

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

**FORM S-8**  
REGISTRATION STATEMENT UNDER THE  
SECURITIES ACT OF 1933

**CYCLERION THERAPEUTICS, INC.**  
(Exact name of registrant as specified in its charter)

**Massachusetts**  
(State or other jurisdiction of  
incorporation or organization)

**83-1895370**  
(I.R.S. Employer  
Identification No.)

**301 Binney Street**  
**Cambridge, Massachusetts**  
(Address of Principal Executive Offices)

**02142**  
(Zip Code)

**Cyclerion Therapeutics, Inc. 2019 Equity Incentive Plan**  
**Cyclerion Therapeutics, Inc. 2019 Employee Stock Purchase Plan**  
(Full title of the plan)

**William Huyett**  
**301 Binney Street**  
**Cambridge, Massachusetts 02142**  
(Name and address of agent for service)  
**(857) 327-8778**  
(Telephone number, including area code, of agent for service)

**Please send copies of all communications to:**

**Gary J. Simon, Esq.**  
**Hughes Hubbard & Reed LLP**  
**One Battery Park Plaza**  
**New York, NY 10004**

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of “large accelerated filer,” “accelerated filer,” “smaller reporting company” and “emerging growth company” in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Accelerated filer

Non-accelerated filer

Smaller reporting company

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

**CALCULATION OF REGISTRATION FEE**

Title of securities to be registered	Amount to be registered(1)	Proposed maximum offering price per share(2)	Proposed maximum aggregate offering price(2)	Amount of registration fee
Common Stock	1,440,298 (3)	\$7.06	\$10,161,302.39	\$1,318.94
Common Stock	360,075 (4)	\$7.06	\$2,540,329.13	\$329.73
TOTAL	1,800,373		\$12,701,631.52	\$1,648.67

(1) Pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the “Securities Act”), this Registration Statement also covers such additional shares of Common Stock as may be issued to prevent dilution resulting from stock splits, stock dividends and similar transactions.

(2) Pursuant to Rules 457(c) and 457(h)(1) under the Securities Act, the proposed maximum offering price per share and the maximum aggregate offering price for the shares have been calculated solely for the purpose of computing the registration fee on the basis of the average high and low prices of the Common Stock trading on a “when issued” basis as reported by the Nasdaq Global Select Market, which were \$7.39 and \$6.72, respectively on September 14, 2020.

- (3) Represents additional shares of Common Stock authorized for issuance under the Cycleron Therapeutics, Inc. 2019 Equity Incentive Plan.
  - (4) Represents additional shares of Common Stock authorized for issuance under the Cycleron Therapeutics, Inc. 2019 Employee Stock Purchase Plan.
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**REGISTRATION OF ADDITIONAL SECURITIES  
INCORPORATION OF EARLIER REGISTRATION STATEMENT BY REFERENCE**

This Registration Statement (the “Registration Statement”) is being filed by Cycleron Therapeutics, Inc. (the “Company”) to register “Additional Shares”, consisting of an additional 1,440,298 shares of Common Stock of the Company issuable under the Company’s 2019 Equity Incentive Plan (the “2019 Incentive Plan”) and an additional 360,075 shares of Common Stock of the Company issuable under the Company’s 2019 Employee Stock Purchase Plan (the “2019 ESPP” and together with the 2019 Incentive Plan, the “Plans”). The Additional Shares are in addition to the Common Stock previously registered for issuance in respect of the Plans on the Company’s Registration Statement on [Form S-8 \(File No. 333-230615\), filed with the Securities and Exchange Commission \(the “SEC”\) on March 29, 2019](#) (the “Prior Registration Statement”).

This Registration Statement relates to securities of the same class as that to which the Prior Registration Statement relates, and is submitted in accordance with General Instruction E to Form S-8 regarding registration of additional securities. Pursuant to such instruction, the contents of the Prior Registration Statement are incorporated by reference and made part of this Registration Statement, except to the extent otherwise updated or modified by this Registration Statement.

**PART II  
INFORMATION REQUIRED IN THE REGISTRATION STATEMENT**

**Item 3. Incorporation of Documents by Reference.**

The following documents filed by Cycleron Therapeutics, Inc. (the “Registrant”) with the SEC are incorporated herein by reference (excluding any portions of such documents that have been “furnished” but not “filed” for purposes of the Securities Exchange Act of 1934, as amended (the “Exchange Act”)):

- (1) [The Registrant’s Annual Report on Form 10-K for the year ended December 31, 2019, filed with the SEC on March 12, 2020;](#)
- (2) The Registrant’s Quarterly Reports on Form 10-Q for the quarters ended March 31 and June 30, 2020, filed with the SEC on [May 4](#) and [August 3, 2020](#), respectively;
- (3) The Registrant’s Current Reports on Form 8-K filed with the SEC on [March 5, 2020](#), [April 14, 2020](#) (only with respect to Item 8.01 thereof), [June 18, 2020](#) (only with respect to Item 5.07 thereof) and [September 3, 2020](#); and
- (4) The description of the Registrant’s Common Stock contained in the Information Statement filed with the SEC as Exhibit 99.1 to the Registrant’s [Form 10 \(File No. 001-38787\)](#), including any amendments or reports filed for the purpose of updating such description.

All documents subsequently filed by the Registrant pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act prior to the filing of a post-effective amendment to this Registration Statement that indicates that all securities offered have been sold or which deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference herein from the date of filing of such documents. In no event, however, will any information that the Registrant discloses under Item 2.02 or 7.01 of any Current Report on Form 8-K that the Registrant may from time to time furnish to the SEC, or any other information that is not deemed “filed” with the SEC, be incorporated by reference into, or otherwise become part of, this Registration Statement.

Any statement contained herein or in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for the purposes of this Registration Statement to the extent that a statement contained herein or in any subsequently filed document that also is or is deemed to be incorporated by reference herein modifies or supersedes such earlier statement. Any statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute part of this Registration Statement.

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**Item 8. Exhibits.**

<b>Exhibit Number</b>	<b>Description</b>
<a href="#"><u>3.1</u></a>	<a href="#"><u>Restated Articles of Organization of Cycleron Therapeutics, Inc. (incorporated by reference to Exhibit 4.1 to Registration Statement on Form S-8 filed on March 29, 2019) (File No. 333-230615).</u></a>
<a href="#"><u>3.2</u></a>	<a href="#"><u>Amended and Restated Bylaws of Cycleron Therapeutics, Inc. (incorporated by reference to Exhibit 4.2 to Registration Statement on Form S-8 filed on March 29, 2019) (File No. 333-230615).</u></a>
<a href="#"><u>3.3</u></a>	<a href="#"><u>Cycleron Therapeutics, Inc. 2019 Employee Stock Purchase Plan (incorporated by reference to Exhibit 4.3 to Registration Statement on Form S-8 filed on March 29, 2019) (File No. 333-230615).</u></a>
<a href="#"><u>3.4</u></a>	<a href="#"><u>Cycleron Therapeutics, Inc. 2019 Equity Incentive Plan (incorporated by reference to Exhibit 4.4 to Registration Statement on Form S-8 filed on March 29, 2019) (File No. 333-230615).</u></a>
<a href="#"><u>5.1</u></a>	<a href="#"><u>Opinion of Foley Hoag LLP (filed herewith)</u></a>
<a href="#"><u>23.1</u></a>	<a href="#"><u>Consent of Ernst &amp; Young, LLP (filed herewith)</u></a>
<a href="#"><u>23.2</u></a>	<a href="#"><u>Consent of Foley Hoag LLP (included in the opinion filed as Exhibit 5.1).</u></a>
<a href="#"><u>24.1</u></a>	<a href="#"><u>Power of Attorney (included in the signature page to this Registration Statement).</u></a>

**SIGNATURES**

Pursuant to the requirements of the Securities Act, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in Cambridge, Massachusetts, on the 21st day of September, 2020.

**CYCLERION THERAPEUTICS, INC.**

By: /s/ William I. Huyett

Name: William I. Huyett

Title: Chief Financial Officer

## POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Peter M. Hecht and William Huyett, jointly and severally, as their true and lawful attorney-in-fact and agent, with full power of substitution and re-substitution, for them and in their name, place and stead, in any and all capacities, to execute any or all amendments including any post-effective amendments and supplements to this Registration Statement on Form S-8 of Cycleron Therapeutics, Inc., and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorney-in-fact and agent full power and authority to do and perform each and every act and thing requisite and necessary to be done, as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that said attorney-in-fact and agent, or his or her substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed by the following persons in the capacities and on the dates indicated:

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ PETER M. HECHT</u> Peter M. Hecht	Chief Executive Officer (Principal Executive Officer)	September 21, 2020
<u>/s/ WILLIAM I. HUYETT</u> William I. Huyett	Chief Financial Officer (Principal Financial Officer and Principal Accounting Officer)	September 21, 2020
<u>/s/ KEVIN CHURCHWELL</u> Kevin Churchwell	Director	September 21, 2020
<u>/s/ GEORGE CONRADES</u> George Conrades	Director	September 21, 2020
<u>/s/ MARSHA FANUCCI</u> Marsha Fanucci	Director	September 21, 2020
<u>/s/ OLE ISACSON</u> Ole Isacson	Director	September 21, 2020
<u>/s/ TERRANCE MCGUIRE</u> Terrance McGuire	Director	September 21, 2020
<u>/s/ MICHAEL MENDELSON</u> Michael Mendelsohn	Director	September 21, 2020
<u>/s/ AMY SCHULMAN</u> Amy Schulman	Director	September 21, 2020

Seaport West  
155 Seaport Boulevard  
Boston, MA 02210-2600

617 832 1000 *main*  
617 832 7000 *fax*

September 21, 2020

Cyclerion Therapeutics, Inc.  
301 Binney Street  
Cambridge, Massachusetts 02142

Re: Registration Statement on Form S-8

Ladies and Gentlemen:

We have acted as special Massachusetts counsel to Cyclerion Therapeutics, Inc., a Massachusetts corporation (the “**Company**”), in connection with its filing with the Securities and Exchange Commission (the “**Commission**”) under the Securities Act of 1933, as amended (the “**Securities Act**”), of a registration statement on Form S-8 on the date hereof (the “**Registration Statement**”).

The Registration Statement relates to the offer and sale by the Company of up to 1,440,298 shares (the “**2019 Incentive Plan Shares**”) of the Company’s common stock, no par value per share (“**Common Stock**”), issuable under the Company’s 2019 Equity Incentive Plan (the “**2019 Incentive Plan**”) and up to 360,075 shares (together with the 2019 Incentive Plan Shares, the “**Shares**”) of Common Stock issuable under the Company’s 2019 Employee Stock Purchase Plan (the “**2019 ESPP**”).

We have examined such matters of fact and questions of law as we have considered appropriate for purposes of this letter. We have relied upon certificates and other assurances of officers of the Company and others as to factual matters without having independently verified such factual matters. In our examination, we have assumed the genuineness of all signatures, the authenticity of all documents submitted to us as originals and the conformity to authentic original documents of all documents submitted to us as copies.

The opinions expressed below are limited to the internal laws of the Commonwealth of Massachusetts.

Subject to the foregoing and the other matters set forth herein, it is our opinion that, as of the date hereof, when the Shares are issued against the Company’s receipt of the consideration therefor in accordance with the terms of the 2019 Incentive Plan or the 2019 ESPP, as applicable, and the awards thereunder, the Shares will be validly issued, fully paid and non-assessable.

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This opinion is to be relied upon only in connection with the offer and sale of the Shares while the Registration Statement and any and all required post-effective amendments are effective.

This opinion is being delivered solely for the benefit of the Company and such other persons as are entitled to rely upon it pursuant to applicable provisions of the Securities Act. This opinion may not be used, quoted, relied upon or referred to for any other purpose, nor may this opinion be used, quoted, relied upon or referred to by any other person, for any purpose, in each case without our prior written consent.

We consent to your filing this opinion as an exhibit to the Registration Statement. In giving such consent, we do not thereby admit that we are in the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Commission thereunder.

Very truly yours,

FOLEY HOAG LLP

By: /s/ John D. Hancock  
a Partner

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Consent of Independent Registered Public Accounting Firm

We consent to the incorporation by reference in the Registration Statement (Form S-8) pertaining to the 2019 Employee Stock Purchase Plan and 2019 Equity Incentive Plan of Cycleron Therapeutics, Inc. of our report dated March 12, 2020, with respect to the consolidated and combined financial statements of Cycleron Therapeutics, Inc. included in its Annual Report (Form 10-K) for the year ended December 31, 2019, filed with the Securities and Exchange Commission.

*/s/ Ernst & Young LLP*

Boston, Massachusetts

September 21, 2020

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