REGENERON PHARMACEUTICALS INC Form SC 13G/A February 08, 2013

SCHEDULE 13G

(Rule 13d-102)

Information to be Included in Statements Filed Pursuant to Rule 13d-1(b), (c) and (d) and Amendments Thereto Filed Pursuant to Rule 13d-2.

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

Under the Securities Exchange Act of 1934 (Amendment No. 1)*

Regeneron Pharmaceuticals, Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

75886F107

(CUSIP Number)

December 31, 2012

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- [X] 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).

Page 1 of 16

CUSIP No. 758	13G		
1 NAME OF RE	PORTING PERSON		
Artisan P	Partners Holdings LP		
2 CHECK THE (see Instr	APPROPRIATE BOX IF A MEMBER OF A GROUP ructions)	(a) (b)	[_]
Not Appli	cable		
3 SEC USE ON	ILY		
4 CITIZENSHI Delaware	P OR PLACE OF ORGANIZATION		
	5 SOLE VOTING POWER		
NUMBER OF SHARES	None		
BENEFICIALLY	6 SHARED VOTING POWER		
OWNED BY EACH	2,981,913		
REPORTING PERSON WITH	7 SOLE DISPOSITIVE POWER		
WIII	None		
	8 SHARED DISPOSITIVE POWER		
	3,119,564		
9 AGGREGATE 3,119,564	AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10 CHECK BOX (see Instr	IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ructions)		[_]
Not Appli	cable		
11 PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW (9)		
3.3%			
12 TYPE OF RE (see Instr	PORTING PERSON suctions)		
НС			

Page 2 of 16

1 NAME OF REP	PORTING PERSON	
Artisan In	nvestment Corporation	
2 CHECK THE A	·	(a) [_] (b) [_]
Not Applic	cable	
3 SEC USE ONL	Y	
	P OR PLACE OF ORGANIZATION	
Wisconsin		
	5 SOLE VOTING POWER	
NUMBER OF SHARES	None	
BENEFICIALLY	6 SHARED VOTING POWER	
OWNED BY EACH	2,981,913	
REPORTING PERSON WITH	7 SOLE DISPOSITIVE POWER	
WIII	None	
	8 SHARED DISPOSITIVE POWER	
	3,119,564	
9 AGGREGATE A	AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
3,119,564		
10 CHECK BOX II	F THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES actions)	[_]
Not Applic	cable	
11 PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW (9)	
3.3%		
12 TYPE OF REPORTED (See Instru-		
НС		
	D	
	Page 3 of 16	
CUSIP No. 7588	36F107 13G	
1 NAME OF REP	PORTING PERSON	

3

Artisan Pa	artners Limited Partnership	
2 CHECK THE A		a) [_]
Not Applic	cable	
3 SEC USE ONI	LY	
4 CITIZENSHIP	P OR PLACE OF ORGANIZATION	
Delaware		
	5 SOLE VOTING POWER	
NUMBER OF	None	
SHARES BENEFICIALLY	6 SHARED VOTING POWER	
OWNED BY EACH	2,981,913	
REPORTING PERSON	7 SOLE DISPOSITIVE POWER	
WITH	None	
	8 SHARED DISPOSITIVE POWER	
	3,119,564	
9 AGGREGATE A	AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
3,119,564		
10 CHECK BOX I (see Instru	F THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES actions)	[_]
Not Applic	cable	
11 PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW (9)	
3.3%		
12 TYPE OF REP (see Instru	PORTING PERSON actions)	
IA		
	Page 4 of 16	
CUSIP No. 7588	36F107 13G	
1 NAME OF REP	PORTING PERSON	

Artisan Investments GP LLC

2		PPROPRIATE BOX IF A MEMBER OF A GROUP	
	(see Instru	ctions)	[_]
	Not Applic	able	
3	SEC USE ONL	Ү	
4	CITIZENSHIP	OR PLACE OF ORGANIZATION	
	Delaware		
		5 SOLE VOTING POWER	
NU	JMBER OF	None	
		6 SHARED VOTING POWER	
	WNED BY EACH	2,981,913	
		7 SOLE DISPOSITIVE POWER	
	WITH	None	
		8 SHARED DISPOSITIVE POWER	
		3,119,564	
9	AGGREGATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	3,119,564		
10	CHECK BOX I (see Instru	F THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ctions)	 [_]
	Not Applic	able	
11	PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW (9)	
	3.3%		
12	TYPE OF REP	ORTING PERSON ctions)	
	НС		
		Page 5 of 16	
		rage 3 OI 10	
CUS	SIP No. 7588	6F107 13G	
1	NAME OF REP	ORTING PERSON	
	ZFIC, Inc.		
 2	CHECK THE A		

(see Instru	ctions)	(a) [_] (b) [_]
Not Applic	able	
3 SEC USE ONL	Y	
4 CITIZENSHIP	OR PLACE OF ORGANIZATION	
Wisconsin		
	5 SOLE VOTING POWER	
NUMBER OF	None	
	6 SHARED VOTING POWER	
OWNED BY EACH	2,981,913	
REPORTING PERSON	7 SOLE DISPOSITIVE POWER	
WITH	None	
	8 SHARED DISPOSITIVE POWER	
	3,119,564	
10 CHECK BOX II (see Instru		[_]
11 PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW (9)	
3.3%		
12 TYPE OF REPO	ORTING PERSON ctions)	
HC		
	Page 6 of 16	
CUSIP No. 7588	6F107 13G	
1 NAME OF REP		
Andrew A.	Ziegler 	
2 CHECK THE A	PPROPRIATE BOX IF A MEMBER OF A GROUP	(a) [_]

	Not Applica	able			
3	SEC USE ONL	Υ			
4	CITIZENSHIP U.S.A.	OR	PLACE OF ORGANIZATION		
		 5	SOLE VOTING POWER		
	MBER OF		None		
SHARES BENEFICIALLY OWNED BY	EFICIALLY	6	SHARED VOTING POWER		
RE:	EACH PORTING		2,981,913		
		7	SOLE DISPOSITIVE POWER		
			None		
		8	SHARED DISPOSITIVE POWER		
			3,119,564		
9	AGGREGATE AI	IUOM	NT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	3,119,564				
10	CHECK BOX II		HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		[_]
	Not Applica	able	9		
11	PERCENT OF	CLAS	SS REPRESENTED BY AMOUNT IN ROW (9)		
	3.3%				
12	TYPE OF REPO				
	IN				
			Page 7 of 16		
CUS	IP No. 7588	6F1(13G		
1	NAME OF REP	ORT:	ING PERSON		
	Carlene M.	Zie			
2	CHECK THE Al		OPRIATE BOX IF A MEMBER OF A GROUP	(a) (b)	[_] [_]
	Not Applica	able	9		

3	SEC USE ONL	 Y
4	CITIZENSHIP U.S.A.	OR PLACE OF ORGANIZATION
		5 SOLE VOTING POWER
	BER OF HARES	None
	FICIALLY NED BY	6 SHARED VOTING POWER
	EACH	2,981,913
	ORTING ERSON	7 SOLE DISPOSITIVE POWER
	WITH	None
		8 SHARED DISPOSITIVE POWER
		3,119,564
9	AGGREGATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
	3,119,564	
10	CHECK BOX I	F THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES ctions) [_]
	Not Applic	able
11	PERCENT OF	CLASS REPRESENTED BY AMOUNT IN ROW (9)
	3.3%	
12	TYPE OF REP	ORTING PERSON ctions)
	IN	
		Page 8 of 16
Item	1(a) Nam	e of Issuer:
	R	egeneron Pharmaceuticals, Inc.
Item	1(b) Add	ress of Issuer's Principal Executive Offices:
	7	77 Old Saw Mill River Road, Tarrytown, NY 10591
Item	2(a) Nam	e of Person Filing:
	А	rtisan Partners Holdings LP ("Artisan Holdings") rtisan Investment Corporation, the general partner of Artisan Holdings ("Artisan Corp.") rtisan Partners Limited Partnership ("Artisan Partners")

Artisan Investments GP LLC, the general partner of Artisan Partners ("Artisan Investments") ZFIC, Inc., the sole stockholder of Artisan Corp. ("ZFIC") Andrew A. Ziegler Carlene M. Ziegler

Item 2(b) Address of Principal Business Office:

Artisan Holdings, Artisan Corp., Artisan Partners, Artisan Investments, ZFIC,

Mr. Ziegler and Ms. Ziegler are all located at:

875 East Wisconsin Avenue, Suite 800 Milwaukee, WI 53202

Item 2(c) Citizenship:

Artisan Holdings is a Delaware limited partnership Artisan Corp. is a Wisconsin corporation Artisan Partners is a Delaware limited partnership Artisan Investments is a Delaware limited liability company ZFIC is a Wisconsin corporation Mr. Ziegler and Ms. Ziegler are U.S. citizens

Item 2(d) Title of Class of Securities:

Common Stock

Item 2(e) CUSIP Number:

75886F107

(e) Artisan Partners is an investment adviser registered under section 203 of the Investment Advisers Act of 1940; Artisan Holdings is the sole limited partner of Artisan Partners; Artisan Investments is the general partner of Artisan Partners; Artisan Corp is the general partner of Artisan Holdings; ZFIC is the sole stockholder of Artisan Corp.; Mr. Ziegler and Ms. Ziegler are the principal stockholders of ZFIC.

Page 9 of 16

Item 4 Ownership (at December 31, 2012):

(a) Amount owned "beneficially" within the meaning of rule 13d-3:

3,119,564

(b) Percent of class:

3.3% (based on 94,470,885 shares outstanding as of October $12,\ 2012$)

- (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote:

None

(ii) shared power to vote or to direct the vote:

2,981,913

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

None

(iv) shared power to dispose or to direct the disposition of:

3,119,564

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 [X].

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

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Item 10 Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and 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.

Page 10 of 16

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.

Date: February 8, 2013

ARTISAN INVESTMENT CORPORATION,

for itself and as the general partner of ARTISAN PARTNERS HOLDINGS $\ensuremath{\mathsf{LP}}$

By: Gregory K. Ramirez*

ARTISAN INVESTMENTS GP LLC, for itself and as the general partner of ARTISAN PARTNERS LIMITED PARTNERSHIP

By: Gregory K. Ramirez*

ZFIC, INC.

By: Gregory K. Ramirez*

ANDREW A. ZIEGLER

Andrew A. Ziegler*

CARLENE M. ZIEGLER

Carlene M. Ziegler*

*By: /s/ Gregory K. Ramirez

Gregory K. Ramirez
Senior Vice President - Chief
Accounting Officer & Assistant
Treasurer of Artisan Investment
Corporation
Vice President of Artisan
Investments GP LLC

Attorney-in-Fact for ZFIC, Inc. Attorney-in-Fact for Andrew A. Ziegler

Attorney-in-Fact for Carlene M. Ziegler

Page 11 of 16

Exhibit Index

- Exhibit 1 Joint Filing Agreement dated February 8, 2013 by and among
 Artisan Partners Holdings LP, Artisan Investment Corporation,
 Artisan Partners Limited Partnership, Artisan Investments GP LLC,
 ZFIC, Inc., Andrew A. Ziegler and Carlene M. Ziegler
- Exhibit 2 Power of Attorney of ZFIC, Inc., dated August 31, 2012
- Exhibit 3 Power of Attorney of Andrew A. Ziegler dated August 31, 2012
- Exhibit 4 Power of Attorney of Carlene M. Ziegler dated August 31, 2012

Page 12 of 16

EXHIBIT 1

JOINT FILING AGREEMENT

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

Dated: February 8, 2013

ARTISAN INVESTMENT CORPORATION, for itself and as the general partner of ARTISAN PARTNERS HOLDINGS LP

By: Gregory K. Ramirez*

ARTISAN INVESTMENTS GP LLC, for itself and as the general partner of ARTISAN PARTNERS LIMITED PARTNERSHIP

By: Gregory K. Ramirez*

ZFIC, INC.

By: Gregory K. Ramirez*

ANDREW A. ZIEGLER

Andrew A. Ziegler*

CARLENE M. ZIEGLER

Carlene M. Ziegler*

*By: /s/ Gregory K. Ramirez

Gregory K. Ramirez

Senior Vice President - Chief Accounting Officer & Assistant Treasurer of Artisan Investment Corporation

Vice President of Artisan Investments GP LLC

Attorney-in-Fact for ZFIC, Inc.

Attorney-in-Fact for Andrew A. Ziegler

Attorney-in-Fact for Carlene M. Ziegler

Page 13 of 16

EXHIBIT 2

POWER OF ATTORNEY

The undersigned, ZFIC, Inc., hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, its 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 its 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, including but not limited to reports 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 attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 31st day of August, 2012.

ZFIC, INC.

STATE OF WISCONSIN)
) SS.
COUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Andrew A. Ziegler, 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 31st day of August, 2012.

/s/ Lisa Moran
-----Notary Public

Page 14 of 16

EXHIBIT 3

POWER OF ATTORNEY

The undersigned, Andrew A. Ziegler, hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, 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, including but

not limited to reports 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 attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 31st day of August, 2012.

STATE OF WISCONSIN)

ON SS.

COUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Andrew A. Ziegler, 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 31st day of August, 2012.

/s/ Lisa Moran
----Notary Public

Page 15 of 16

EXHIBIT 4

POWER OF ATTORNEY

The undersigned, Carlene M. Ziegler, hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, her 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 her 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, including but not limited to reports 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 attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 31st day of August, 2012.

/s/ Carlene M. Ziegler
------Carlene M. Ziegler

STATE OF WISCONSIN)
) SS.
COUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Carlene M. Ziegler, 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 she signed and delivered the said instrument as her own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 31st day of August, 2012.

/s/ Lisa Moran
----Notary Public

Page 16 of 16