EXCHANGE COMMISSION	SSION
.C. 20549	

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 4)\*

	Enzon Pharmaceuticals, Inc
	(Name of Issuer)
	Common Stock
(Title of Class	of Securities)
	293904108
(	CUSIP Number) December 31, 2010
(Date of Even	t Which Requires Filing of this Statement)
Check the appropriate box Schedule is filed:	to designate the rule pursuant to which this
[X] Rule 13d-1(b)	
[_] Rule 13d-1(c)	
[_] Rule 13d-1(d)	
and for any subsequent am the disclosures provided  The information required i deemed to be "filed" for t Act of 1934 ("Act") or oth	erm with respect to the subject class of securities, sendment containing information which would alter in a prior cover page.  In the remainder of this cover page shall not be the purpose of Section 18 of the Securities Exchange the erwise subject to the liabilities of that section be to all other provisions of the Act (however,
CUSIP NO. 293904108 13G	Page 2 of 8 Pages
(1) NAMES OF REPORTING P I.R.S. IDENTIFICATI  Renaissance Technolo	ON NOS. OF ABOVE PERSONS (entities only).
(2) CHECK THE APPROPRIATE (a) [_] (b) [_]	BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS):
(3) SEC USE ONLY	
(4) CITIZENSHIP OR PLACE O  Delaware  (5) SOLE VOTING POWE  NUMBER OF SHARES	

(7) SOLE DISPOSITIVE POWER	
2,381,749	
(8) SHARED DISPOSITIVE POWER	
(6) SHARED DISPOSITIVE POWER  254,535	
(9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
2,636,284	
(10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARE: (SEE INSTRUCTIONS)	3
(11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)	
4.41%	
(12) TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)  IA	
Page 2 of 8 pages	
CUSIP NO. 293904108 13G Page 3 of 8 Pages	
(1) NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).	
James H. Simons	
(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	
United States	
(5) SOLE VOTING POWER	
NUMBER OF SHARES 0 BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: (6) SHARED VOTING POWER	
0	
(7) SOLE DISPOSITIVE POWER	
0	
(8) SHARED DISPOSITIVE POWER	
0	
(9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 0	
(10) CHECK BOY IF THE ACCRECATE AMOUNT IN DOW (8) EYCIIDES CEPTAIN SHAPE	

(10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)

(11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
0
(12) TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)  OO
Page 3 of 8 pages
CUSIP NO. 293904108 13G Page 3 of 8 Pages
(1) NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).
RENAISSANCE TECHNOLOGIES HOLDINGS CORPORATION 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 2,162,966 BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH: (6) SHARED VOTING POWER
0
(7) SOLE DISPOSITIVE POWER
(7) SOLE DISPOSITIVE POWER 2,381,749
2,381,749
2,381,749  (8) SHARED DISPOSITIVE POWER
2,381,749  (8) SHARED DISPOSITIVE POWER  254,535  ——————————————————————————————————
2,381,749  (8) SHARED DISPOSITIVE POWER  254,535  (9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  2,636,284  (10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)
2,381,749  (8) SHARED DISPOSITIVE POWER  254,535  (9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  2,636,284  (10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)
(8) SHARED DISPOSITIVE POWER  254,535  (9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  2,636,284  (10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)  [_]  (11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  4.41 %
(8) SHARED DISPOSITIVE POWER  254,535  (9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  2,636,284  (10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)  [_]  (11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
(8) SHARED DISPOSITIVE POWER  254,535  (9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  2,636,284  (10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)  [_]  (11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  4.41 %  (12) TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)
2,381,749  (8) SHARED DISPOSITIVE POWER  254,535  (9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  2,636,284  (10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)  [_]  (11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  4.41 %  (12) TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)  HC  Page 3 of 8 pages
2,381,749  (8) SHARED DISPOSITIVE POWER  254,535  (9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  2,636,284  (10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)  [_]  (11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  4.41 %  (12) TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)  HC  Page 3 of 8 pages

Enzon Pharmaceuticals, Inc

(b) Address of Issuer's Principal Executive Offices. 685 Route 202/206, Bridgewater, New Jersey 08807 Item 2. (a) Name of Person Filing: This Schedule 13G is being filed by Renaissance Technologies LLC ("RTC"), James H. Simons ("Simons") and Renaissance Technologies 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. Dr. Simons is a United States citizen, RTC is a Delaware limited liability company, and RTHC is a Delaware corporation. (d) Title of Class of Securities. Common Stock (e) CUSIP Number. 293904108 Page 4 of 8 pages \_\_\_\_\_\_ 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: 2,636,284 shares Simons: 0 shares, because Dr. Simons is no longer deemed to be a control person of RTC. RTHC: 2,636,284 shares, comprising the shares beneficially owned by RTHC, because of RTHC's majority ownership of RTC. (b) Percent of Class. RTC: 4.41 % Simons: 0 % RTHC: 4.41 % (c) Number of shares as to which the person has:

(i) sole power to vote or to direct the vote:

RTC: 2,162,966 Simons: 0

RTHC: 2,162,966

- (ii) Shared power to vote or to direct the vote: 0
- (iii) sole power to dispose or to direct the disposition of:

RTC: 2,381,749 Simons: 0 RTHC: 2,381,749

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

RTC: 254,535 Simons: 0 RTHC: 254,535

Page 5 of 8 pages

\_\_\_\_\_

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:  $[X]^*$ 

\*As of January 1, 2010, James H. Simons ceased to be the beneficial owner of any of the securities reported herein.

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

Page 6 of 8 pages

\_\_\_\_\_

## 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 11, 2011

By: Mark Silber Executive Vice President

James H. Simons

Renaissance Technologies Holdings Corporation

By: Mark Silber Vice President

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

Page 7 of 8 Pages

\_\_\_\_\_

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 shares of Common Stock of

Enzon Pharmaceuticals, Inc.

Date: February 11, 2011

Renaissance Technologies LLC

By: Mark Silber Executive Vice President

James H. Simons

Renaissance Technologies Holdings Corporation

Page 8 of 8 Pages