IAMGOLD CORP Form SC 13G February 14, 2018

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

		IAMGOLD Corporation	
	(Name	of Issuer)	
	Common	Shares	
	(Title of Clas	ss of Securities)	
		450913108	
	(CUSIP	Number) September 18, 2017	
	(Date of Event Which Re	equires Filing of this S	tatement)
Check the appro Schedule is fil	priate box to designate ed:	the rule pursuant to wh	ich this
[X] Rule 1	3d-1 (b)		
[_] Rule 1	3d-1(c)		
[_] Rule 1	3d-1(d)		
initial filing and for any su	of this cover page shall on this form with respe bsequent amendment conta s provided in a prior co	ect to the subject class aining information which	of securities,
deemed to be "f Act of 1934 ("A	required in the remaind iled" for the purpose of ct") or otherwise subject shall be subject to all	f Section 18 of the Secu ct to the liabilities of	rities Exchange that section
CUSIP NO. 4509	  13108	13G	======================================
,	REPORTING PERSONS.  DENTIFICATION NOS. OF AE	BOVE PERSONS (entities o	nly).
Renaissan	ce Technologies LLC	26-0385758	
(2) CHECK THE (a) [_]	APPROPRIATE BOX IF A MEM	MBER OF A GROUP (SEE INS	TRUCTIONS):

	(b) [_]			
(3)	SEC USE ONLY			
(4)	CITIZENSHIP OR PLACE OF O	 RGANIZATION		
	Delaware			
			(5)	SOLE VOTING POWER
	NUMBER OF SHARES BENEFICIALLY OWNED			26,245,400
	BY EACH REPORTING PERSON WITH:		(6)	SHARED VOTING POWER
				0
			(7)	SOLE DISPOSITIVE POWER
				27,097,093
			(8)	SHARED DISPOSITIVE POWER
				677,803
(9)	AGGREGATE AMOUNT BENEFIC	IALLY OWNED BY EAC	H REI	PORTING PERSON
		27,774,896		
(10)	CHECK BOX IF THE AGGREGA	TE AMOUNT IN ROW (	 9) ΕΣ	CLUDES CERTAIN SHARES
	(SEE INSTRUCTIONS)			[_]
(11)	PERCENT OF CLASS REPRES	ENTED BY AMOUNT IN	ROW	(9)
		5.97 %		
(12)	TYPE OF REPORTING PERSON	(SEE INSTRUCTIONS	)	
		Page 2 of 8 pag	es	
		======================================		
	IP NO. 450913108	 13G		Page 3 of 8 Page
(1)	NAMES OF REPORTING PERSO	NS.		ENTITIES ONLY).
	RENAISSANCE TECHNOLOGIES	HOLDINGS CORPORAT	ION	13-3127734
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)  (a) [_]  (b) [_]			
(3)	SEC USE ONLY			

	Pelleren	
	Delaware 	
		(5) SOLE VOTING POWER
	NUMBER OF SHARES BENEFICIALLY OWNED	26,245,400
	BY EACH REPORTING PERSON WITH:	(6) SHARED VOTING POWER
		0
		(7) SOLE DISPOSITIVE POWER
		27,097,093
		(8) SHARED DISPOSITIVE POWER
		677,803
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH	CH REPORTING PERSON
	27,774,896	
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (SEE INSTRUCTIONS) [_]	(9) EXCLUDES CERTAIN SHARES
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN	N ROW (9)
	5.97 %	
(12)	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS	S)
	Page 3 of 8 page	ges
CUS		Page 4 of 8 Page
tem	1.	
	(a) Name of Issuer	
	IAMGOLD Corporation	
	(b) Address of Issuer's Principal Executive	a Offices
	401 Bay Street, Suite 3200, PO Box 153	
tem		s, lolonco, oncallo Mon 214
	(a) Name of Person Filing:	
	This Schedule 13G is being filed by Re ("RTC") and Renaissance Technologies I	

(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

(e) CUSIP Number.

450913108

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- Item 3. If this statement is filed pursuant to Rule 13d-1(b) or 13-d-2(b)or (c), check whether the person filing is a:
- (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:

27,774,896 shares 27,774,896 shares, comprising the shares beneficially owned RTHC: by RTHC, because of RTHC's majority ownership of RTC.

(b) Percent of Class.

RTC: 5.97 % RTHC: 5.97 %

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

RTC: 26,245,400 RTHC: 26,245,400

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

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

RTC: 27,097,093 RTHC: 27,097,093

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

RTC: 677,803 RTHC: 677,803

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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 13, 2018

Renaissance Technologies LLC

By: /s/ Mark Silber
Executive Vice President

Executive vice President

Renaissance Technologies Holdings Corporation

By: /s/ 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 IAMGOLD Corporation.

Date: February 13, 2018

Renaissance Technologies LLC

By: /s/ Mark Silber
Executive Vice President

Renaissance Technologies Holdings Corporation

By: /s/ Mark Silber Vice President

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