FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL							
OMB Number:	3235-0287						
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

1. Name and Address of Reporting Person* TSUKAMOTO ANN						2. Issuer Name and Ticker or Trading Symbol STEMCELLS INC [STEM]									(Check	all app	nip of Reporting loplicable) ector cer (give title		10% O	
	(Fi MCELLS, RTER DRI	INC.	Middle)			ate o		st Trans	action (M	lonth/	Day/Year)				X	belov		and D	below)	
(Street) PALO AI (City))4304 Zip)		4. If	Ame	l Filed	I (Month/Da	ay/Ye	ear)		6. Indiv Line) X	Form	r Joint/Group n filed by One n filed by Mor on	orting Perso	on				
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
Da		2. Transaction Date (Month/Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) of Disposed Of (D) (Instr. 3, 4				and 5) Sec Ben Owr		cially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership			
									Code	v	Amount		(A) or (D)	Pric	e	Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)
Common	Common Stock 08/17/2				2009(1	009(1)		М		25,000		A	\$1.188		25	255,833		D		
Common	Stock			08/17/2	2009(1)			М		25,000		D	\$1	.6208	08 230,833 D				
Common	Stock															1 22 834 1 1 1				family trust ⁽²⁾
Common Stock																3	9,772		I	By 401(k) Plan ⁽³⁾
		Та									sed of, onvertib					wned				
				Transa Code (ansaction of I		6. Date E Expiratio (Month/E	Amount of Securities Underlying Derivative Security (Instr. : and 4)		Deri Sec (Inst	rice of vative urity tr. 5)	tive derivative ty Securities	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)						
	Code		v	(A)	(D)	Date Exercisa		Expiration Date	or Number of Title Shares		r									

Explanation of Responses:

- 1. The transactions reported in this Form 4 were effected pursuant to a Rule 10b5-1 sales plan adopted by the reporting person on April 13, 2009.
- 2. 22834 shares held in trust as to which Dr. Tsukamoto disclaims beneficial ownership.
- 3. Shares held in 401(k) account, in accordance with issuer's employer-match policies.

Remarks:

/s/ Ken Stratton, attorney-in-

08/19/2009

fact

** Signature of Reporting Person

Date

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

- * 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).

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

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