

**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): **June 1, 2007**

**Xenomics, Inc.**

(Exact name of registrant as specified in its charter)

**Florida**

(State or other jurisdiction  
of incorporation or organization)

**04-3721895**

IRS Employer  
Identification No.)

**420 Lexington Avenue, Suite 1701**

**New York, New York 10170**

(Address of principal executive offices)

Registrant's telephone number, including area code: **(212) 297-0808**

(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:

- Written communication 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 5.02 Departure of Directors or Principal Officers; Election of Directors; Appointment of Principal Officers; Compensatory Arrangements of Certain Officers.**

On June 1, 2007, Frederick Larcombe voluntarily resigned as Chief Financial Officer of Xenomics, Inc., effective July 31, 2007.

**SIGNATURE**

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.

Dated: June 4, 2007

XENOMICS, INC.

By: /s/ Gianluigi Longinotti-Buitoni  
Gianluigi Longinotti-Buitoni  
Executive Chairman