UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G

Under	the	Securities	Exchange	Act	OΤ	1934
-------	-----	------------	----------	-----	----	------

4. CITIZENSHIP OR PLACE OF ORGANIZATION:

	(Amend	ment No.)*	
	Aprea The	rapeutics, Inc.	
	(Name	of Issuer)	
	Comm	on Stock	
		ss of Securities)	
	038	36J102 	
		P Number)	
	March 1	5, 2021	
	(Date Of Event which Requi		
Check the a is filed:	appropriate box to designate	the rule pursuant to wh	nich this Schedule
[] Ru	ile 13d-1(b)		
[x] Ru	le 13d-1(c)		
[] Ru	le 13d-1(d)		
initial fill for any sub	ainder of this cover page sh ling on this form with respe esequent amendment containin s provided in a prior cover	ct to the subject class g information which woul	of securities, and
to be "file 1934 ("Act'	ation required in the remain ed" for the purpose of Secti ') or otherwise subject to t be subject to all other prov	on 18 of the Securities he liabilities of that s	Exchange Act of section of the Act
	o respond to the collection ed to respond unless the for		
SEC 1745 (3	3-06)		
CUSIP No.03	3836J102	13G	Page 2 of 8 Pages
	OF REPORTING PERSON: S. IDENTIFICATION NO. OF AB		
_	gan Stanley S. # 36-3145972		
2. CHEC	CK THE APPROPRIATE BOX IF A	MEMBER OF A GROUP:	
(a)	[]		
(b)			
3. SEC	USE ONLY:		

Delaware.		
NUMBER OF SHARES BENEFICIALLY	5.	SOLE VOTING POWER:
OWNED BY EACH REPORTING	6.	SHARED VOTING POWER: 1,069,711
PERSON WITH:	7.	SOLE DISPOSITIVE POWER:
	8.	SHARED DISPOSITIVE POWER: 1,072,411
9. AGGREGATE 1,072,411	AMOUN	T BENEFICIALLY OWNED BY EACH REPORTING PERSON:
10. CHECK BOX	IF TH	E AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:
11. PERCENT OF 5.1%	CLAS	S REPRESENTED BY AMOUNT IN ROW (9):
12. TYPE OF RE	PORTI	NG PERSON:

.-----

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9):

12. TYPE OF REPORTING PERSON:

CO

Item 1.	(a)	Name of Issuer:
		Aprea Therapeutics, Inc.
	(b)	Address of Issuer's Principal Executive Offices:
		535 BOYLSTON STREET BOSTON MA 02116 UNITED STATES OF AMERICA
Item 2.	(a)	Name of Person Filing:
		(1) Morgan Stanley(2) Morgan Stanley Capital Services 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) Delaware.(2) Delaware.
	(d)	Title of Class of Securities:
		Common Stock
	(e)	CUSIP Number:
		03836J102
Item 3.		ais statement is filed pursuant to Sections 240.13d-1(b) or .3d-2(b) or (c), check whether the person filing is a:
	(a) [Broker or dealer registered under Section 15 of the Act (15 U.S.C. 780).
	(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 Sections 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) [A parent holding company or control person in accordance with Section 240.13d-1(b)(1)(ii)(G);
	(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) [A non-U.S. institution in accordance with section 240.13d-1(b)(1)(ii)(J);
	(k) [Group, in accordance with sections 240.13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with sections 240.13d-1(b)(1)(ii)(J), please specify the type of institution: Not Applicable

Item 4. Ownership as of March 15, 2021.*

- (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:
 - (i) 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

Item 6. Ownership of More Than Five Percent on Behalf of Another Person.

Not Applicable

Item 7. Identification and Classification of the Subsidiary which Acquired 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

Item 10. Certification.

- (1) 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.
- * 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.

Page	6	of	8	Pages	

CUSIP No.03836J102 13G

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: March 24, 2021

Signature: /s/ Christopher O'Hara

Name/Title: Christopher O'Hara/Authorized Signatory, Morgan Stanley

MORGAN STANLEY

Date: March 24, 2021

Signature: /s/ Christina Huffman

Name/Title: Christina Huffman/Authorized Signatory,

Morgan Stanley Capital Services LLC

Morgan Stanley Capital Services LLC

EXHIBIT NO.	EXHIBITS	PAGE	
99.1	Joint Filing Agreement	7	
99.2	Item 7 Information	8	

 $^{^{\}star}$ Attention. Intentional misstatements or omissions of fact constitute federal criminal violations (see 18 U.S.C. 1001).

EXHIBIT NO. 99.1 TO SCHEDULE 13G JOINT FILING AGREEMENT

March 24, 2021

MORGAN STANLEY and Morgan Stanley Capital Services LLC hereby agree that, unless differentiated, this Schedule 13G is filed on

behalf of each of the parties.

MORGAN STANLEY

BY: /s/ Christopher O'Hara

Christopher Ollier Authorized Cianatory Margan Ctanley

Christopher O'Hara/Authorized Signatory, Morgan Stanley

Morgan Stanley Capital Services LLC

BY: /s/ Christina Huffman

Christina Huffman/Authorized Signatory, Morgan Stanley Capital Services LLC

 $^{^{\}star}$ Attention. Intentional misstatements or omissions of fact constitute federal criminal violations (see 18 U.S.C. 1001).

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 Capital Services LLC, a wholly-owned subsidiary of Morgan Stanley.