

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549  
SCHEDULE 13G  
(Rule 13d-102)

Under the Securities Exchange Act of 1934  
(Amendment No. )

NEUROMETRIX, INC.

-----  
(Name of Issuer)

COMMON STOCK

-----  
(Title of Class of Securities)

0001289850

-----  
(CUSIP Number)

December 31, 2004

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(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which  
this Schedule is filed:

[ ] Rule 13d-1(b)

[ ] Rule 13d-1(c)

[ X ] Rule 13d-1(d)

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CUSIP NO. - 0001289850  
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(1) Name of reporting person.....Harris & Harris Group, Inc.  
S.S. or I.R.S. No. of above person.....13-3119827

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(2) Check the appropriate box if a member of a group.....(a)

.....(b)  
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(3) SEC use only.....  
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(4) Citizenship or place of organization.....New York  
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Number of shares beneficially owned  
by each reporting person with:

(5) Sole voting power.....1,137,570

(6) Shared voting power.....0  
(7) Sole dispositive power.....1,137,570  
(8) Shared dispositive power.....0

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(9) Aggregate amount beneficially  
owned by each reporting person.....1,137,570

(10) Check if the aggregate amount in  
Row (9) excludes certain shares.....

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(11) Percent of class represented  
by amount in Row (9).....9.5%\*

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(12) Type of reporting person.....IV, CO  
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\*Based upon 12,025,119 shares outstanding, as disclosed by  
NeuroMetrix, Inc. in its Form 10-Q filed November 15, 2004.

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Item 1. (a) Name of Issuer:

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NeuroMetrix, Inc.

(b) Address of Issuer's Principal Executive Offices:

62 Fourth Avenue, Waltham, MA 02451.

Item 2. (a) Name of Person Filing:

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Harris & Harris Group, Inc. ("Harris & Harris")

(b) Address of Principal Business Office or, in None  
Residence:

111 West 57th Street  
Suite 1100  
New York, New York 10019

(c) Citizenship:

Harris & Harris, incorporated in the state of New  
York, is a venture capital investment company, operating  
as a business development company under the Investment  
Company Act of 1940.

(d) Title of Class of Securities: Common Stock

(e) Cusip Number: 0001289850

Item 3. Not applicable.  
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Item 4. Ownership.  
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(a) Amount beneficially owned: 1,137,570

(b) Percent of class: 9.5%\*

(c) Number of shares as to which such person has:

(i) Sole power to vote or to direct the vote 1,137,570

(ii) Shared power to vote or to direct the vote 0

(iii) Sole power to dispose or to direct the disposition of 1,137,570

(iv) Shared power to dispose or to direct the disposition of 0

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\*Based upon 12,025,119 shares outstanding, as disclosed by NeuroMetrix, Inc. in its Form 10-Q filed November 15, 2004.

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Item 5. Ownership of Five Percent or Less of a Class.  
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If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities check the following [ ].

Item 6. Ownership of More Than Five Percent on Behalf of Another Person.  
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Not applicable.

Item 7. Identification and Classification of the Subsidiary Which  
----- Acquired the Security Being Reported on by the Parent Holding Company.  
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Not applicable.

Item 8. Identification and Classification of Members of the Group.  
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Not applicable.

Item 9. Notice of Dissolution of Group.  
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Not applicable.

Item 10. Certification.  
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Not applicable.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 3, 2005 Harris & Harris Group, Inc.

/s/ Helene B. Shavin  
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Helene B. Shavin  
Vice-President and Controller