

**UNITED STATES
SECURITIES AND EXCHANGE
COMMISSION**

Washington, D.C. 20549

SCHEDULE 13D

OMB APPROVAL
OMB Number: 3235-0145
Expires: February 28, 2009
Estimated average burden hours per response. . 14.5

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

Horizon Pharma, Inc.

(Name of Issuer)

Common Stock, \$0.0001 par value per share

(Title of Class of Securities)

44047T109

(CUSIP Number)

**Michael R. Murphy
Discovery Group I, LLC
191 North Wacker Drive
Suite 1685**

**Chicago, Illinois 60606
Telephone Number: (312) 265-9600**

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

August 2, 2012

(Date of Event which Requires Filing of this Statement)

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.

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.

*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.
Discovery Equity Partners, L.P.

2. Check the Appropriate Box if a Member of a Group (See Instructions)
(a)
(b)

3. SEC Use Only

4. Source of Funds (See Instructions)
WC

5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)

6. Citizenship or Place of Organization
Illinois

7. Sole Voting Power
None.

8. Shared Voting Power
2,211,885

9. Sole Dispositive Power
None.

10. Shared Dispositive Power
2,211,885

11. Aggregate Amount Beneficially Owned by Each Reporting Person
2,211,885

12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)

13. Percent of Class Represented by Amount in Row (11)
6.5%

14. Type of Reporting Person (See Instructions)
PN

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

1. Names of Reporting Persons.
Discovery Group I, LLC

2. Check the Appropriate Box if a Member of a Group (See Instructions)
(a)
(b)

3. SEC Use Only

4. Source of Funds (See Instructions)
AF

5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)

6. Citizenship or Place of Organization
Delaware

7. Sole Voting Power
None.

8. Shared Voting Power
2,550,868

9. Sole Dispositive Power
None.

10. Shared Dispositive Power
2,550,868

11. Aggregate Amount Beneficially Owned by Each Reporting Person
2,550,868

12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)

13. Percent of Class Represented by Amount in Row (11)
7.5%

14. Type of Reporting Person (See Instructions)
IA

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

1. Names of Reporting Persons.
Daniel J. Donoghue
2. Check the Appropriate Box if a Member of a Group (See Instructions)
(a)
(b)
3. SEC Use Only
4. Source of Funds (See Instructions)
AF
5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)
6. Citizenship or Place of Organization
United States of America
7. Sole Voting Power
None.
8. Shared Voting Power
2,550,868
9. Sole Dispositive Power
None.
10. Shared Dispositive Power
2,550,868
11. Aggregate Amount Beneficially Owned by Each Reporting Person
2,550,868
12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)
13. Percent of Class Represented by Amount in Row (11)
7.5%
14. Type of Reporting Person (See Instructions)
IN

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

1. Names of Reporting Persons.
Michael R. Murphy
2. Check the Appropriate Box if a Member of a Group (See Instructions)
(a)
(b)
3. SEC Use Only
4. Source of Funds (See Instructions)
AF
5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)
6. Citizenship or Place of Organization
United States of America
7. Sole Voting Power
None.
8. Shared Voting Power
2,550,868
9. Sole Dispositive Power
None.
10. Shared Dispositive Power
2,550,868
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12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions)
13. Percent of Class Represented by Amount in Row (11)
7.5%
14. Type of Reporting Person (See Instructions)
IN

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

Item 1. Security and Issuer

This statement relates to the Common Stock, \$0.0001 par value per share (the “**Common Stock**”), of Horizon Pharma, Inc., a Delaware corporation (the “**Company**”), which has its principal executive offices at 520 Lake Cook Road, Suite 520, Deerfield, Illinois 60015.

Item 2. Identity and Background

This statement is being jointly filed by the following persons (the “**Reporting Persons**”):

Discovery Equity Partners, L.P. (“**Discovery Equity Partners**”) is an Illinois limited partnership primarily engaged in the business of investing in securities.

Discovery Group I, LLC (“**Discovery Group**”) is a Delaware limited liability company and a registered investment adviser under the Investment Advisers Act of 1940, as amended, that is primarily engaged in the business of investing in securities on behalf of institutional clients.

Daniel J. Donoghue is a Managing Member of Discovery Group and of various related entities, which is his principal occupation.

Michael R. Murphy is a Managing Member of Discovery Group and of various related entities, which is his principal occupation.

Both Mr. Donoghue and Mr. Murphy are United States citizens.

The business address of each of the Reporting Persons is 191 North Wacker Drive, Suite 1685, Chicago, Illinois 60606.

During the past five years, none of the Reporting Persons have been (i) convicted in a criminal proceeding (excluding traffic violations or similar misdemeanors) or (ii) a party to a civil proceeding of a judicial or administrative body of competent jurisdiction and as a result of such proceeding was or is subject to a judgment, decree or final order enjoining future violations of, or prohibiting or mandating activities subject to, federal or state securities laws, or finding any violation with respect to such laws.

Item 3. Source and Amount of Funds or Other Consideration

The total purchase price for the 2,550,868 shares of Common Stock beneficially owned by Discovery Group and Messrs. Donoghue and Murphy as of August 10, 2012 was approximately \$14,955,554 and the total purchase price for the 2,211,885 shares of Common Stock beneficially owned by Discovery Equity Partners was approximately \$12,968,679. The source of such funds was the assets of Discovery Equity Partners and another private investment partnership (collectively, the “**Partnerships**”) over which Discovery Group exercises discretionary investment management authority, including proceeds of margin loans under margin loan facilities maintained in the ordinary course of business by the Partnerships with a broker on customary terms and conditions. The Partnerships are the legal owner of all of the Common Stock beneficially owned by Discovery Group and Messrs. Donoghue and Murphy.

Item 4. Purpose of Transaction

The Reporting Persons acquired beneficial ownership of the shares of Common Stock reported herein as part of their investment activities on behalf of the Partnerships. The Reporting Persons acquired the shares of Common Stock reported herein because they believe that the trading prices of the Common Stock do not adequately reflect the potential value of the Company's underlying business and assets.

The Reporting Persons intend to review and evaluate their investment in the Common Stock on an ongoing basis and may, depending upon their evaluation of the business and prospects of the Company, or such other considerations as they may deem relevant, determine to increase, decrease, or dispose of their holdings of Common Stock. As a part of such review and evaluation, the Reporting Persons may hold additional discussions with the Company's management and directors, other shareholders and other interested parties.

Except as otherwise described in this Item 4, the Reporting Persons do not have present plans or proposals that relate to or would result in any of the following (although the Reporting Persons reserve the right to develop such plans or proposals or any other plans relating to the Company and to take action with respect thereto): (i) the acquisition by any person of additional securities of the Company, or the disposition of securities of the Company; (ii) an extraordinary corporate transaction, such as a merger, reorganization, or liquidation, involving the Company or any of its subsidiaries; (iii) a sale or transfer of a material amount of assets of the Company or any of its subsidiaries; (iv) any change in the present board of directors or management of the Company, including any plans or proposals to change the number or term of directors or to fill any existing vacancies on the board; (v) any material change in the present capitalization or dividend policy of the Company; (vi) any other material change in the Company's business or corporate structure; (vii) changes in the Company's certificate of incorporation, bylaws, or instruments corresponding thereto or other actions that may impede the acquisition of control of the Company by any person; (viii) causing a class of securities of the Company to be delisted from a national securities exchange or to cease to be authorized to be quoted in an inter-dealer quotation system of a registered national securities association; (ix) a class of equity securities of the Company becoming eligible for termination of registration pursuant to Section 12(g)(4) of the Securities Exchange Act of 1934, as amended; or (x) any action similar to any of those enumerated above.

Item 5. Interest in Securities of the Issuer

The information concerning percentages of ownership set forth below is based on 33,787,180 shares of Common Stock reported outstanding as of August 7, 2012 in the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2012.

Discovery Equity Partners beneficially owns 2,211,885 shares of Common Stock as of August 10, 2012, which represents 6.5% of the outstanding Common Stock.

Discovery Group beneficially owns 2,550,868 shares of Common Stock as of August 10, 2012, which represents 7.5% of the outstanding Common Stock.

Mr. Donoghue beneficially owns 2,550,868 shares of Common Stock as of August 10, 2012, which represents 7.5% of the outstanding Common Stock.

Mr. Murphy beneficially owns 2,550,868 shares of Common Stock as of August 10, 2012, which represents 7.5% of the outstanding Common Stock.

Discovery Group is the sole general partner of Discovery Equity Partners and has sole discretionary investment authority with respect to the other Partnership's investment in the Common Stock. Messrs. Donoghue and Murphy are the sole managing members of Discovery Group. As a consequence, Discovery Group and Messrs. Donoghue and Murphy may be deemed to share beneficial ownership of all of the shares of Common Stock owned by both of the Partnerships, while Discovery Equity Partners shares beneficial ownership with Discovery Group and Messrs. Donoghue and Murphy of only the shares of Common Stock owned by it.

The transactions in Common Stock effected by the Reporting Persons during the past 60 days are set out in Exhibit 1 hereto.

No person other than the Partnerships is known to any Reporting Person to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, any of the shares of Common Stock reported herein.

Item 6. Contracts, Arrangements, Understandings or Relationships with Respect to Securities of the Issuer

There are no contracts, arrangements, understandings or relationships (legal or otherwise) between or among any of the Reporting Persons and any other person with respect to any securities of the Company other than the governing documents of Discovery Group and the Partnerships, the margin loan facilities referred to under Item 3 above, the Joint Filing Agreement of the Reporting Persons with respect to this Schedule 13D included as Exhibit 2 to this Schedule 13D, and the Powers of Attorney granted by Messrs Donoghue and Murphy with respect to reports under Section 13 of the Securities Exchange Act of 1934, as amended, which Powers of Attorney are included as Exhibit 3 and Exhibit 4, respectively, to this Schedule 13D.

Item 7. Material to Be Filed as Exhibits

Exhibit 1: List of transactions effected by the Reporting Persons in the Company's Common Stock during the 60-day period preceding this filing.

Exhibit 2: Joint Filing Agreement dated as of August 13, 2012, by and among Discovery Equity Partners; Discovery Group; Daniel J. Donoghue; and Michael R. Murphy.

Exhibit 3: Power of Attorney of Daniel J. Donoghue, dated as of April 28, 2008.

Exhibit 4: Power of Attorney of Michael R. Murphy, dated as of April 28, 2008.

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.

August 13, 2012

Date

DISCOVERY GROUP I, LLC,
for itself and as general partner of
DISCOVERY EQUITY PARTNERS, L.P.

By: Michael R. Murphy*

Signature

Michael R. Murphy, Managing Member

Name/Title

Daniel J. Donoghue*

Signature

Daniel J. Donoghue

Name/Title

Michael R. Murphy*

Signature

Michael R. Murphy

Name/Title

*By: /s/ Mark Buckley

Mark Buckley

Attorney-in-Fact for Daniel J. Donoghue

Attorney-in-Fact for Michael R. Murphy

Exhibit Index

- | | |
|-----------|---|
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| Exhibit 3 | Power of Attorney of Daniel J. Donoghue, dated as of April 28, 2008. |
| Exhibit 4 | Power of Attorney of Michael R. Murphy, dated as of April 28, 2008. |

TRANSACTIONS DURING PAST 60 DAYS

The Reporting Persons engaged in the following transactions in shares of Common Stock of the Company during the past 60 days. Such transactions involved the sale of shares on the NASDAQ Global Market. Certain of the prices reported below reflect the weighted average sale price of the shares of Common Stock sold on the relevant date. The Reporting Persons hereby undertake to provide upon request to the SEC staff full information regarding the number of shares and prices at which each transaction was effected.

Date	Type	Price	Shares
6/20/2012	Purchase	\$ 4.7500	100
6/21/2012 ¹	Purchase	\$ 4.9137	70593
7/17/2012 ²	Purchase	\$ 7.3421	83100
7/18/2012 ³	Purchase	\$ 7.1847	57500
7/19/2012 ⁴	Purchase	\$ 7.1592	76565
7/20/2012 ⁵	Purchase	\$ 7.2245	63910
7/23/2012	Purchase	\$ 7.5000	2700
7/25/2012 ⁶	Purchase	\$ 7.4602	64025
7/26/2012 ⁷	Purchase	\$ 6.7196	131900
7/26/2012 ⁸	Purchase	\$ 7.4184	92961
7/27/2012 ⁹	Purchase	\$ 6.1579	517178
7/27/2012 ¹⁰	Purchase	\$ 7.0716	55000
7/27/2012 ¹¹	Sell	\$ 6.3103	2950
7/30/2012 ¹²	Purchase	\$ 5.8125	170275
7/31/2012 ¹³	Purchase	\$ 5.6965	167603
8/1/2012 ¹⁴	Purchase	\$ 5.1504	102207
8/2/2012 ¹⁵	Purchase	\$ 5.0228	242661
8/3/2012 ¹⁶	Purchase	\$ 5.1377	251481
8/6/2012 ¹⁷	Purchase	\$ 5.1601	69591
8/7/2012 ¹⁸	Purchase	\$ 5.1576	50989
8/8/2012 ¹⁹	Purchase	\$ 4.7124	166048
8/9/2012 ²⁰	Purchase	\$ 4.6872	61827
8/10/2012 ²¹	Purchase	\$ 4.6383	55604

¹ This transaction was executed in multiple trades at prices ranging from \$4.78 – 4.99.

² This transaction was executed in multiple trades at prices ranging from \$7.20 – 7.50.

³ This transaction was executed in multiple trades at prices ranging from \$7.10 – 7.33.

⁴ This transaction was executed in multiple trades at prices ranging from \$7.12 – 7.25.

⁵ This transaction was executed in multiple trades at prices ranging from \$7.07 – 7.32.

⁶ This transaction was executed in multiple trades at prices ranging from \$7.06 – 7.50.

⁷ This transaction was executed in multiple trades at prices ranging from \$6.10 – 7.00.

⁸ This transaction was executed in multiple trades at prices ranging from \$7.18 – 7.50.

⁹ This transaction was executed in multiple trades at prices ranging from \$5.75 – 6.64.

¹⁰ This transaction was executed in multiple trades at prices ranging from \$6.80 – 7.20.

¹¹ This transaction was executed in multiple trades at prices ranging from \$6.31 – 6.32.

¹² This transaction was executed in multiple trades at prices ranging from \$5.70 – 6.12.

¹³ This transaction was executed in multiple trades at prices ranging from \$5.62 – 5.81.

¹⁴ This transaction was executed in multiple trades at prices ranging from \$5.05 – 5.17.

¹⁵ This transaction was executed in multiple trades at prices ranging from \$4.96 – 5.07.

¹⁶ This transaction was executed in multiple trades at prices ranging from \$5.09 – 5.20.

¹⁷ This transaction was executed in multiple trades at prices ranging from \$5.15 – 5.19.

¹⁸ This transaction was executed in multiple trades at prices ranging from \$5.08 – 5.25.

¹⁹ This transaction was executed in multiple trades at prices ranging from \$4.58 – 4.92.

²⁰ This transaction was executed in multiple trades at prices ranging from \$4.61 – 4.80.

²¹ This transaction was executed in multiple trades at prices ranging from \$4.52 – 4.75.

JOINT FILING AGREEMENT

The undersigned hereby agree to the joint filing of the Schedule 13D to which this Agreement is attached.

Dated: August 13, 2012

DISCOVERY GROUP I, LLC
for itself and as general partner of
DISCOVERY EQUITY PARTNERS, L.P.

By Michael R. Murphy*
Michael R. Murphy
Managing Member

Daniel J. Donoghue*
Daniel J. Donoghue

Michael R. Murphy*
Michael R. Murphy

*By: /s/ Mark Buckley
Mark Buckley
Attorney-in-Fact for Daniel J. Donoghue
Attorney-in-Fact for Michael R. Murphy

POWER OF ATTORNEY

The undersigned, Daniel J. Donoghue, hereby appoints Mark Buckley his true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on his behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorney-in-fact and agent.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 28th day of April, 2008.

/s/ Daniel J. Donoghue
Daniel J. Donoghue

STATE OF ILLINOIS)
) SS.
COUNTY OF COOK)

I, Kareema M. Cruz, a Notary Public in and for the County of Cook, State of Illinois, DO HEREBY CERTIFY that Daniel J. Donoghue, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed and delivered the said instrument as his own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 28th day of April, 2008.

/s/ Kareema M. Cruz
Notary Public

POWER OF ATTORNEY

The undersigned, Michael R. Murphy, hereby appoints Mark Buckley his true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on his behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorney-in-fact and agent.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 28th day of April, 2008.

/s/ Michael R. Murphy
Michael R. Murphy

STATE OF ILLINOIS)
) SS.
COUNTY OF COOK)

I, Kareema M. Cruz, a Notary Public in and for the County of Cook, State of Illinois, DO HEREBY CERTIFY that Michael R. Murphy, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed and delivered the said instrument as his own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 28th day of April, 2008.

/s/ Kareema M. Cruz
Notary Public