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

SCHEDULE 14A

Proxy Statement Pursuant to Section 14(a) of the
Securities Exchange Act of 1934

Filed by the Registrant ☒
Filed by a Party other than the Registrant ☐
Check the appropriate box:

☐ Preliminary Proxy Statement
☐ Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2))
☐ Definitive Proxy Statement
☒ Definitive Additional Materials
☐ Soliciting Material Pursuant to §240.14a-12

Decoy Therapeutics Inc.

(Name of Registrant as Specified in its Charter)
(Name of Person(s) Filing Proxy Statement, if other than the Registrant)

Payment of Filing Fee (Check the appropriate box):

☒ No fee required.

☐ Fee paid previously with preliminary materials.
☐ Fee computed on table in exhibit required by Item 25(b) per Exchange Act Rules 14a-6(i)(1) and 0-11.

(1) Amount Previously Paid:

(2) Form, Schedule or Registration Statement No.:

(3) Filing Party:

(4) Date Filed:

Your **Vote** Counts!

DECOY THERAPEUTICS INC.

2026 Special Meeting

Vote by September 13, 2026

11:59 PM ET

GENERAL BROKER

Herione, Inc.
P.O. Box 9142
Farmingdale, NY 11735

1 OF 2
322,224
148,294

Ricky Campana
P.O. Box 123456
Suite 500
51 Mercedes Way
Edgewood, NY 11717

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FLASHID-JOB#

You invested in DECOY THERAPEUTICS INC. and it's time to vote!

You have the right to vote on proposals being presented at the Special Meeting. **This is an important notice regarding the availability of proxy material for the shareholder meeting to be held on September 14, 2026.**

Get informed before you vote

View the Proxy Statement online OR you can receive a free paper or email copy of the material(s) by requesting prior to August 31, 2026. If you would like to request a copy of the material(s) for this and/or future shareholder meetings, you may (1) visit www.ProxyVote.com, (2) call 1-800-579-1639 or (3) send an email to sendmaterial@proxyvote.com. If sending an email, please include your control number (indicated below) in the subject line. Unless requested, you will not otherwise receive a paper or email copy.

For complete information and to vote, visit **www.ProxyVote.com**

Control # XXXX XXXX XXXX XXXX

Smartphone users

Point your camera here and vote without entering a control number

Vote in Person at the Meeting*

September 14, 2026
4:00 PM EST

Special Meeting to be held virtually:
To attend, you must register as a Beneficial Holder at the below URL:
https://web.viewproxy.com/DCOY2026SM2

*If you choose to vote these shares in person at the meeting, you must request a "legal proxy." To do so, please follow the instructions at www.ProxyVote.com or request a paper copy of the materials, which will contain the appropriate instructions. Please check the meeting materials for any special requirements for meeting attendance.

Vote at www.ProxyVote.com

Control # XXXX XXXX XXXX XXXX

THIS IS NOT A VOTABLE BALLOT

This is an overview of the proposals being presented at the upcoming shareholder meeting. Please follow the instructions on the reverse side to vote these important matters.

DECOY THERAPEUTICS INC.
2026 Special Meeting
Vote by September 13, 2026
11:59 PM ET

	Voting Items	Board Recommends
1	The Warrant Exercise Proposal To approve, for purposes of Nasdaq Listing Rules 5635(b) and 5635(d), the issuance of shares of the Company's common stock, par value $0.0001 per share (the Common Stock), upon the exercise of the Series A common warrants, Series B common warrants and Series C common warrants (collectively, the Milestone Warrants) issued in the private placement described in the accompanying proxy statement, including the issuance of shares of Common Stock equal to 20% or more of the shares of Common Stock outstanding immediately prior to the issuance of such Milestone Warrants(Proposal 1 or the Warrant Exercise Proposal).	For
2	To approve an amendment to our Certificate of Incorporation to reduce the number of authorized shares of Common Stock by 10,000,000 to 90,000,000 (Proposal 2 or the Authorized Share Proposal).	For
3	To approve the adjournment of the Special Meeting to a later date or dates, if necessary or appropriate, to solicit additional proxies if there are insufficient votes at the time of the Special Meeting to approve the Warrant Exercise Proposal or the Authorized Share Proposal (Proposal 3 or the Adjournment Proposal).	For

NOTE: Such other business as may properly come before the meeting, and any adjournment or postponement thereof.

Under New York Stock Exchange rules, brokers may vote "routine" matters at their discretion if your voting instructions are not communicated to us at least 10 days before the meeting. **We will nevertheless follow your instructions, even if the broker's discretionary vote has already been given, provided your instructions are received prior to the meeting date.**

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322,224
148,294

FLASHID-JOB#

DECOY therapeutics

NAME & ADDRESS HERE

Important Notice Regarding the Internet Availability of Proxy Materials for the Special Meeting of Stockholders to be held virtually on September 14, 2026 at 3:00 p.m. CT.

This communication is not a form of voting and presents only an overview of the more complete proxy materials that are available to you on the Internet. We encourage you to access and review all of the important information contained in the proxy materials before voting.

The Proxy Statement is available at https://web.viewproxy.com/DCOY2026SM2

If you want to receive a paper or email copy of these documents, you must request one by following the instructions on the reverse side of this Notice on or before September 2, 2026 to facilitate timely delivery. There is no charge to you for requesting a copy.

Important information regarding the Internet availability of the Company's proxy materials, instructions for accessing your proxy materials and voting online, and instructions for requesting paper or e-mail copies of your proxy materials are outlined in this Notice.

You must use the 11-digit Control Number located in the box to attend the Special Meeting virtually, to vote via Internet, or to request proxy materials.

CONTROL NUMBER

STOCKHOLDERS ARE CORDIALLY INVITED TO ATTEND THE SPECIAL MEETING.

To the Stockholders of Decoy Therapeutics Inc.:

The 2026 Special Meeting of Stockholders of Decoy Therapeutics Inc. will be held virtually on September 14, 2026 at 3:00 p.m. CT.

As a Registered Holder, you may attend and vote your shares at the virtual Special Meeting by registering at https://web.viewproxy.com/DCOY2026SM2 and using the Control Number above. **Your registration must be received by 11:59 p.m. CT on September 13, 2026.** On the day of the Special Meeting, if you have properly registered, you may log in using the password you received via email in your registration confirmation and follow the instructions to vote your shares. Please have your Control Number with you during the Special Meeting in order to vote. Further instructions on how to attend and vote during the Special Meeting are contained in the Proxy Statement in the section titled *"Questions and Answers About These Proxy Materials and Voting – How can I attend the Special Meeting?"* and *"Questions and Answers About These Proxy Materials and Voting – How do I vote?"*

The Board recommends a vote "FOR" Proposals 1, 2, and 3.

1. The Warrant Exercise Proposal – To approve, for purposes of Nasdaq Listing Rules 5635(b) and 5635(d), the issuance of shares of the Company's common stock, par value $0.0001 per share (the "***Common Stock***"), upon the exercise of the Series A common warrants, Series B common warrants and Series C common warrants (collectively, the "***Milestone Warrants***") issued in the private placement described in the accompanying proxy statement, including the issuance of shares of Common Stock equal to 20% or more of the shares of Common Stock outstanding immediately prior to the issuance of such Milestone Warrants ("***Proposal 1***" or the "***Warrant Exercise Proposal***").

2. To approve an amendment to our Certificate of Incorporation to reduce the number of authorized shares of Common Stock by 10,000,000 to 90,000,000 ("***Proposal 2***" or the "***Authorized Share Proposal***").

3. To approve the adjournment of the Special Meeting to a later date or dates, if necessary or appropriate, to solicit additional proxies if there are insufficient votes at the time of the Special Meeting to approve the Warrant Exercise Proposal or the Authorized Share Proposal ("***Proposal 3***" or the "***Adjournment Proposal***").

NOTE: To conduct any other business properly brought before the Special Meeting or any adjournment, postponement, or rescheduling thereof.

The Securities and Exchange Commission rules permit us to make our proxy materials available to our stockholders via the Internet.

Materials for this Special Meeting and future meetings may be requested by one of the following methods:

Internet

Go to https://web.viewproxy.com/DCOY2026SM2.
Have the 11-digit Control Number available when you access the website and follow the instructions.

Telephone

Call 1-877-777-2857 Toll Free

E-Mail

By e-mail at: requests@viewproxy.com

* If requesting material by e-mail, please send a blank e-mail with the company name and your 11-digit Control Number in the subject line.
No other requests, instructions, or other inquiries should be included within this email request.

CONTROL NUMBER

VOTING METHODS

Via Internet prior to the Special Meeting:

Go to http://www.AALvote.com/DCOYSM2.

Have your 11-digit Control Number available and follow the prompts.

- Your electronic vote prior to the Special Meeting authorizes the named proxies to vote your shares in the same manner as if you marked, signed, dated, and returned a proxy card.

Via Internet during the Special Meeting:

Go to www.AALvote.com/DCOYSM2

Have your 11-digit Control Number available and follow the prompts.

Via Mail:

Request a paper copy of the materials following the instructions above, which includes a proxy card. Follow the instructions on the proxy card for voting by mail.

Via Telephone prior to the Special Meeting:

Call 1-866-804-9616

Use any touch-tone telephone to vote your proxy. Have your 11-digit Control Number available.

Follow the voting instructions to vote your shares.

DECOY therapeutics