LIEF JACK Form 4 March 18, 2010

FORM 4

Check this box

if no longer

subject to

Section 16.

Form 4 or

obligations

may continue.

Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

See Instruction 1(b).

(Last)

C/O ARENA

(Print or Type Responses)

1. Name and Address of Reporting Person * LIEF JACK

(First)

2. Issuer Name and Ticker or Trading

Symbol

ARENA PHARMACEUTICALS

INC [ARNA]

3. Date of Earliest Transaction

(Month/Day/Year) 03/17/2010

PHARMACEUTICALS, INC., 6166

(Middle)

4. If Amendment, Date Original

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

6. Individual or Joint/Group Filing(Check

5. Relationship of Reporting Person(s) to

(Check all applicable)

Chairman, President and CEO

10% Owner

Other (specify

Issuer

below)

_X__ Director

Applicable Line)

X_ Officer (give title

SAN DIEGO, CA 92121

NANCY RIDGE DRIVE

(City) (State) (Zip)

(Street)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) (Instr. 3)

3. Execution Date, if Code (Month/Day/Year)

TransactionAcquired (A) or Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

4. Securities

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

Reported Transaction(s) (Instr. 3 and 4)

Code V Amount (D) Price

(A)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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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. Transacti Code (Instr. 8)	5. Number of or Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)			7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount Number Shares
Employee Stock Option (right to buy)	\$ 3.25	03/17/2010		A	144,750	<u>(1)</u>	03/17/2020	Common Stock	144,75

Reporting Owners

Reporting Owner Name / Address	Relationships					
coporting of the common control	Director	10% Owner	Officer	Other		
LIEF JACK C/O ARENA PHARMACEUTICALS, INC. 6166 NANCY RIDGE DRIVE SAN DIEGO, CA 92121	X		Chairman, President and CEO			

Signatures

Adam S. Chinnock, as Attorney-in-Fact

03/18/2010

**Signature of Reporting Person Date

Explanation of Responses:

- * 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).
- (1) The options vest in four equal annual installments (except as otherwise necessary to avoid vesting of a fractional share) beginning on March 17, 2011, and are exercisable once vested.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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