes Certain Shares  <input type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11)  8.4%
14.	Type of Reporting Person  CO

1.	Name of Reporting Person I.R.S. Identification No. of Above Person (Entities Only) 20-4822068  Hatteras Venture Advisors IV, LLC
2.	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input type="checkbox"/>  Not Applicable
3.	SEC Use Only
4.	Source of Funds (See Instructions)  OO – See Item 3
5.	Check if Disclosure of Legal Proceeding Is Required Pursuant to Items 2(d) or 2(e)  Not Applicable
6.	Citizenship or Place of Organization  United States
Number of Shares Beneficially Owned By Each Reporting Person with	7. Sole Voting Power  0
	8. Shared Voting Power  383,370
	9. Sole Dispositive Power  0
	10. Shared Dispositive Power  383,370
11.	Aggregate Amount Beneficially Owned by Each Reporting Person  383,370
12.	Check Box if the Aggregate Amount in Row (11) Excludes Certain Shares  <input checked="" type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11)  1.6%
14.	Type of Reporting Person  CO

1.	Name of Reporting Person I.R.S. Identification No. of Above Person (Entities Only) 45-2827886  Hatteras Venture Partners IV, LP
2.	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input type="checkbox"/>  Not Applicable
3.	SEC Use Only
4.	Source of Funds (See Instructions)  OO – See Item 3
5.	Check if Disclosure of Legal Proceeding Is Required Pursuant to Items 2(d) or 2(e)  Not Applicable
6.	Citizenship or Place of Organization  United States
Number of Shares Beneficially Owned By Each Reporting Person with	7. Sole Voting Power  0
	8. Shared Voting Power  260,040
	9. Sole Dispositive Power  0
	10. Shared Dispositive Power  260,040
11.	Aggregate Amount Beneficially Owned by Each Reporting Person  260,040
12.	Check Box if the Aggregate Amount in Row (11) Excludes Certain Shares  <input type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11)  1.1%
14.	Type of Reporting Person  CO



1.	Name of Reporting Person I.R.S. Identification No. of Above Person (Entities Only) 38-3890444  Hatteras NC Fund, LP
2.	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input type="checkbox"/>  Not Applicable
3.	SEC Use Only
4.	Source of Funds (See Instructions)  OO – See Item 3
5.	Check if Disclosure of Legal Proceeding Is Required Pursuant to Items 2(d) or 2(e)  Not Applicable
6.	Citizenship or Place of Organization  United States
Number of Shares Beneficially Owned By Each Reporting Person with	7. Sole Voting Power  0
	8. Shared Voting Power  123,330
	9. Sole Dispositive Power  0
	10. Shared Dispositive Power  123,330
11.	Aggregate Amount Beneficially Owned by Each Reporting Person  123,330
12.	Check Box if the Aggregate Amount in Row (11) Excludes Certain Shares  <input type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11)  0.5%
14.	Type of Reporting Person  CO

1.	Name of Reporting Person I.R.S. Identification No. of Above Person (Entities Only)  John C. Crumpler
2.	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input type="checkbox"/>  Not Applicable
3.	SEC Use Only
4.	Source of Funds (See Instructions)  OO – See Item 3
5.	Check if Disclosure of Legal Proceeding Is Required Pursuant to Items 2(d) or 2(e)  Not Applicable
6.	Citizenship or Place of Organization  United States
Number of Shares Beneficially Owned By Each Reporting Person with	7. Sole Voting Power  0
	8. Shared Voting Power  4,194,334
	9. Sole Dispositive Power  0
	10. Shared Dispositive Power  4,194,334
11.	Aggregate Amount Beneficially Owned by Each Reporting Person  4,194,334
12.	Check Box if the Aggregate Amount in Row (11) Excludes Certain Shares  <input type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11)  17.1%
14.	Type of Reporting Person  IN

1.	Name of Reporting Person I.R.S. Identification No. of Above Person (Entities Only)  <b>Robert A. Ingram</b>
2.	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input type="checkbox"/>  <b>Not Applicable</b>
3.	SEC Use Only
4.	Source of Funds (See Instructions)  <b>OO – See Item 3</b>
5.	Check if Disclosure of Legal Proceeding Is Required Pursuant to Items 2(d) or 2(e)  <b>Not Applicable</b>
6.	Citizenship or Place of Organization  <b>United States</b>
Number of Shares Beneficially Owned By Each Reporting Person with	7. Sole Voting Power  <b>0</b>
	8. Shared Voting Power  <b>4,194,334</b>
	9. Sole Dispositive Power  <b>0</b>
	10. Shared Dispositive Power  <b>4,194,334</b>
11.	Aggregate Amount Beneficially Owned by Each Reporting Person  <b>4,194,334</b>
12.	Check Box if the Aggregate Amount in Row (11) Excludes Certain Shares  <input type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11)  <b>17.1%</b>
14.	Type of Reporting Person  <b>IN</b>

1.	Name of Reporting Person I.R.S. Identification No. of Above Person (Entities Only)  <b>Kenneth B. Lee</b>
2.	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input type="checkbox"/>  <b>Not Applicable</b>
3.	SEC Use Only
4.	Source of Funds (See Instructions)  <b>OO – See Item 3</b>
5.	Check if Disclosure of Legal Proceeding Is Required Pursuant to Items 2(d) or 2(e)  <b>Not Applicable</b>
6.	Citizenship or Place of Organization  <b>United States</b>
Number of Shares Beneficially Owned By Each Reporting Person with	7. Sole Voting Power  <b>0</b>
	8. Shared Voting Power  <b>4,194,334</b>
	9. Sole Dispositive Power  <b>0</b>
	10. Shared Dispositive Power  <b>4,194,334</b>
11.	Aggregate Amount Beneficially Owned by Each Reporting Person  <b>4,194,334</b>
12.	Check Box if the Aggregate Amount in Row (11) Excludes Certain Shares  <input type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11)  <b>17.1%</b>
14.	Type of Reporting Person  <b>IN</b>

1.	Name of Reporting Person I.R.S. Identification No. of Above Person (Entities Only)
	Clay B. Thorp
2.	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input type="checkbox"/>
	Not Applicable
3.	SEC Use Only
4.	Source of Funds (See Instructions)
	OO – See Item 3
5.	Check if Disclosure of Legal Proceeding Is Required Pursuant to Items 2(d) or 2(e)
	Not Applicable
6.	Citizenship or Place of Organization
	United States
Number of Shares Beneficially Owned By Each Reporting Person with	7. Sole Voting Power
	0
	8. Shared Voting Power
	4,194,334
	9. Sole Dispositive Power
	0
	10. Shared Dispositive Power
	4,194,334
11.	Aggregate Amount Beneficially Owned by Each Reporting Person
	4,194,334
12.	Check Box if the Aggregate Amount in Row (11) Excludes Certain Shares
	<input type="checkbox"/>
13.	Percent of Class Represented by Amount in Row (11)
	17.1%
14.	Type of Reporting Person
	IN

1.	Name of Reporting Person I.R.S. Identification No. of Above Person (Entities Only)	
	Douglas Reed	
2.	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
	Not Applicable	
3.	SEC Use Only	
4.	Source of Funds (See Instructions)	
	OO – See Item 3	
5.	Check if Disclosure of Legal Proceeding Is Required Pursuant to Items 2(d) or 2(e)	
	Not Applicable	
6.	Citizenship or Place of Organization	
	United States	
Number of Shares Beneficially Owned By Each Reporting Person with	7.	Sole Voting Power
		0
	8.	Shared Voting Power
		4,194,334
	9.	Sole Dispositive Power
		0
	10.	Shared Dispositive Power
		4,194,334
11.	Aggregate Amount Beneficially Owned by Each Reporting Person	
	4,194,334	
12.	Check Box if the Aggregate Amount in Row (11) Excludes Certain Shares	
	<input type="checkbox"/>	
13.	Percent of Class Represented by Amount in Row (11)	
	17.1%	
14.	Type of Reporting Person	
	IN	

This Amendment No. 1 on Schedule 13D amends the statement on Schedule 13D, dated June 7, 2016, which relates to the Common Stock, par value \$0.001 per share (the “**Common Stock**”) of Clearside Biomedical, Inc. (the “**Issuer**”) filed by:

Hatteras Venture Advisors III, LLC (“**HVA III**”)  
Hatteras Venture Partners III, LP (“**HVP III**”)  
Hatteras Venture Affiliates III, LP (“**HV Affiliates**”)  
Hatteras Venture Advisors IV SBIC, LLC (“**HVA SBIC**”)  
Hatteras Venture Partners IV SBIC, LP (“**HVP SBIC**”)  
Hatteras Venture Advisors IV, LLC (“**HVA IV**”)  
Hatteras Venture Partners IV, LP (“**HVP IV**”)  
Hatteras NC Fund, LP (“**Hatteras Fund**”)  
John C. Crumpler  
Robert A. Ingram  
Kenneth B. Lee  
Clay B. Thorp  
Douglas Reed

(collectively, the “**Reporting Persons**”).

Except as expressly amended below, the Schedule 13D, dated June 7, 2016, remains in effect.

**Item 5. Interest in Securities of the Issuer.**

(a) Aggregate number and percentage beneficially owned:

HVA III — 1,754,373 or 7.1%  
HVP III — 1,608,339 or 6.6%  
HV Affiliates — 146,034 or less than 1%  
HVA SBIC — 2,056,591 or 8.4%  
HVP SBIC — 2,056,591 or 8.4%  
HVA IV — 383,370 or 1.6%  
HVP IV — 260,040 or 1.1%  
Hatteras Fund — 123,330 or less than 1%  
John C. Crumpler — 4,194,334 or 17.1%  
Robert A. Ingram — 4,194,334 or 17.1%  
Kenneth B. Lee — 4,194,334 or 17.1%  
Clay B. Thorp — 4,194,334 or 17.1%  
Douglas Reed — 4,194,334 or 17.1%

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

(i) Sole power to vote or to direct the vote

HVA III — 0  
HVP III — 0  
HV Affiliates — 0  
HVA SBIC — 0  
HVP SBIC — 0

HVA IV— 0  
HVP IV — 0  
Hatteras Fund— 0  
John C. Crumpler— 0  
Robert A. Ingram — 0  
Kenneth B. Lee — 0  
Clay B. Thorp — 0  
Douglas Reed — 0

(iii) Sole power to dispose or to direct the disposition of

HVA III — 0  
HVP III — 0  
HV Affiliates — 0  
HVA SBIC— 0  
HVP SBIC — 0  
HVA IV— 0  
HVP IV — 0  
Hatteras Fund— 0  
John C. Crumpler— 0  
Robert A. Ingram — 0  
Kenneth B. Lee — 0  
Clay B. Thorp — 0  
Douglas Reed — 0

(iv) Shared power to dispose or to direct the disposition of

HVA III — 1,754,373  
HVP III — 1,608,339  
HV Affiliates — 146,034  
HVA SBIC— 2,056,591  
HVP SBIC — 2,056,591  
HVA IV— 383,370  
HVP IV — 260,040  
Hatteras Fund— 123,330  
John C. Crumpler — 4,194,334  
Robert A. Ingram — 4,194,334  
Kenneth B. Lee — 4,194,334  
Clay B. Thorp — 4,194,334  
Douglas Reed — 4,194,334

(ii) Shared power to vote or to direct the vote

HVA III — 1,754,373  
HVP III — 1,608,339  
HV Affiliates — 146,034  
HVA SBIC— 2,056,591  
HVP SBIC — 2,056,591  
HVA IV— 383,370  
HVP IV — 260,040  
Hatteras Fund— 123,330  
John C. Crumpler — 4,194,334  
Robert A. Ingram — 4,194,334



Kenneth B. Lee — 4,194,334

Clay B. Thorp — 4,194,334

Douglas Reed — 4,194,334

(c) Each of the required transactions described in this Item 5(a) were reported on Forms 4 filed with the Securities and Exchange Commission (the “SEC”) pursuant to Section 16 of the Act and are available on the SEC’s website at [www.sec.gov](http://www.sec.gov). The information reported in such filings is expressly incorporated herein.

**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.

Date: February 8, 2017

HATTERAS VENTURE ADVISORS III, LLC

By: /s/ Clay B. Thorp  
Manager

HATTERAS VENTURE PARTNERS III, LP

By: Hatteras Venture Advisors III, LLC, its general partner

By: /s/ Clay B. Thorp  
Manager

HATTERAS VENTURE AFFILIATES III, LP

By: Hatteras Venture Advisors III, LLC, its general partner

By: /s/ Clay B. Thorp  
Manager

HATTERAS VENTURE ADVISORS IV SBIC, LLC

By: /s/ Clay B. Thorp  
Manager

HATTERAS VENTURE PARTNERS IV SBIC, LP

By: Hatteras Venture Advisors IV SBIC, LLC, its general partner

By: /s/ Clay B. Thorp  
Manager

HATTERAS VENTURE ADVISORS IV, LLC

By: /s/ Clay B. Thorp  
Manager

HATTERAS VENTURE PARTNERS IV, LP

By: Hatteras Venture Advisors IV, LLC, its general partner

By: /s/ Clay B. Thorp  
Manager

HATTERAS NC FUND, LP

By: Hatteras Venture Advisors IV, LLC, its general partner

By: /s/ Clay B. Thorp  
Manager

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John C. Crumpler

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Robert A. Ingram

\*

Kenneth B. Lee

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Clay B. Thorp

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Douglas Reed

By: /s/ Clay B. Thorp  
Clay B. Thorp, as Attorney-in-Fact

This Amendment No. 1 to Schedule 13D was executed by Clay B. Thorp on behalf of the individuals listed above pursuant to a Power of Attorney a copy of which was previously filed with the Reporting Person's Schedule 13D filed with the SEC on June 17, 2016.