COMPUGEN LTD Form SC 13G/A February 12, 2010

	OMB APP	ROVAL		
OMB Number	r:		3235-	-0145
Expires:	Fe	bruary	28,	2009
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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No._) *

COMPUGEN LTD

(Name of Issuer)

Common Stock

(Title of Class of Securities)

M25722105

(CUSIP Number)

December 31, 2009

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

(Date Of Event which Requires Filing of this Statement)

- [x] Rule 13d-1(b)
 [] Rule 13d-1(c)
- [] Rule 13d-1(d)
- * 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 the disclosures provided in a prior cover page.

The information required in 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).

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 control number.

SEC 1745 (3-06)

JSIP No.	M2572210)5		13G	Page 2 of 8 Pages	
	NAME OF REPORTING PERSON: I.R.S. IDENTIFICATION NO. OF ABOVE PERSON:					
	rgan Sta R.S. #36	-	972			
2. CH	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP:					
(a	(a) []					
(b) []					
3. SE	C USE ON					
4. CI			LACE OF O	 RGANIZATION:		
Th	e state	of org	ganization	is Delaware.		
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH	5.	SOLE VOTIN				
	6.	SHARED VO	TING POWER:			
REPORTING PERSON WITH:			SOLE DISPO 2,133,966	OSITIVE POWER:		
				SPOSITIVE POWER:		
	GREGATE 133,966			ALLY OWNED BY EACH RE	EPORTING PERSON:	
10. CH	ECK BOX			E AMOUNT IN ROW (9) F	EXCLUDES CERTAIN SHARES:	
[]					
	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9): 6.5%					
10 73	TYPE OF REPORTING PERSON: HC, CO					

CUSIP No.M25722105 13G Page 3 of 8 Pages

1. NAME OF REPORTING PERSON:

	I.R.S. ID	DENTIFICATION NO	O. OF ABOVE PERSON:		
	_	anley Smith Bar ‡26-4310844	rney LLC		
2.	CHECK THE	E APPROPRIATE BO	OX IF A MEMBER OF A GR	KOUP:	
	(a) []				
	(b) []				
3.	SEC USE C	ONLY:			
4.	CITIZENSH	HIP OR PLACE OF	ORGANIZATION:		
	The state	e of organizatio	on is Delaware.		
S	BER OF HARES	5. SOLE VO. 1,543,57			
BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:			6. SHARED VOTING POWER:		
		7. SOLE DIS 2,133,96			
		8. SHARED I	DISPOSITIVE POWER:		
9.	AGGREGATE 2,133,966		CIALLY OWNED BY EACH R	EPORTING PERSON:	
10.	CHECK BOX	K IF THE AGGREGA	ATE AMOUNT IN ROW (9)	EXCLUDES CERTAIN	SHARES:
11.	PERCENT C	DF CLASS REPRESI	ENTED BY AMOUNT IN ROW	1 (9):	
12.	TYPE OF F	REPORTING PERSON	N:		
CUSIP 1	No.M257221	L05 	13G 	Page 4	l of 8 Pages
Item 1. (a)		Name of Issue	er:		
		COMPUGEN LTD			
	(b)	Address of Is	ssuer's Principal Exec	utive Offices:	
		72 PINCHAS ROTEL AVIV L3 (
Item 2	. (a)	Name of Perso	on Filing:		

(1) Morgan Stanley

		(2) Morgan Stanley Smith Barney LLC			
	(b)	Address of Principal Business Office, or if None, Residence:			
		(1) 1585 Broadway			
		New York, NY 10036 (2) 1585 Broadway			
		New York, NY 10036			
	(c)	Citizenship:			
		(1) The state of organization is Delaware.(2) The state of organization is Delaware.			
	(d)	Title of Class of Securities:			
		Common Stock			
	(e)	CUSIP Number:			
		M25722105			
Item 3.		s statement is filed pursuant to Sections 240.13d-1(b) or 3d-2(b) or (c), check whether the person filing is a:			
	(a) [x	Broker or dealer registered under Section 15 of the Act (15 U.S.C. 780). Morgan Stanley & Co. Incorporated			
	(b) [] Bank as defined in Section 3(a)(6) of the Act (15 U.S.C. 78c).			
	(c) [] Insurance company as defined in Section 3(a)(19) of the Act (15 U.S.C. 78c).			
	(d) [] Investment company registered under Section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).			
	(e) [] An investment adviser in accordance with Section 240.13d-1(b)(1)(ii)(E);			
	(f) [] An employee benefit plan or endowment fund in accordance with Section 240.13d-1(b)(1)(ii)(F);			
	(g) [x	A parent holding company or control person in accordance with Section 240.13d-1(b)(1)(ii)(G); Morgan Stanley			
	(h) [] A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);			
	(i) [] A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);			
	(j) [] Group, in accordance with Section 240.13d-1(b)(1)(ii)(J).			

- Item 4. Ownership as of December 31, 2009.*
 - (a) Amount beneficially owned: See the response(s) to Item 9 on the attached cover page(s).
 - (b) Percent of Class: See the response(s) to Item 11 on the attached cover page(s).
 - (c) Number of shares as to which such person has:
 - Sole power to vote or to direct the vote: See the response(s) to Item 5 on the attached cover page(s).
 - (ii) Shared power to vote or to direct the vote: See the response(s) to Item 6 on the attached cover page(s).
 - (iii) Sole power to dispose or to direct the disposition of: See the response(s) to Item 7 on the attached cover page(s).
 - (iv) Shared power to dispose or to direct the disposition of: See the response(s) to Item 8 on the attached cover page(s).
- Item 5. Ownership of Five Percent or Less of a Class.

Not Applicable

Ownership of More Than Five Percent on Behalf of Another Person.

Not Applicable

Identification and Classification of the Subsidiary which Acquired Item 7. the Security Being Reported on By the Parent Holding Company.

See Exhibit 99.2

Item 8. Identification and Classification of Members of the Group.

Not Applicable

Item 9. Notice of Dissolution of Group.

Not Applicable

Certification. Item 10.

> By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and 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.

* In Accordance with the Securities and Exchange Commission Release No. 34-39538 (January 12, 1998) (the "Release"), this filing reflects the securities beneficially owned, or that may be deemed to be beneficially owned, by certain operating units (collectively, the "MS Reporting Units") of Morgan Stanley and its subsidiaries and affiliates (collectively, "MS"). This filing does not reflect securities, if any, beneficially owned by any operating units

of MS whose ownership of securities is disaggregated from that of the MS Reporting Units in accordance with the Release.

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	Signature.					
			edge and belief, I certify true, complete and correct.			
Date:	February 12, 2010					
Signature:	/s/ Ingrid M. Keag					
Name/Title:	: Ingrid M. Keag/Authorized Signatory, MORGAN STANLEYMORGAN STANLEY					
Date:	February 12, 2010					
Signature:	/s/ Thomas Nelli					
Name/Title:	Name/Title: Thomas Nelli/Authorized Signatory, MORGAN STANLEY SMITH BARNEY LLC					
MORGAN STANLEY SMITH BARNEY LLC						
EXHIBIT NO.		EXHIBITS	PAGE			
99.1		Joint Filing Agreement	. 7			
99.2		Item 7 Information	8			
	n. Intentional mis olations (see 18 U		s of fact constitute federal			
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EXHIBIT NO. 99.1 TO SCHEDULE 13G

JOINT FILING AGREEMENT

February 12, 2010

MORGAN STANLEY and MORGAN STANLEY SMITH BARNEY LLC, hereby agree that, unless differentiated, this Schedule 13G is filed on behalf of each of the parties.

MORGAN STANLEY

BY: /s/ Ingrid M. Keag

Ingrid M. Keag/Authorized Signatory, MORGAN STANLEY

MORGAN STANLEY SMITH BARNEY LLC

BY: /s/ Thomas Nelli

Thomas Nelli/Authorized Signatory, MORGAN STANLEY SMITH BARNEY LLC

 * Attention. Intentional misstatements or omissions of fact constitute federal criminal violations (see 18 U.S.C. 1001).

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EXHIBIT NO. 99.2

ITEM 7 INFORMATION

The securities being reported on by Morgan Stanley as a parent holding company are owned, or may be deemed to be beneficially owned, by Morgan Stanley Smith Barney LLC, a broker dealer registered under Section 15 of the Securities Exchange Act of 1934, as amended.