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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. 1)\*

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**ATEA PHARMACEUTICALS, INC.**

(Name of Issuer)

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**Common Stock, \$0.001 par value per share**

(Title of Class of Securities)

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**04683R106**

(CUSIP Number)

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**December 31, 2021**

(Date of Event Which Requires Filing of this Statement)

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

- 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).

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1. Names of Reporting Persons  
Morningside Venture Investments Ltd

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2. Check the Appropriate Box if a Member of a Group (See Instructions)  
(a)   
(b)

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3. SEC Use Only

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4. Citizenship or Place of Organization  
British Virgin Islands

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Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person With

5. Sole Voting Power  
0

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6. Shared Voting Power  
0

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7. Sole Dispositive Power  
0

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8. Shared Dispositive Power  
0

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9. Aggregate Amount Beneficially Owned by Each Reporting Person  
0

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10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) o

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11. Percent of Class Represented by Amount in Row (9)  
0%

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12. Type of Reporting Person (See Instructions)  
CO

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1. Names of Reporting Persons  
Jill Marie Franklin

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2. Check the Appropriate Box if a Member of a Group (See Instructions)  
(a)  

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(b)  

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3. SEC Use Only

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4. Citizenship or Place of Organization  
United Kingdom

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Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person With

5. Sole Voting Power  
0

---

6. Shared Voting Power  
0

---

7. Sole Dispositive Power  
0

---

8. Shared Dispositive Power  
0

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9. Aggregate Amount Beneficially Owned by Each Reporting Person  
0

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10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

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11. Percent of Class Represented by Amount in Row (9)  
0%

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12. Type of Reporting Person (See Instructions)  
IN

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1. Names of Reporting Persons  
Peter Stuart Allenby Edwards

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2. Check the Appropriate Box if a Member of a Group (See Instructions)  
(a)  

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(b)  

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3. SEC Use Only

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4. Citizenship or Place of Organization  
United Kingdom

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Number of  
Shares  
Beneficially  
Owned by  
Each  
Reporting  
Person With

5. Sole Voting Power  
0

---

6. Shared Voting Power  
0

---

7. Sole Dispositive Power  
0

---

8. Shared Dispositive Power  
0

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9. Aggregate Amount Beneficially Owned by Each Reporting Person  
0

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10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

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11. Percent of Class Represented by Amount in Row (9)  
0%

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12. Type of Reporting Person (See Instructions)  
IN

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**Item 1.**

- (a) Name of Issuer  
Atea Pharmaceuticals, Inc.
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- (b) Address of Issuer's Principal Executive Offices  
125 Summer Street  
Boston, MA 02110
- 

**Item 2.**

- (a) Name of Person Filing  
Morningside Venture Investments Ltd  
Frances Anne Elizabeth Richard  
Cheung Ka Ho  
Jill Marie Franklin  
Peter Stuart Allenby Edwards
- 
- (b) Address of Principal Business Office or, if none, Residence  
c/o THC Management Services S.A.M.  
2nd Floor, Le Prince De Galles  
3-5 Avenue Des Citronniers  
MC 98000, Monaco

With copies to:  
Rosemary G. Reilly  
Wilmer Cutler Pickering Hale and Dorr LLP  
60 State Street  
Boston, Massachusetts 02109

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- (c) Citizenship  
Morningside Venture Investments Ltd – British Virgin Islands  
Frances Anne Elizabeth Richard – United Kingdom  
Cheung Ka Ho – Hong Kong  
Jill Marie Franklin – United Kingdom  
Peter Stuart Allenby Edwards – United Kingdom
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- (d) Title of Class of Securities  
Common Stock, \$0.001 par value per share ("Common Stock")
- 
- (e) CUSIP Number  
04683R106
- 

**Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-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. 78o).
- (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 §240.13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with §240.13d-1(b)(1)(ii)(G);
- (h)  A savings associations 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 §240.13d-1(b)(1)(ii)(J).

**Item 4. Ownership**

The information as of the date of the event which requires filing of this statement required by items 4(a)-(c) is set forth in rows 5-11 of the cover page for each Reporting Person hereto and is incorporated by reference for each such Reporting Person.



CUSIP No. 04683R106

**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**

Not applicable.

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person**

Not applicable.

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

See attached for identification of Members of the Group.

**Item 9. Notice of Dissolution of Group**

Not applicable.

**Item 10. Certification**

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, other than activities solely in connection with a nomination under § 240.14a-11.

