UNITED STATES

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549

FORM 8-K

CURRENT REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

Date of report (Date of earliest event reported): March 15, 2005

GENTA INCORPORATED

(Exact Name of Registrant as Specified in Its Charter)

Delaware

(State or Other Jurisdiction of Incorporation)

0-19635 (Commission File Number)

33-0326866

(IRS Employer Identification No.)

Two Connell Drive Berkeley Heights, NJ (Address of Principal Executive Offices)

07922

(Zip Code)

(908) 286-9800

(Registrant s Telephone Number, Including Area Code)

(Former Name or Former Address, if Changed Since Last Report)

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

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

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Item 8.01 Other Events.

On March 15, 2005 Genta Incorporated (Genta) issued a press release announcing that LR3001, an antisense compound directed against a gene known as c-myb, has received Orphan Drug designation from the U.S. Food and Drug Administration (FDA) for the treatment of chronic myelocytic leukemia (CML). The press release is attached hereto as Exhibit 99.1 and incorporated herein by reference.

Exhibit Number	Description
99.1	Press Release dated March 15, 2005

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SIGNATURES

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

GENTA INCORPORATED

Date: March 15, 2005 By: /s/ William P. Keane

Name: William P. Keane

Title: Vice President, Chief Financial

Officer and Corporate Secretary

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EXHIBIT INDEX

Exhibit Number	Description	Sequentially Numbered Page	
99.1	Press Release dated March 15, 2005		