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

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities and Exchange Act of 1934

Date of Report (Date of earliest event reported): June 8, 2007

REGENERON PHARMACEUTICALS, INC.

(Exact name of registrant as specified in its charter)

New York

(State or other jurisdiction of
incorporation)

000-19034

(Commission File Number)

133444607

(I.R.S. Employer
Identification Number)

777 Old Saw Mill River Road, Tarrytown, New York

(Address of principal executive offices)

10591-6707

(Zip Code)

(914) 347-7000

(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 8.01 Other Events

On June 8, 2007, Regeneron's President and Chief Executive Officer, Dr. Leonard Schleifer, is scheduled to present a brief report on Regeneron's business at the company's Annual Meeting of Shareholders to be held at the Westchester Marriott Hotel, 670 White Plains Road, Tarrytown, New York. The overheads for this presentation are furnished as Exhibit 99(a) to this Form 8-K.

Item 9.01 Financial Statements and Exhibits

(c) Exhibits

99(a) Overheads for presentation at Regeneron's Annual Meeting of Shareholders to be held on June 8, 2007.

Pursuant to the requirements of the Securities and Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

REGENERON PHARMACEUTICALS, INC.

Dated: June 8, 2007

By: /s/ Stuart Kolinski
Stuart Kolinski
Vice President and General Counsel

Exhibit Index

<u>Number</u>	<u>Description</u>
99(a)	Overheads for presentation at Regeneron's Annual Meeting of Shareholders to be held on June 8, 2007.

The background of the slide is a dark blue gradient with a subtle wave pattern at the top. A thin orange horizontal line is positioned below the company name.

REGENERON

Annual Meeting of Shareholders
June 8, 2007

Safe Harbor Statement

Except for historical information, the matters contained in this presentation may constitute forward-looking statements that involve risks and uncertainties, including uncertainties related to product development and clinical trials, unforeseen safety issues resulting from the administration of products in patients, uncertainties related to the need for regulatory and other government approvals, patents and proprietary technology, the need for additional capital, uncertainty of market acceptance of Regeneron's product candidates, the receipt of future payments, the continuation of business partnerships, and additional risks detailed from time to time in Regeneron's filings with the Securities and Exchange Commission (SEC). Please refer to Regeneron's recent Forms 10-K, 10-Q, and 8-K for additional information on the uncertainties and risk factors related to our business.

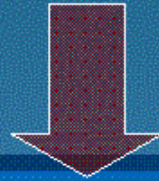
Because forward-looking statements involve risks and uncertainties, actual results may differ materially from current results expected by Regeneron. Regeneron is providing this information as of the original date of this presentation and expressly disclaims any duty to update any information contained in these materials.

REGENERON

Corporate Mission: Bring Important Medicines to Patients



Commercialize innovative
new therapeutics



Top Priorities

Rapid expansion of clinical development program
built around IL-1 Trap, VEGF Trap, VEGF Trap-Eye, and *VelocImmune*[®]

REGENERON

Business Strategy

- **Develop fully integrated business capabilities**
 - Discovery, preclinical and clinical development, regulatory, manufacturing, marketing
- **Collaborate with firms that expand development and commercial possibilities of product candidates**
- **Retain substantial economic interest in product candidates**
- **Expand clinical development pipeline through innovative antibody platform**
- **Revenue generation through *VelocImmune*[®] licensing**

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Regeneron Overview

Product Driven, Research Based Biotechnology

- **3 product candidates moving through clinical trials**
 - All product candidates originated from internal discovery efforts
- **VelocImmune® platform for discovering human monoclonal antibodies**
 - Best in class for in vivo based discovery of fully human monoclonal antibodies
 - Already has resulted in hundreds of antibodies to more than 10 distinct targets
- **Target discovery and validation based on internal research efforts**
 - Expertise in knockouts, transgenics, gene profiling, in vitro and in vivo disease modeling
 - Rapid selection and validation of novel targets; e.g., Dll4
 - Improved antibodies to proven targets
- **Process development and manufacturing all done internally**
 - Proprietary technology for rapid selection of high-secreting cell lines
 - Manufacture at up to 10,000 liter scale
- **Strong and expanding internal clinical and regulatory capabilities**

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Regeneron Overview

Product Driven, Research Based Biotechnology

➤ **Inflammatory Diseases Program**

- IL-1 Trap BLA submission completed
- Positive data reported from two Phase 3 efficacy studies
- Gout, anemia and other diseases provide potential for additional indications
- Important validation of proprietary "Trap Technology"

➤ **Oncology Program**

- VEGF Trap partnered with sanofi-aventis
- Multiple single agent and combination studies underway
- Large Phase 3 program to be initiated in 3Q 2007

➤ **Eye Diseases Program**

- Collaboration with Bayer HealthCare announced 4Q 2006
- Phase 2 study in wet AMD: positive interim data reported in 1Q 2007
 - Statistically significant reduction in retinal thickness and improvement in visual acuity
 - VEGF Trap-Eye generally well tolerated at all dose levels
 - Potential for improving vision with dosing less frequent than every four weeks
- Phase 3 vs. ranibizumab (Lucentis®) planned for initiation 3Q 2007

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Regeneron Overview

Product Driven, Research Based Biotechnology

➤ **VelocImmune®: Next generation platform for fully human monoclonal antibodies**

- Phase 1 trial for first antibody product candidate planned for 2H 2007
- From 2008, two new antibodies per year planned to enter clinical trials
- Licensing deals announced with AstraZeneca and Astellas
- Each agreement provides \$20 MM per year for several years

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IL-1 Trap (rilonacept) Development Program

- **BLA submitted to FDA**
- **Priority review requested for BLA**
- **Orphan Drug and Fast Track designations for CAPS**
- **Evaluating IL-1 Trap in other indications where IL-1 is believed to play a role**
 - **Small 10-patient pilot study in gout underway**
 - **Larger Phase 2 placebo-controlled gout study planned to begin 2H 2007**
 - **Multiple additional indications including anemia and other inflammatory diseases to be evaluated as part of label expansion strategy over next several years**

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Diseases of the “Inflammasome”

- **Inflammasome**
 - Multi-protein intracellular system including cryopyrin (“*CIAS1*” gene product or Nalp3)
 - Activated by “danger signals”
 - Leads to processing and release of Interleukin-1
- **Mutations in *CIAS1* lead to auto-inflammatory syndromes**
- **Inflammatory response to uric acid crystals (gout) mediated by inflammasome**
 - Interleukin-1 key mediator of gout inflammation
- **Excessive activation of inflammasome may be key part of many inflammatory diseases**

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CAPS: High Unmet Need

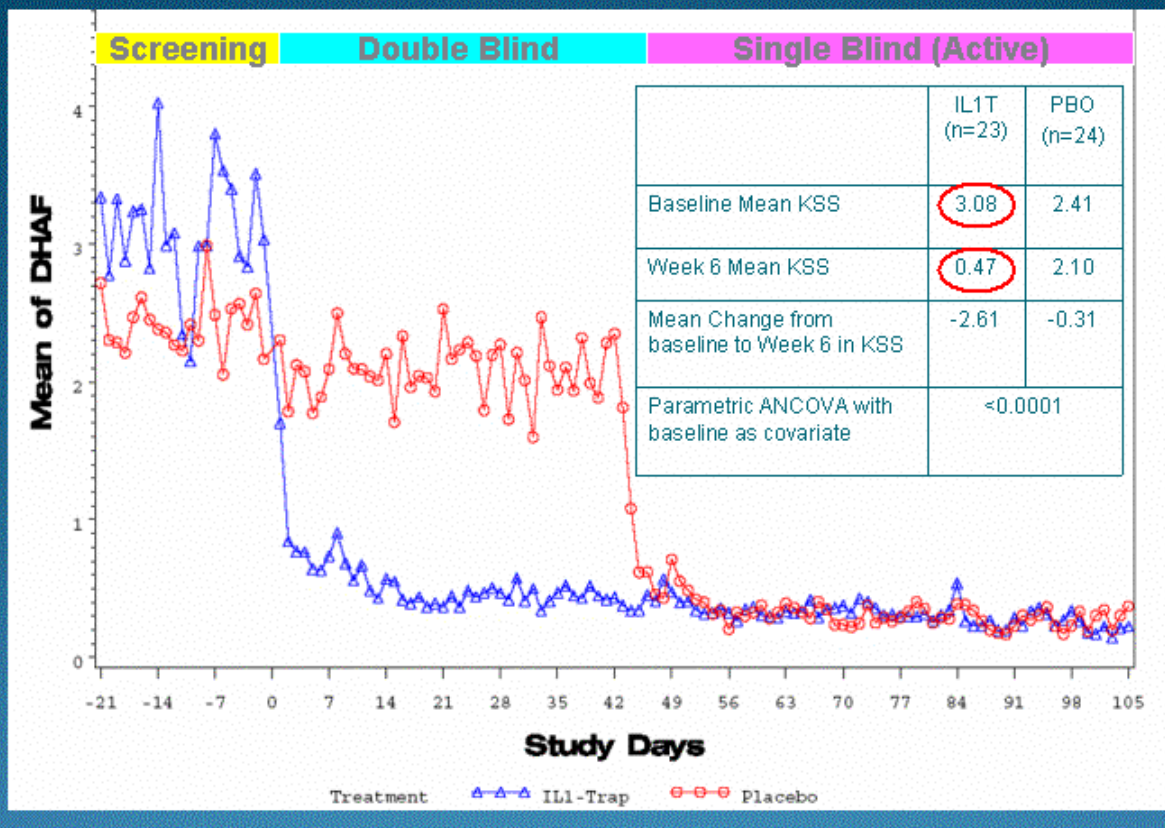
- Spectrum of rare chronic inflammatory diseases
- Caused by mutation in *CIAS1* gene
- Spontaneous activation of inflammasome leads to release of Interleukin-1
- Inflammatory symptoms include rash, fever, headache, fatigue, joint aches, red eyes

No currently approved therapies

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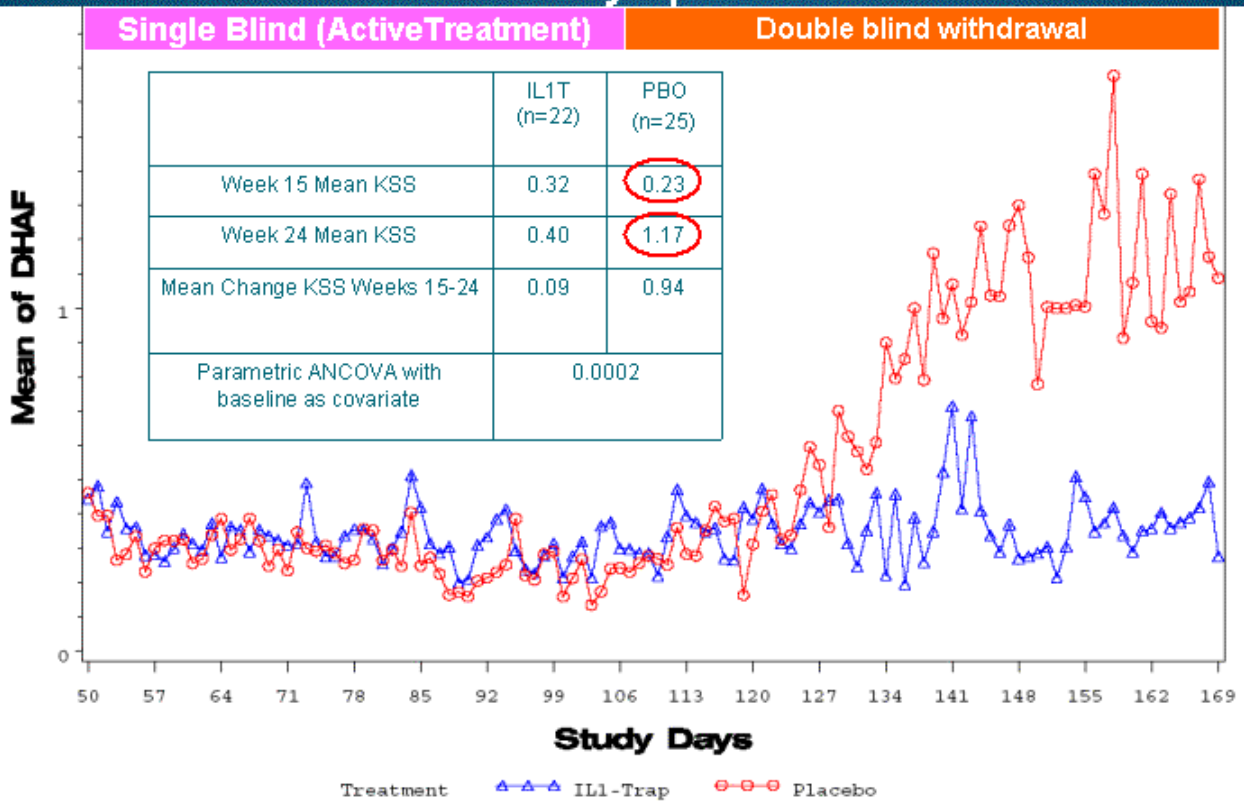
CAPS Phase 3 Pivotal Trial – Part A

IL-1 Trap provides rapid control of signs and symptoms



CAPS Phase 3 Pivotal Trial – Part B

Randomized withdrawal confirms continued reduction of CAPS symptoms



Gout: A large unmet medical need

- **One of the most painful rheumatic diseases**
- **Nearly 1% of population suffers from gout**
- **Multiple forms of gout**
 - Acute
 - Drug-induced, including allopurinol
 - Interval
 - Chronic tophaceous
- **Recent evidence is that gout is a disease caused by uric acid induced release of Interleukin-1**

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VEGF Trap (aflibercept) Oncology Program

Evaluating in single agent and combination studies

- **On-going Phase 2 single agent studies**
 - Advanced ovarian cancer
 - Non-small cell lung adenocarcinoma
 - Symptomatic malignant ascites in ovarian cancer patients
- **Phase 3 program in combination with chemotherapy in solid tumors starts in 2007**
 - 1st line metastatic hormone resistant prostate cancer (+ Taxotere®)
 - 1st line metastatic pancreas cancer (+ gemcitabine-based regimen)
 - 1st line gastric cancer (+ Taxotere®)
 - 2nd line non-small cell lung cancer (+ Taxotere®)
 - 2nd line metastatic colorectal cancer (+ FOLFIRI)
- **More than 10 NCI sponsored studies currently underway or about to begin**
- **First submission may be as early as 2008**

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Phase 2 Trial – Advanced Ovarian Cancer

➤ Study design

- Randomized, double-blind, dose comparison study
- Enrolling 200 patients, randomized into 2 treatment groups
- Interim analysis after 162 patients completed at least 1 course of treatment

➤ Primary endpoint

- Objective response rate

➤ Secondary endpoints

- Duration of response
- Tumor marker response rates
- Time to tumor progression
- Progression-free survival
- Overall survival
- Safety

➤ Dose levels and intervals

- Two cohorts at 2 mg/kg and 4 mg/kg dose treated every other week

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Phase 2 Trial - Advanced Ovarian Cancer Interim Results

Blinded Pooled Summary (N=162)

	N	Percent (%)
Radiological Partial Response (PR)	13	8% (6 responders were platinum-resistant)
50% Decline in CA-125	21	13% (9 patients had radiographic PR)
Stable Disease + PR (total):		
at 4 weeks	138	85%
at 14 weeks	67	41% (28 of 67 pts still on study)
at 22 weeks	25	15% (18 of 25 pts still on study)
at 30 weeks	7	4% (All 7 pts still on study)

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Phase 2 Trial - Advanced Ovarian Cancer Interim Results

	N	Percent (%)
Investigator assessment of Ascites response		
23 patients with evaluable baseline ascites		
Complete disappearance of ascites	7	29%
No increase in ascites	13	54%
Increase in ascites	3	13%

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VEGF Trap-Eye: The Opportunity

- **Blocking VEGF well validated pathway for improving vision in patients with neovascular form of age-related macular degeneration (wet AMD)**
- **Ranibizumab (Lucentis®) is current standard of care in wet AMD**
 - Limited by need for monthly injections to improve vision - “PIER” study included in label: Patients lose vision when on quarterly regimen of Lucentis®
 - No evidence that maximal efficacy achieved since dose response observed but dose escalation was limited by inflammation
- **No approved anti-VEGF therapy for diabetic eye disease**

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VEGF Trap-Eye Phase 2 Trial

➤ Study design

- Randomized, double-blind, dose and interval comparison study
- Enrolling 150 patients, randomized into 5 treatment groups
- Preliminary interim analysis after 75 patients completed 12 weeks

➤ Primary endpoint

- Reduction in excess retinal thickness as measured by OCT scan

➤ Secondary endpoint

- Increase in visual acuity as measured by Best Corrected Visual Acuity (BCVA)

➤ Dose levels and intervals

- Two cohorts at low and mid dose treated monthly
 - Evaluated at 12 weeks
- Three cohorts at low, mid, and high dose treated with single injection
 - Evaluated at 12 weeks

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VEGF Trap-Eye Phase 2 Trial Interim Results

➤ **Primary endpoint**

- Immediate and substantial reduction in excess retinal thickness
- Decrease of 135 microns ($p < 0.0001$) for all groups combined at 12 weeks

➤ **Secondary endpoint**

- Increase in visual acuity of 5.9 letters ($p < 0.0001$) at 12 weeks

➤ **Safety**

- No drug related adverse events
- VEGF Trap-Eye generally well-tolerated

➤ **Additional Phase 2 data**

- Monthly and quarterly dosing did not result in substantially different results at 8 weeks
- Quarterly dosing, on average, demonstrated:
 - An increase in visual acuity at 8 weeks and at 12 weeks
 - A decrease in excess retinal thickness at 8 weeks and 12 weeks

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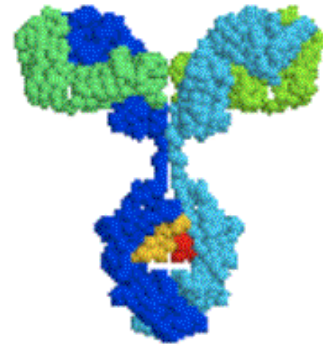
VEGF Trap-Eye

- **Commercial opportunity**
 - Possible better efficacy
 - Possible less frequent dosing while still improving vision
- **Longer interval opportunity for VEGF Trap**
 - Higher affinity
 - Higher dosing without inflammation
 - Potentially longer intravitreal half-life
- **Phase 3 program**
 - Will compare directly to Lucentis®
 - Initiation planned 3Q 2007

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Future Pipeline: Human Monoclonal Antibodies

VelocImmune[®]



Regeneron's proprietary and breakthrough approach to discovering fully human monoclonal antibodies

- Produces wide variety of high affinity antibodies against target
- Overcomes problem in antibody development that human MAb mice have compromised immune functions
- Synergizes with Regeneron's proprietary approach to cell line development and large-scale manufacturing capacity (10,000 liter GMP facility)
- Applicable to both validated and novel targets

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VelociSuite of Technologies

VelociGene > VelociMouse > VelociImmune > VelociMab

- Focused on the development of fully-human therapeutic antibodies for the treatment of human diseases
- Proprietary, unencumbered, rapid and efficient
- First antibody candidate expected in clinical trials late 2007
- Going forward, plan to move two antibodies into clinical trials each year

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Strong Financial Position

- **\$515 MM in cash and securities at March 2007**
- **Oncology Collaboration**
 - Sanofi-aventis funds 100% of development program
 - More than \$400 MM budgeted for development over next several years
 - Regeneron eligible for \$400 MM in commercial approval milestone payments
- **Eye Diseases Collaboration**
 - Bayer HealthCare funds 50% of development program
 - \$250 MM global development program over next several years
 - Regeneron eligible for \$245 MM in milestone payments
- **VelocImmune® Opportunity**
 - AstraZeneca and Astellas 1Q 2007 agreements each provide \$20 MM per year for several years
 - Opportunity for further deals in future

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Annual Meeting of Shareholders
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