FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APP	ROVAL
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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Name and Addres MIDDLETOR	ss of Reporting Perso $rac{N}{FRED} rac{A}{A}$	n*			ssuer Name and Tio <u>ereotaxis, Inc</u>			g Symbol			(Ch	Relationship of Repleck all applicable) X Director		to Issuer 0% Owner	
(Last) 400 SOUTH EL	(First) CAMINO REAL	(Middle)		3. Date of Earliest Transaction (Month/Day/Year) 03/12/2008								Officer (give t below)		Other (specify pelow)	
Street) SAN MATEO	CA	94402-	1708	4. I	f Amendment, Date	of Orig	inal Fi	led (Month/Da	ay/Year)		Line	X Form filed by	roup Filing (Che One Reporting More than One	Person	
(City)	(State)	(Zip)													
		ıble I - N			Securities Ac	quire	d, D				ial			I	
Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Y		Execution Date, if any (Month/Day/Year)	Transaction Code (Instr. 8)		5)		str. 3, 4 and		5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
						Code	v	Amount	(A) or (D)	Price		Transaction(s) (Instr. 3 and 4)		(,	
Common Stock			03/12/200	80		P		600	A	\$3.77	7	173,986	D		
Common Stock			03/12/200	80		P		400	A	\$3.78	8	174,386	D		
Common Stock			03/12/200	80		P		100	A	\$3.79	9	174,486	D		
Common Stock			03/12/200	80		P		100	A	\$3.8	3	174,586	D		
Common Stock												620,366	I	Sanderling Venture Partners VI Co- Investment Fund, L.P.	
Common Stock												12,006	I	Sanderling VI Beteiligungs GmbH & Co KG	
Common Stock												14,305	I	Sanderling VI Limited Partnership	
Common Stock												6,149	I	Sanderling Ventures Management VI	
Common Stock												781,351	I	Sanderling Venture Partners II, L.P.	
Common Stock												15,000	I	Sanderling Mgmt. LLC 401K Pension Profit Sharing Plan	
Common Stock												532,758	I	Sanderling IV Biomedical Co- Investment Fund, L.P.	

1. Title of S	Security (Inst	r. 3)	- 1	Date	Transaction ate Execution Date, fonth/Day/Year) 2A. Deemed Execution Date, if any (Month/Day/Year) 3. Transaction Code (Instr. 8) 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)				5. Amount Securities Beneficial Owned Fo Reported	i Iy	6. Own Form: I (D) or I (I) (Inst	Direct ndirect	7. Natur Indirect Benefici Owners (Instr. 4)	ect ficial ership						
								C	Code	v	Amount	(A) or (D)	Price	Transactio (Instr. 3 ar				(Instr. 4)	(instr. 4)	
Common Stock														110,971		I		Sanderling V Beteiligung GmbH & Co. KG		
Common	Stock													397,:	164]	I	Sander V Biome Co- Investr Fund,	edical ment	
Common	Stock													119,5	566]	[]	Sander V Lim Partne	ited	
Common	Stock													677,9	906	1		Sander Ventur Partner Co- Investr Fund,	re rs V ment	
Common	Stock													224,	515	1	I	Sander Ventur Partner Co- Investr Fund	rs IV	
Common	Stock													828]	, Ve		rling res gemer	
Common	Common Stock													797		,		Middle McNei Retires Trust	il	
		Та	able II -								posed of, convertib			y Owned						
Derivative Conversion Date Execu Security or Exercise (Month/Day/Year) if any	if any	eemed 4. Transa Code (n/Day/Year) 8)				nber tive ties red sed	6. Date Exe Expiration I (Month/Day		cisable and Date	7. Title Amoun Securit Underly Derivat	and t of ies /ing	8. Price of Derivative Security (Instr. 5)		ive Ownies Cially Dir or (I) (I) (I) (I) (II) (II) (III) (III) (IIII) (IIIIIIII	10. Ownersl Form: Direct (I or Indire (I) (Instr.	hip of I Ber O) Ow ect (Ins	Nature ndirect neficial nershi str. 4)			
					Code	v	(A)		Date Exerci	isable	Expiration Date	Title	Amount or Number of Shares							

Explanation of Responses:

/s/ Fred A. Middleton

03/13/2008

** Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.

 $^{^{\}star}$ If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

^{**} Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).