

GENTA INC DE/  
Form 8-K  
April 20, 2010

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

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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): April 20, 2010

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.)

200 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:

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- 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 April 20, 2010, Genta Incorporated, (the Company), announced the presentation of initial results from the first human use of a gallium-containing compound to treat serious infection. In a patient with cystic fibrosis and a highly resistant lung infection, who has been treated over a 2-year period, high concentrations of gallium were achieved in sputum. Moreover, sputum concentrations were higher than simultaneous concentrations in blood and continued to rise even after treatment had been stopped. Measured concentrations in sputum equaled or exceeded concentrations that have been reported lethal to bacteria in laboratory tests. The data were presented at the annual meeting of the American Association of Cancer Research in Washington, D.C.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

| Exhibit<br>Number | Description                                       |
|-------------------|---|
| 99.1              | Press Release of the Company dated April 20, 2010 |

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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: April 20, 2010

By: /s/ GARY SIEGEL  
Name: Gary Siegel  
Title: Vice President, Finance