MILLER LLOYD I III Form SC 13G December 29, 2005

> SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

> > -----

SCHEDULE 13G (Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1(b) (c) AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13d-2(b) (Amendment No. __)*

Axonyx Inc.

(Name of Issuer)

Common Stock, par value \$.001

(Title of Class of Securities)

05461R101

(CUSIP Number)

December 21, 2005

(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) |X| Rule 13d-1(c)

|_| Rule 13d-1(d)

Page 1 of 5

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

Edgar Filing: MILLER LLOYD I III - Form SC 13G

CUSIP	No. 05461R101			Page	2 of 5 H	 Pages	
1	NAME OF REPORTING PERSON S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON						
	Lloyd I. Miller, I	II	279-42-7925				
2	CHECK THE APPROPRI	ATE BOX IF A MEMBE	CR OF A GROUP*		(a)	 _	
				(b)	_		
3	SEC USE ONLY						
4	CITIZENSHIP OR PLACE OF ORGANIZATION						
	United States						
		5 SOLE VOTIN	IG POWER				
	NUMBER OF	2,140,057					
B	SHARES ENEFICIALLY	6 SHARED VOI	ING POWER				
	OWNED BY EACH REPORTING PERSON WITH	995 , 000					
		7 SOLE DISPO	SITIVE POWER				
		2,140,057					
		8 SHARED DIS	POSITIVE POWER				
		995,000					
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON						
	3,135,057						
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*						
	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)						
	5.8%						
	TYPE OF REPORTING PERSON						
	IN-IA-00**						
		TRUCTIONS BEFORE F					
** Se	e Item 4.						
					Page 3	of 5	
Item	1(a). Name of Issuer	:	Axonyx Inc.				
Item	1(b). Address of Iss	uers's Principal	500 Seventh A	venue,	10th Flo	oor	

Edgar Filing: MILLER LLOYD I III - Form SC 13G

	Executive Offices:	New York, New York 10018
Item 2(a).	Name of Person Filing:	Lloyd I. Miller, III
Item 2(b).	Address of Principal Business Office or, if None, Residence:	4550 Gordon Drive, Naples, Florida 34102
Item 2(c).	Citizenship:	U.S.A.
Item 2(d).	Title of Class of Securities:	Common Stock
Item 2(e).	CUSIP Number:	05461R101

Item 3. IF THIS STATEMENT IS FILED PURSUANT TO RULE 13d-1(b) OR 13d-2(b) or (c), CHECK WHETHER THE PERSON FILING IS A:

Not Applicable, this statement is filed pursuant to 13d-1(c)

- Item 4. OWNERSHIP: The reporting person has sole voting and dispositive power with respect to 2,140,057 of the reported securities as (i) the manager of a limited liability company that is the general partner of a certain limited partnership, (ii) as the custodian to accounts set up under the Florida Uniform Gift to Minors Act and (iii) as an individual. The reporting person has shared voting and dispositive power with respect to 995,000 of the reported securities as an investment advisor to the trustee of a certain family trust.
 - (a) 3,135,057
 - (b) 5.8%
 - (c) (i) sole voting power: 2,140,057
 - (ii) shared voting power: 995,000
 - (iii) sole dispositive power: 2,140,057
 - (iv) shared dispositive power: 995,000
- Item 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS:

Not Applicable

Item 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON:

Other than shares held directly by Lloyd I. Miller, III, persons other than Lloyd I. Miller III, have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, the reported securities.

Item 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY:

Not Applicable

Page 4 or 5

Item 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP:

Edgar Filing: MILLER LLOYD I III - Form SC 13G

Not Applicable

Item 9. NOTICE OF DISSOLUTION OF GROUP:

Not Applicable

Item 10. CERTIFICATION:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

Page 5 of 5

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.

Dated: December 29, 2005

/s/ Lloyd I. Miller, III ------Lloyd I. Miller, III