Ellington Residential Mortgage REIT Form SC 13G February 14, 2017

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

	Ellington Resid	ential Mortgage REIT			
	(Name of Issuer)				
Common Shares	s of Beneficial Interest,	\$0.01 par value per share			
(Title of Class of Securities)					
	288578107				
	(CUSIP Number) July 13, 2016				
(Date of Event	Which Requires Filing of	this Statement)			
Check the appropriate box to d Schedule is filed:	designate the rule pursuan	t to which this			
[X] Rule 13d-1(b)					
[_] Rule 13d-1(c)					
[_] Rule 13d-1(d)					
*The remainder of this cover p initial filing on this form w and for any subsequent amendm the disclosures provided in a	with respect to the subjecment containing information	t class of securities,			
The information required in the deemed to be "filed" for the pact of 1934 ("Act") or otherwiful of the Act but shall be subject see the Notes).	ourpose of Section 18 of t ise subject to the liabili	he Securities Exchange ties of that section			
CUSIP NO. 288578107	13G	Page 2 of 8 Pages			
(1) NAMES OF REPORTING PERSO	DNS. NOS. OF ABOVE PERSONS (ent	ities only).			
Renaissance Technologies	3 LLC 26-0385758				
(2) CHECK THE APPROPRIATE BOX (a) [_]	K IF A MEMBER OF A GROUP (SEE INSTRUCTIONS):			

	(b) [_]			
(3)	SEC USE ONLY			
(4)	CITIZENSHIP OR PLACE OF ORG	GANIZATION		
	Delaware			
			(5)	SOLE VOTING POWER
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:			528,308	
			(6)	SHARED VOTING POWER
				0
		(7)	SOLE DISPOSITIVE POWER	
			566,910	
			(8)	SHARED DISPOSITIVE POWER
			80,616	
(9)	AGGREGATE AMOUNT BENEFICIA	ALLY OWNED BY EAC	CH RE	PORTING PERSON
	6	547,526		
(10)	CHECK BOX IF THE AGGREGATE	AMOUNT IN ROW ((9) E	XCLUDES CERTAIN SHARES
	(SEE INSTRUCTIONS)			[_]
(11)	PERCENT OF CLASS REPRESEN	TED BY AMOUNT IN	N ROW	(9)
	7	1.09 %		
(12)	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS	5)	
		Page 2 of 8 pag		
====		Page 3 of 8 pag		
	IP NO. 288578107	13G		Page 3 of 8 Page
(1)	NAMES OF REPORTING PERSONS	5.		ENTITIES ONLY).
	RENAISSANCE TECHNOLOGIES F	OLDINGS CORPORAT	CION	13-3127734
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) [_] (b) [_]			
 (3)	SEC USE ONLY			

(4) CITIZENSHIP OR PLACE OF ORGANIZATION	
Delaware	
	(5) SOLE VOTING POWER
NUMBER OF SHARES BENEFICIALLY OWNED	528,308
BY EACH REPORTING PERSON WITH:	(6) SHARED VOTING POWER
	0
	(7) SOLE DISPOSITIVE POWER
	566,910
	(8) SHARED DISPOSITIVE POWER
	80,616
(9) AGGREGATE AMOUNT BENEFICIALLY OWNED	BY EACH REPORTING PERSON
647,526	
(10) CHECK BOX IF THE AGGREGATE AMOUNT I (SEE INSTRUCTIONS) [_]	N ROW (9) EXCLUDES CERTAIN SHARES
(11) PERCENT OF CLASS REPRESENTED BY AM	OUNT IN ROW (9)
7.09 %	
(12) TYPE OF REPORTING PERSON (SEE INSTR	UCTIONS)
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CUSIP NO. 288578107	13G Page 4 of 8 Page:
Item 1.	
(a) Name of Issuer	
Ellington Residential Mortgage R	EIT
(b) Address of Issuer's Principal Ex	ecutive Offices.
53 Forest Avenue, Old Greenwich	, CT 06870
Item 2.	
(a) Name of Person Filing:	
	d by Renaissance Technologies LLC ogies Holdings Corporation ("RTHC").

(b) Address of Principal Business Office or, if none, Residence.

The principal business address of the reporting persons is:

800 Third Avenue New York, New York 10022

(c) Citizenship.

RTC is a Delaware limited liability company, and RTHC is a Delaware corporation.

(d) Title of Class of Securities.

Common Shares of Beneficial Interest, \$0.01 par value per share

(e) CUSIP Number.

288578107

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- (a) [_] Broker or dealer registered under section 15 of the Act.
- (b) [_] Bank as defined in section 3(a)(6) of the Act.
- (c) [_] Insurance Company as defined in section 3(a)(19) of the Act.
- (d) [_] Investment Company registered under section 8 of the Investment Company Act.
- (e) [x] Investment Adviser in accordance with Sec.240.13d-1(b) (1) (ii) (E).
- (f) [_] Employee Benefit Plan or Endowment Fund in accordance with Sec. 240.13d-1 (b) (1) (ii) (F).
- (g) [_] Parent holding company, in accordance with Sec.240.13d-1(b)(1)(ii)(G).
- (h) [_] A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act.
- (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.
- (j) $[_]$ Group, in accordance with Sec.240.13d-1(b)(1)(ii)(J).

Item 4. Ownership.

(a) Amount beneficially owned.

RTC: 647,526 shares

RTHC: 647,526 shares, comprising the shares beneficially owned by RTHC, because of RTHC's majority ownership of RTC.

(b) Percent of Class.

RTC: 7.09 % RTHC: 7.09 %

- (c) Number of shares as to which the person has:
 - (i) sole power to vote or to direct the vote:

RTC: 528,308 RTHC: 528,308

(ii) Shared power to vote or to direct the vote: 0

(iii) sole power to dispose or to direct the disposition of:

RTC: 566,910 RTHC: 566,910

(iv) Shared power to dispose or to direct the disposition of:

RTC: 80,616 RTHC: 80,616

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Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following: [_]

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

Certain funds and accounts managed by RTC have the right to receive dividends and proceeds from the sale of the securities which are the subject of this report.

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

Not applicable

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

Not applicable

Item 9. Notice of Dissolution of a Group.

Not applicable

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Item 10. Certification

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 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.

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: February 14, 2017

Renaissance Technologies LLC

By: Mark Silber

Executive Vice President

Renaissance Technologies Holdings Corporation

By: Mark Silber
Vice President

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See $18\ U.S.C.\ 1001$).

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EXHIBIT 99.1

AGREEMENT REGARDING JOINT FILING

UNDER RULE 13D-1(K) OF THE EXCHANGE ACT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, each of the undersigned agrees to the filing on behalf of each of a Statement on Schedule 13G, and all amendments thereto, with respect to the Common Shares of Beneficial Interest, \$0.01 par value per share of Ellington Residential Mortgage REIT.

Date: February 14, 2017

Renaissance Technologies LLC

By: Mark Silber

Executive Vice President

Renaissance Technologies Holdings Corporation

By: Mark Silber Vice President

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