

AMAG PHARMACEUTICALS INC.
Form SC 13G
April 14, 2011

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

SCHEDULE 13G
Under the Securities Exchange Act of 1934

AMAG PHARMACEUTICALS, INC.
(Name of Issuer)

COMMON STOCK, PAR VALUE \$0.01 PER SHARE
(Title of Class of Securities)

00163U106
(CUSIP Number)

APRIL 5, 2011
(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 the disclosures provided in a prior cover page.

The information required in 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
NAMES OF REPORTING PERSONS

Integrated Core Strategies (US) LLC

2
CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

- (a)
- (b)

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

1,000,000

7
SOLE DISPOSITIVE POWER

-0-

8
SHARED DISPOSITIVE POWER

1,000,000

9
AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,000,000

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES

11
PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

4.7%

12TYPE OF REPORTING PERSON

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1 NAMES OF REPORTING PERSONS Millenco LLC	
2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (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 64,027	
7 SOLE DISPOSITIVE POWER -0-	
8 SHARED DISPOSITIVE POWER 64,027	
9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 64,027	
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="radio"/>	
11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.3%	

12TYPE OF REPORTING PERSON

OO, BD

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1 NAMES OF REPORTING PERSONS	
ICS Opportunities, Ltd.	
2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP	
(a) <input type="radio"/>	
(b) <input type="checkbox"/>	
3 SEC USE ONLY	
4 CITIZENSHIP OR PLACE OF ORGANIZATION	
Cayman Islands	
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH
5 SOLE VOTING POWER	
-0-	
6 SHARED VOTING POWER	
44,500	
7 SOLE DISPOSITIVE POWER	
-0-	
8 SHARED DISPOSITIVE POWER	
44,500	
9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
44,500	
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
<input type="radio"/>	
11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
0.2%	

12TYPE OF REPORTING PERSON

CO

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1 NAMES OF REPORTING PERSONS Cognizant Holdings, Ltd.	
2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (b) <input type="checkbox"/>	
3 SEC USE ONLY	
4 CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands	
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH
5 SOLE VOTING POWER -0-	
6 SHARED VOTING POWER 3,857	
7 SOLE DISPOSITIVE POWER -0-	
8 SHARED DISPOSITIVE POWER 3,857	
9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,857	
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="radio"/>	
11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.0%	

12TYPE OF REPORTING PERSON

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1 NAMES OF REPORTING PERSONS Millennium International Management LP	
2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (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 48,357	
7 SOLE DISPOSITIVE POWER -0-	
8 SHARED DISPOSITIVE POWER 48,357	
9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 48,357	
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.2%	

12TYPE OF REPORTING PERSON

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1 NAMES OF REPORTING PERSONS Millennium International Management GP LLC	
2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (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 48,357	
7 SOLE DISPOSITIVE POWER -0-	
8 SHARED DISPOSITIVE POWER 48,357	
9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 48,357	
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.2%	

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1 NAMES OF REPORTING PERSONS Millennium Management LLC	
2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (b) <input type="checkbox"/>	
3 SEC USE ONLY	
4 CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
5 SOLE VOTING POWER -0-	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH
6 SHARED VOTING POWER 1,112,384	
7 SOLE DISPOSITIVE POWER -0-	
8 SHARED DISPOSITIVE POWER 1,112,384	
9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,112,384	
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="radio"/>	
11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 5.3%	

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1 NAMES OF REPORTING PERSONS Israel A. Englander	
2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="radio"/> (b) <input type="checkbox"/>	
3 SEC USE ONLY	
4 CITIZENSHIP OR PLACE OF ORGANIZATION United States	
5 SOLE VOTING POWER -0-	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH
6 SHARED VOTING POWER 1,112,384	
7 SOLE DISPOSITIVE POWER -0-	
8 SHARED DISPOSITIVE POWER 1,112,384	
9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,112,384	
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="radio"/>	
11	

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

5.3%

12

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Item 1.

(a)Name of Issuer:

AMAG Pharmaceuticals, Inc., a Delaware corporation (the "Issuer").

(b)Address of Issuer's Principal Executive Offices:

100 Hayden Avenue
Lexington, Massachusetts 02421

Item 2.

(a)Name of Person Filing:

(b)Address of Principal Business Office:

(c)Citizenship:

Integrated Core Strategies (US) LLC
c/o Millennium Management LLC
666 Fifth Avenue
New York, New York 10103
Citizenship: Delaware

Millenco LLC
666 Fifth Avenue
New York, New York 10103
Citizenship: Delaware

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ICS Opportunities, Ltd.
c/o Millennium International Management LP
666 Fifth Avenue
New York, New York 10103
Citizenship: Cayman Islands

Cognizant Holdings, Ltd.
c/o Millennium International Management LP
666 Fifth Avenue
New York, New York 10103
Citizenship: Cayman Islands

Millennium International Management LP
c/o Millennium International Management GP LLC
666 Fifth Avenue
New York, New York 10103
Citizenship: Delaware

Millennium International Management GP LLC
666 Fifth Avenue
New York, New York 10103
Citizenship: Delaware

Millennium Management LLC
666 Fifth Avenue
New York, New York 10103
Citizenship: Delaware

Israel A. Englander
c/o Millennium Management LLC
666 Fifth Avenue
New York, New York 10103
Citizenship: United States

(d)Title of Class of Securities: common stock, par value \$0.01 per share ("Common Stock")

(e)CUSIP Number: 00163U106

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Item 3. If this statement is filed pursuant to Rule 13d-1(b), or 13d-2(b), 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);
-

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(h) o A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);

(g) o A parent holding company or control person in accordance with §240.13d-1(b)(1)(ii)(G);

(i) o 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) o Group, in accordance with §240.13d-1(b)(1)(ii)(J).

Item 4. Ownership

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

(a) Amount Beneficially Owned

As of the close of business on April 12, 2011:

i) Integrated Core Strategies (US) LLC, a Delaware limited liability company ("Integrated Core Strategies"), beneficially owned 1,000,000 shares of the Issuer's Common Stock;

ii) Millenco LLC, a Delaware limited liability company ("Millenco"), beneficially owned 64,027 shares of the Issuer's Common Stock;

iii) ICS Opportunities, Ltd., an exempted limited company organized under the laws of the Cayman Islands ("ICS Opportunities"), beneficially owned 44,500 shares of the Issuer's Common Stock; and

iv) Cognizant Holdings, Ltd., an exempted limited company organized under the laws of the Cayman Islands ("Cognizant Holdings"), beneficially owned 3,857 shares of the Issuer's Common Stock.

Millennium International Management LP, a Delaware limited partnership ("Millennium International Management"), is the investment manager to ICS Opportunities and Cognizant Holdings and may be deemed to have shared voting control and investment discretion over securities owned by ICS Opportunities and Cognizant Holdings.

Millennium International Management GP LLC, a Delaware limited liability company ("Millennium International Management GP"), is the general partner of Millennium International Management and may also be deemed to have shared voting control and investment discretion over securities owned by ICS Opportunities and Cognizant Holdings.

Millennium Management LLC, a Delaware limited liability company ("Millennium Management"), is the general partner of the managing member of Integrated Core Strategies and may be deemed to have shared voting control and investment discretion over securities owned by Integrated Core Strategies. Millennium Management is also the manager of Millenco and may be deemed to have shared voting control and investment discretion over securities owned by Millenco. Millennium Management is also the general partner of the 100% shareholder of ICS Opportunities and Cognizant Holdings and may be deemed to have shared voting control and investment discretion over securities owned by ICS Opportunities and Cognizant Holdings.

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Israel A. Englander, a United States citizen ("Mr. Englander"), is the managing member of Millennium Management and Millennium International Management GP. Consequently, Mr. Englander may also be deemed to have shared voting control and investment discretion over securities owned by Integrated Core Strategies, Millenco, ICS Opportunities and Cognizant Holdings.

The foregoing should not be construed in and of itself as an admission by Millennium International Management, Millennium International Management GP, Millennium Management or Mr. Englander as to beneficial ownership of the securities owned by Integrated Core Strategies, Millenco, ICS Opportunities or Cognizant Holdings, as the case may be.

(b) Percent of Class:

As of the close of business on April 12, 2011, Millennium Management and Mr. Englander may be deemed to have beneficially owned 1,112,384 shares of the Issuer's Common Stock or 5.3% (see Item 4(a) above), which percentage was calculated based on 21,137,428 shares of Common Stock outstanding as of February 16, 2011, as per the Issuer's Form 10-K dated February 25, 2011.

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

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

-0-

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

1,112,384 (See Item 4(b))

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

-0-

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

1,112,384 (See Item 4(b))

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

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following o .

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

See Exhibit I.

Item 9. Notice of Dissolution of Group

Not applicable.

Item 10. Certification

By signing below each of the undersigned certifies that, to the best of 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.

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Exhibits:

Exhibit I: Joint Filing Agreement, dated as of April 12, 2011, by and among Integrated Core Strategies (US) LLC, Millenco LLC, ICS Opportunities, Ltd., Cognizant Holdings, Ltd., Millennium International Management LP, Millennium International Management GP LLC, Millennium Management LLC and Israel A. Englander.

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SIGNATURE

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

Dated: April 12, 2011

INTEGRATED CORE STRATEGIES (US) LLC

By: Integrated Holding Group LP,
its Managing Member

By: Millennium Management LLC,
its General Partner

By: /s/ David Nolan
Name: David Nolan
Title: Co-President

MILLENCO LLC

By: /s/ Mark Meskin
Name: Mark Meskin
Title: Chief Executive Officer

ICS OPPORTUNITIES, LTD.

By: Millennium International Management LP,
its Investment Manager

By: /s/David Nolan
Name: David Nolan
Title: Co-President

COGNIZANT HOLDINGS, LTD.

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By: Millennium International Management LP,
its Investment Manager

By: /s/David Nolan
Name: David Nolan
Title: Co-President

MILLENNIUM INTERNATIONAL MANAGEMENT LP

By: /s/David Nolan
Name: David Nolan
Title: Co-President

MILLENNIUM INTERNATIONAL MANAGEMENT GP LLC

By: /s/David Nolan
Name: David Nolan
Title: Executive Vice President

MILLENNIUM MANAGEMENT LLC

By: /s/David Nolan
Name: David Nolan
Title: Co-President

/s/ Israel A. Englander by David Nolan
pursuant to Power of Attorney filed with
the SEC on June 6, 2005
Israel A. Englander

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EXHIBIT I JOINT FILING AGREEMENT

This will confirm the agreement by and among the undersigned that the Schedule 13G filed with the Securities and Exchange Commission on or about the date hereof with respect to the beneficial ownership by the undersigned of the Common Stock, par value \$0.01 per share, of AMAG Pharmaceuticals, Inc., a Delaware corporation, will be filed on behalf of each of the persons and entities named below in accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

Dated: April 12, 2011

INTEGRATED CORE STRATEGIES (US) LLC

By: Integrated Holding Group LP,
its Managing Member

By: Millennium Management LLC,
its General Partner

By: /s/ David Nolan
Name: David Nolan
Title: Co-President

MILLENCO LLC

By: /s/ Mark Meskin
Name: Mark Meskin
Title: Chief Executive Officer

ICS OPPORTUNITIES, LTD.

By: Millennium International Management LP,
its Investment Manager

By: /s/David Nolan
Name: David Nolan
Title: Co-President

COGNIZANT HOLDINGS, LTD.

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By: Millennium International Management LP,
its Investment Manager

By: /s/David Nolan
Name: David Nolan
Title: Co-President

MILLENNIUM INTERNATIONAL MANAGEMENT LP

By: /s/David Nolan
Name: David Nolan
Title: Co-President

MILLENNIUM INTERNATIONAL MANAGEMENT GP LLC

By: /s/David Nolan
Name: David Nolan
Title: Executive Vice President

MILLENNIUM MANAGEMENT LLC

By: /s/David Nolan
Name: David Nolan
Title: Co-President

/s/ Israel A. Englander by David Nolan
pursuant to Power of Attorney filed with
the SEC on June 6, 2005
Israel A. Englander