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

SCHEDULE 13G

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

Autolus Therapeutics plc (Name of Issuer)

Ordinary shares, nominal value \$0.000042 per share**

(Title of Class of Securities)

05280R100*** (CUSIP Number)

June 30, 2023

(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 Reporting Persons own ordinary shares through the Issuer's American Depositary Shares, each representing one ordinary share.
*** The ordinary shares have no CUSIP number. The CUSIP number for the Issuer's American Depositary Shares, each representing one ordinary share, is 05280R100.
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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CU	JSIP No. 05280R10	00	
1. Names of Reporting Persons			
	Paradigm BioCap	oital Advisors LP	
2.	Check the Approp	oriate Box if a Member of a Group (See Instructions)	
	(a) □ (b) ⊠		
3.	SEC Use Only		
4.	Citizenship or Pla	nce of Organization	
	Delaware		
	JMBER OF	5. SOLE VOTING POWER	10,098,584
	ARES NEFICIALLY	6. SHARED VOTING POWER	0
OV	VNED BY EACH	7. SOLE DISPOSITIVE POWER	10,098,584
	RSON WITH:	8. SHARED DISPOSITIVE POWER	0
9.	Aggregate Amour	nt Beneficially Owned by Each Reporting Person	
	10,098,584		
10.	Check if the Aggr	regate Amount in Row (9) Excludes Certain Shares (See Instructions) \square	
11.	Percent of Class F	Represented by Amount in Row (9)	
	5.8%		

The information above is given as of the end of business on July 10, 2023, the filing date of this Schedule 13G.

12. Type of Reporting Person (See Instructions)

PN

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CU	SIP No. 05280R10	00	
1.	Names of Reporti	ing Persons	
	Paradigm BioCap	oital Advisors GP LLC	
2.	Check the Approp	priate Box if a Member of a Group (See Instructions)	
	(a) □ (b) ⊠		
3.	SEC Use Only		
4.	Citizenship or Pla	ace of Organization	
	Delaware		
	MBER OF	5. SOLE VOTING POWER	10,098,584
	ARES NEFICIALLY	6. SHARED VOTING POWER	0
	VNED BY EACH PORTING	7. SOLE DISPOSITIVE POWER	10,098,584
	RSON WITH:	8. SHARED DISPOSITIVE POWER	0
9.	Aggregate Amou	nt Beneficially Owned by Each Reporting Person	
	10,098,584		
10.	Check if the Aggr	regate Amount in Row (9) Excludes Certain Shares (See Instructions) \Box	
11.	Percent of Class I	Represented by Amount in Row (9)	

The information above is given as of the end of business on July 10, 2023, the filing date of this Schedule 13G.

5.8%

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12. Type of Reporting Person (See Instructions)

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CU	ISIP No. 05280R10	00	
1. Names of Reporting Persons			
	Dr. Senai Asefaw	,	
2.	Check the Approp	priate Box if a Member of a Group (See Instructions)	
	(a) □ (b) ⊠		
3.	SEC Use Only		
4.	Citizenship or Pla	ace of Organization	
	USA		
	JMBER OF	5. SOLE VOTING POWER	10,098,584
	ARES NEFICIALLY	6. SHARED VOTING POWER	0
	VNED BY EACH PORTING	7. SOLE DISPOSITIVE POWER	10,098,584
	RSON WITH:	8. SHARED DISPOSITIVE POWER	0
9.	Aggregate Amou	nt Beneficially Owned by Each Reporting Person	
	10,098,584		
10.	Check if the Agg	regate Amount in Row (9) Excludes Certain Shares (See Instructions) \square	
11.	Percent of Class 1	Represented by Amount in Row (9)	
	5.8%		
12.	Type of Reporting	g Person (See Instructions)	
	IN		

The information above is given as of the end of business on July 10, 2023, the filing date of this Schedule 13G.

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CU	JSIP No. 05280R10	00	
1.	Names of Reporti	ing Persons	
	Paradigm BioCap	pital International Fund Ltd.	
2.	Check the Approp	priate Box if a Member of a Group (See Instructions)	
	(a) □ (b) ⊠		
3.	SEC Use Only		
4.	Citizenship or Pla	ace of Organization	
	Cayman Islands		
	JMBER OF	5. SOLE VOTING POWER	8,213,497
	IARES ENEFICIALLY	6. SHARED VOTING POWER	0
OV	WNED BY EACH	7. SOLE DISPOSITIVE POWER	8,213,497
	RSON WITH:	8. SHARED DISPOSITIVE POWER	0
9.	Aggregate Amou	nt Beneficially Owned by Each Reporting Person	
	8,213,497		
10.	. Check if the Aggr	regate Amount in Row (9) Excludes Certain Shares (See Instructions) \square	
11.	Percent of Class I	Represented by Amount in Row (9)	
	4.7%		

The information above is given as of the end of business on July 10, 2023, the filing date of this Schedule 13G.

12. Type of Reporting Person (See Instructions)

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Item 1.	
(a)	The name of the issuer is Autolus Therapeutics plc (the " <i>Issuer</i> ").
(b)	The principal executive offices of the Issuer are located at The Mediaworks, 191 Wood Lane, London W12 7FP, United Kingdom.
Item 2.	
(a)	This Schedule 13G is filed by the following (the "Reporting Persons"): (1) Paradigm BioCapital Advisors LP (the "Adviser"); (2) Paradigm BioCapital Advisors GP LLC (the "GP"); (3) Dr. Senai Asefaw, and (4) Paradigm BioCapital International Fund Ltd. (the "Fund"). The Fund is a private investment vehicle. The Fund and a separately managed account managed by the Adviser (the "Account") directly beneficially own the Ordinary Shares (as defined below) reported in this Statement. The Adviser is the investment manager of the Fund and the Account. The GP is the general partner of the Adviser. Dr. Senai Asefaw is the managing member of the GP. The Adviser, the GP and Dr. Asefaw may be deemed to beneficially own the Ordinary Shares directly beneficially owned by the Fund and the Account. Each Reporting Person disclaims beneficial ownership with respect to any Ordinary Shares other than the Ordinary Shares directly beneficially owned by such Reporting Person.
(b)	The principal business office of the Reporting Persons is 767 Third Avenue, 17 th Floor, New York, NY 10017.
(c)	For citizenship information see Item 4 of the cover page of each Reporting Person.
(d)	This statement relates to the ordinary shares, nominal value \$0.000042 per share, of the Issuer (the "Ordinary Shares").
(e)	The Ordinary Shares have no CUSIP number. The CUSIP number for the Issuer's American Depositary Shares, each representing one Ordinary Share, is 05280R100.
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) □ (b) □	Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o). Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).

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Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).

(f) \square An employee benefit plan or endowment fund in accordance with 240.13d-1(b)(1)(ii)(F);

An investment adviser in accordance with 240.13d-1(b)(1)(ii)(E);

Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).

(c) 🗆

(d) □ (e) □

 (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) □ A non-U.S. institution in accordance with §240.13d-1(b)(1)(ii)(J); (k) □ Group, in accordance with §240.13d-1(b)(1)(ii)(K).
(j) □ A non-U.S. institution in accordance with §240.13d-1(b)(1)(ii)(J);
If filing as a non-U.S. institution in accordance with §240.13d-1(b)(1)(ii)(J), please specify the type of institution:
Item 4. Ownership.
See Items 5-9 and 11 on the cover page for each Reporting Person, and Item 2, which information is given as of the close of business on July 10, 2023, the date of filing of this Schedule 13G.
As of the close of business on the Event Date of June 30, 2023, the Reporting Persons collectively beneficially owned 9,217,150 Ordinary Shares (7,377,649 of which were held by the Fund and 1,839,501 of which were held by the Account), representing 5.3% of all of the outstanding Ordinary Shares.
The percentages of beneficial ownership contained herein are based on 173,691,066 Ordinary Shares outstanding as of May 31, 2023, as reported in the Issuer's Form 6-K filed with the Securities and Exchange Commission on June 6, 2023.
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: \Box
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.
Not applicable.
Item 8. Identification and Classification of Members of the Group.
Not applicable.
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I	tem 9. Notice of Dissolution of Group.
ľ	Not applicable.
Ι	tem 10. Certification.
(a) Not applicable.

(b) Not applicable.

(c) 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.

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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.
Dated: July 10, 2023
Paradigm BioCapital Advisors LP Paradigm BioCapital Advisors GP LLC Paradigm BioCapital International Fund Ltd.
By: /s/ David K. Kim
Name: David K. Kim Title: Authorized Signatory
/s/ Dr. Senai Asefaw Dr. Senai Asefaw
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EXHIBIT INDEX

Exhibit No. Document

<u>1</u> <u>Joint Filing Agreement</u>

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Exhibit 1

JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, the persons named below agree to the joint filing on behalf of each of them of a statement on Schedule 13G (including amendments thereto) with respect to the ordinary shares, nominal value \$0.000042 per share, of Autolus Therapeutics plc, and further agree that this Joint Filing Agreement be included as an Exhibit to such joint filing. In evidence thereof, the undersigned hereby execute this Agreement.

Dated: July 10, 2023

Paradigm BioCapital Advisors LP Paradigm BioCapital Advisors GP LLC Paradigm BioCapital International Fund Ltd.

By: /s/ David K. Kim
Name: David K. Kim
Title: Authorized Signatory

/s/ Dr. Senai Asefaw

Dr. Senai Asefaw