

OMB APPROVAL	
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

1. Name and Address of Reporting Person* <u>Flynn James E</u> _____ (Last) (First) (Middle) 780 THIRD AVENUE, 37TH FLOOR _____ (Street) NEW YORK NY 10017 _____ (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Homology Medicines, Inc. [FIXX]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) <input checked="" type="checkbox"/> Other (specify below) *Director by Deputization
	3. Date of Earliest Transaction (Month/Day/Year) 03/27/2018	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

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			

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
Stock Option (Right to Buy)	\$16	03/27/2018		A		31,160 ⁽¹⁾			(2)	03/27/2028	Common Stock	31,160 ⁽¹⁾	\$0	31,160 ⁽¹⁾	I	Through Deerfield Management Company, L.P. ⁽¹⁾⁽³⁾

1. Name and Address of Reporting Person*
Flynn James E

 (Last) (First) (Middle)
 780 THIRD AVENUE, 37TH FLOOR

 (Street)
 NEW YORK NY 10017

 (City) (State) (Zip)

1. Name and Address of Reporting Person*
DEERFIELD MANAGEMENT COMPANY, L.P. (SERIES C)

 (Last) (First) (Middle)
 780 THIRD AVENUE, 37TH FLOOR

 (Street)
 NEW YORK NY 10017

 (City) (State) (Zip)

Explanation of Responses:

- Cameron Wheeler, an employee of Deerfield Management Company, L.P. ("Deerfield Management"), serves as a director of the Issuer. The option granted to Cameron Wheeler and reported herein is held for the benefit, and at the direction, of Deerfield Management.
- The option shall vest and become exercisable with respect to one-third of the shares on each of March 27, 2019, March 27, 2020 and March 27, 2021.
- This Form 4 is being filed by the undersigned as well as the entity listed on the Joint Filer Information Statement attached as an exhibit hereto (the "Reporting Persons"). James E. Flynn is the sole member of the general partner of Deerfield Management. For purposes of Section 16 of the Securities Exchange Act of 1934, as amended, each Reporting Person disclaims beneficial ownership of any such securities, except to the extent of his/its indirect pecuniary interest therein, if any, and this report shall not be deemed an admission that such Reporting Person is the beneficial owner of such securities for purposes of Section 16 or otherwise.

Remarks:

Cameron Wheeler, an employee of Deerfield Management, serves as a director of the Issuer. Jonathan Isler, Attorney-in-Fact: Power of Attorney, which is hereby incorporated by reference to Exhibit 24 to a Form 3 with regard to Proteon Therapeutics, Inc. filed with the Securities and Exchange Commission on August 4, 2017 by Deerfield Special Situations Fund, L.P., Deerfield Partners, L.P., Deerfield International Master Fund, L.P., Deerfield Private Design Fund III, L.P., Deerfield Private Design Fund IV, L.P., Deerfield Mgmt, L.P., Deerfield Mgmt III, L.P., Deerfield Mgmt IV, L.P., Deerfield Management Company, L.P., and James E. Flynn.

/s/ Jonathan Isler, Attorney-in- 03/29/2018

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.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.

Joint Filer Information

Names: Deerfield Management Company, L.P.

Address: 780 Third Avenue, 37th Floor
New York, NY 10017

Designated Filer: James E. Flynn

Issuer and Ticker Symbol: Homology Medicines, Inc. [FIXX]

Date of Event Requiring Statement: March 27, 2018

The undersigned, Deerfield Management Company, L.P., is jointly filing the attached Statement of Changes in Beneficial Ownership on Form 4 with James E. Flynn with respect to the beneficial ownership of securities of Homology Medicines, Inc.

Signatures:

DEERFIELD MANAGEMENT COMPANY, L.P.

By: Flynn Management LLC, General Partner

By: /s/ Jonathan Isler
Jonathan Isler, Attorney-In-Fact