

---

---

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

---

**SCHEDULE 13G**

**Under the Securities Exchange Act of 1934  
(Amendment No. )\***

---

**NantKwest, Inc.**  
(Name of Issuer)

**Common Stock par value, \$0.0001 per share**  
(Title of Class of Securities)

**63016Q102**  
(CUSIP Number)

**December 31, 2015**  
(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 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).

---

---

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	Bonderman Family Limited Partnership	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION  United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER  0
	6.	SHARED VOTING POWER  4,485,495(a)
	7.	SOLE DISPOSITIVE POWER  0
	8.	SHARED DISPOSITIVE POWER  4,485,495(a)
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  4,485,495	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  5.5%*	
12.	TYPE OF REPORTING PERSON (see instructions)  PN	

(a) See Item 4.

\* Based upon 81,220,377 shares of common stock outstanding as of October 31, 2015, as set forth in the Issuer's Quarterly Report on Form 10-Q for the quarter ended September 30, 2015, filed with the Securities and Exchange Commission (the "SEC") on November 12, 2015.

1.	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
	Wildcat Capital Management, LLC	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION  Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER  0
	6.	SHARED VOTING POWER  4,485,495 (a)
	7.	SOLE DISPOSITIVE POWER  0
	8.	SHARED DISPOSITIVE POWER  4,485,495 (a)
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  4,485,495	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  5.5%*	
12.	TYPE OF REPORTING PERSON (see instructions)  OO	

(a) See Item 4.

\* Based upon 81,220,377 shares of common stock outstanding as of October 31, 2015, as set forth in the Issuer's Quarterly Report on Form 10-Q for the quarter ended September 30, 2015, filed with the SEC on November 12, 2015.

**Item 1.**

- (a) Name of Issuer  
NantKwest, Inc. (“Issuer”)
- (b) Address of Issuer’s Principal Executive Offices  
3530 John Hopkins Court  
San Diego, California 92121

**Item 2.**

- (a) Name of Person Filing  
Bonderman Family Limited Partnership (“BFLP”) and Wildcat Capital Management, LLC (“Wildcat” and together with BFLP, collectively, the “Reporting Persons”)  
  
The Reporting Persons are making this single, joint filing pursuant to Rule 13d-1(k)(1) under the Act; neither the fact of this filing nor anything contained herein shall be deemed to be an admission by the Reporting Persons that a “group” within the meaning of Section 13(d)(3) of the Act exists.
- (b) Address of the Principal Office or, if none, residence  
The address of all Reporting Persons is:  
301 Commerce Street, Suite 3300  
Fort Worth, Texas 76102
- (c) Citizenship  
BFLP is a Texas limited partnership. Wildcat is a Delaware limited liability company.
- (d) Title of Class of Securities  
Common stock, par value \$0.0001 per share
- (e) CUSIP Number  
63016Q102

**Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:**

- (a)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
- (b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c)  Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
- (d)  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
- (e)  An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with §240.13d-1(b)(1)(ii)(G);
- (h)  A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j)  Group, in accordance with §240.13d-1(b)(1)(ii)(J).

**Item 4. Ownership.**

## (a) Amount beneficially owned:

Bonderman Family Limited Partnership:

BFLP directly holds 4,485,495 shares of common stock.

Wildcat Capital Management, LLC:

Wildcat may be deemed to be the beneficial owner of 4,485,495 shares of common stock based on having voting power which includes the power to vote, or to direct the voting of, such shares and investment power which includes the power to dispose, or to direct the disposition of, such shares pursuant to the terms of the BFLP limited partnership agreement and an investment management agreement to which Wildcat and BFLP are parties.

## (b) Percent of class:

Bonderman Family Limited Partnership: 5.5%

Wildcat Capital Management, LLC: 5.5%

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

(i) Sole power to vote or to direct the vote: 0

(ii) Shared power to vote or to direct the vote 4,485,495.

Wildcat and BFLP are party to an investment management agreement pursuant to which all voting power over Issuer's shares held by BFLP is delegated to Wildcat. The investment management agreement can be terminated by a majority of the limited partners in BFLP with 15 days' prior notice or by Wildcat on 90 days' prior notice. Further, BFLP may direct Wildcat to proscribe a particular investment, investment strategy or investment type. Consequently, Wildcat has shared power to vote 4,485,495 shares of Issuer's common stock.

(iii) Sole power to dispose or to direct the disposition of: 0

(iv) Shared power to dispose or to direct the disposition of 4,485,495.

Wildcat and BFLP are party to an investment management agreement pursuant to which investment power, including dispositive power, over Issuer's shares held by BFLP is delegated to Wildcat. The investment management agreement can be terminated by a majority of the limited partners in BFLP with 15 days' prior notice or by Wildcat on 90 days' prior notice. Further, BFLP may direct Wildcat to proscribe a particular investment, investment strategy or investment type. Consequently, Wildcat has shared power to dispose or to direct the disposition of 4,485,495 shares of Issuer's common stock.

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

Not applicable

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

Not applicable

**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.**

This Schedule 13G Statement is being jointly filed on behalf of each of the Reporting Persons pursuant to Rules 13d-1(c) and 13d-1(k)(1). The agreement required by Rule 13d-1(k)(1)(iii) is attached hereto as Exhibit A.

**Item 9. Notice of Dissolution of Group.**

Not applicable

**Item 10. Certification.**

By signing below each party certifies that, to the best of his or its knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under § 240.14a-11.

**SIGNATURES**

After reasonable inquiry and to the best of their knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Date: February 12, 2016

**BONDERMAN FAMILY LIMITED PARTNERSHIP**

by: Bond Management GP, LLC, its general partner

By: /s/ Clive D. Bode

Name: Clive D. Bode

Title: President

**WILDCAT CAPITAL MANAGEMENT, LLC**

By: /s/ Leonard Potter

Name: Leonard Potter

Title: President

**Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001)**

EXHIBIT A

AGREEMENT TO FILE SCHEDULE 13G JOINTLY

Pursuant to the requirements of Rule 13d-1(k)(1)(iii), the undersigned hereby agree that whenever one or more of them is required to file a statement containing the information required by Schedule 13G (or an amendment thereto) relating to shares of NantKwest, Inc., which this Schedule 13G related as to each of them to the same securities, only one such statement shall be filed on behalf of all such persons containing the required information with regard to each such person.

Date: February 12, 2016

**BONDERMAN FAMILY LIMITED PARTNERSHIP**

by: Bond Management GP, LLC, its general partner

By: /s/ Clive D. Bode

Name: Clive D. Bode

Title: President

Date: February 12, 2016

**WILDCAT CAPITAL MANAGEMENT, LLC**

By: /s/ Leonard Potter

Name: Leonard Potter

Title: President