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**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 Exchange Act of 1934**

**May 27, 2008**  
Date of Report (Date of earliest event reported)

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**INTELGENX TECHNOLOGIES CORP.**

(Exact Name of Registrant as Specified in Charter)

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**Delaware**  
(State or other jurisdiction  
of incorporation)

**000-31187**  
(Commission File No.)

**87-0638336**  
(IRS Employer ID)

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**6425 Abrams, Ville Saint Laurent, Quebec, H4S 1X9 Canada**  
(Address of principal executive offices and Zip Code)

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**(514) 331-7440**  
(Registrant's telephone number, including area code)

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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 ( *see* General Instruction A.2. below):

- £ 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))
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**Item 5.02 Departure of Director; Election of Director**

**Departure of Director**

On May 21, 2008, Reiza Rayman resigned from the Board of Directors of IntelGenx Technologies Corp. ("IntelGenx" or the "Company") for personal reasons. Mr. Rayman has been a Director of IntelGenx since June 2006. There were no disagreements or misunderstandings between Mr. Rayman and the Company regarding any matter relating to the Company's operations, policies or practices. The position vacated by Mr. Rayman will be filled within a few days.

**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.

**INTELGENX TECHNOLOGIES CORP.**

By: /s/ Horst Zerbe  
Horst Zerbe  
President and Chief  
Executive Officer

Date: May 27, 2008

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