FORM 4

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

| <b>STATEMENT</b> | OF CHANGES IN | N BENEFICIAL | <b>OWNERSHIP</b> |
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**OMB APPROVAL** OMB Number: Estimated average burden hours per response: 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| 1. Name and Address of Reporting Person*  RYAN ARTHUR F  (Last) (First) (Middle)                                                             |                                                                                                        |            |                                  | <u>R</u><br><u>IN</u>             | Susuer Name and Ticker or Trading Symbol REGENERON PHARMACEUTICALS  INC [ REGN ]      Date of Earliest Transaction (Month/Day/Year) |                  |                                                                |                                                        |                                                                                               | (Ch                                          | Relationship of Reporting<br>Check all applicable)  X Director  Officer (give title<br>below)                                              |                                                                                                                  |                                     | g Person(s) to Issuer<br>10% Owner<br>Other (spec<br>below)              |                                           |  |
|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------|----------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------------|-------------------------------------------|--|
| (Street)                                                                                                                                     | TOWN N                                                                                                 |            | 10591                            | Ľ                                 | 01/03/2005  4. If Amendment, Date of Original Filed (Month/Day/Year)                                                                |                  |                                                                |                                                        |                                                                                               | Line                                         | Individual or Joint/Group Filing (Check Applicable ine)  X Form filed by One Reporting Person Form filed by More than One Reporting Person |                                                                                                                  |                                     |                                                                          |                                           |  |
| (City)                                                                                                                                       | (City) (State) (Zip)  Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned |            |                                  |                                   |                                                                                                                                     |                  |                                                                |                                                        |                                                                                               |                                              |                                                                                                                                            |                                                                                                                  |                                     |                                                                          |                                           |  |
| 1. Title of Security (Instr. 3)  2. Transac Date (Month/Date)                                                                                |                                                                                                        |            | ansaction                        | action 2A. Deemed Execution Date, |                                                                                                                                     | 3.<br>Transactio | 4. Securi                                                      | curities Acquired (A) or<br>sed Of (D) (Instr. 3, 4 an |                                                                                               | 5. Amount of Securities For Beneficially (D) |                                                                                                                                            | Form:                                                                                                            | Direct of Indirect str. 4)          | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>Instr. 4)         |                                           |  |
| Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) |                                                                                                        |            |                                  |                                   |                                                                                                                                     |                  |                                                                |                                                        |                                                                                               |                                              |                                                                                                                                            |                                                                                                                  |                                     |                                                                          |                                           |  |
| 1. Title of Derivative Security (Instr. 3)  2. Conversion or Exercise Price of Derivative Security  3. Transaction Date (Month/Day/Yea       |                                                                                                        |            | 3A. Deemed 4. Execution Date, To |                                   | 1. 5. Number of Orde (Instr. Derivative                                                                                             |                  | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) |                                                        | 7. Title and Amount<br>of Securities<br>Underlying<br>Derivative Security<br>(Instr. 3 and 4) |                                              | 8. Price of<br>Derivative<br>Security<br>(Instr. 5)                                                                                        | 9. Numbe<br>derivative<br>Securities<br>Beneficial<br>Owned<br>Following<br>Reported<br>Transactic<br>(Instr. 4) | Owner Form: Direct or Indi (I) (Ins | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | Beneficial<br>Ownership<br>ect (Instr. 4) |  |
|                                                                                                                                              |                                                                                                        |            |                                  | Code                              | v                                                                                                                                   | (A)              | (D)                                                            | Date<br>Exercisable                                    | Expiration<br>Date                                                                            | Title                                        | Amount<br>or<br>Number<br>of<br>Shares                                                                                                     |                                                                                                                  |                                     |                                                                          |                                           |  |
| Non-<br>Qualified<br>Stock<br>Option<br>(right to<br>buy)                                                                                    | \$9.17                                                                                                 | 01/03/2005 |                                  | A                                 |                                                                                                                                     | 15,000           |                                                                | (1)                                                    | 01/03/2015                                                                                    | Common<br>Stock                              | 15,000                                                                                                                                     | \$0                                                                                                              | 15,000                              | 0                                                                        | D                                         |  |

## **Explanation of Responses:**

1. The stock option becomes exercisable in three equal annual installments, commencing one year after the date of grant

/s/\*\*Arthur F. Ryan

01/04/2005

\*\* Signature of Reporting Person Date

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

- $^{\star}$  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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.