Registration No. 333-

UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549

FORM S-8

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

IVERIC bio, Inc.

(Exact Name of Registrant as Specified in Its Charter)

Delaware

(State or Other Jurisdiction of Incorporation or Organization)

8 Sylvan Way Parsippany, New Jersey (Address of Principal Executive Offices) **20-8185347** (I.R.S. Employer Identification No.)

> **07054** (Zip Code)

2013 Stock Incentive Plan 2019 Inducement Stock Incentive Plan (Full Title of the Plan)

Glenn P. Sblendorio Chief Executive Officer IVERIC bio, Inc. 8 Sylvan Way Parsippany, New Jersey 07054 (Name and Address of Agent for Service)

(212) 845-8200

(Telephone Number, Including Area Code, of Agent For Service)NegativeTh

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 \Box

Non-accelerated filer \boxtimes

Accelerated filer \Box Smaller reporting company \boxtimes Emerging growth company \Box

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. \Box

EXPLANATORY NOTE

This Registration Statement on Form S-8, relating to the 2013 Stock Incentive Plan and the 2019 Inducement Stock Incentive Plan of IVERIC bio, Inc. (the "Registrant"), is being filed for the purpose of registering additional securities of the same class as other securities for which a Registration Statement on Form S-8 has previously been filed and is effective. Accordingly, this Registration Statement hereby incorporates by reference the contents of (i) the Registration Statement on Form S-8, File No. 333-191767, filed with the Securities and Exchange Commission on October 16, 2013 by the Registrant, relating to the Registrant's Amended and Restated 2007 Stock Incentive Plan, as amended, and 2013 Stock Incentive Plan; (ii) the Registration Statement on Form S-8, File No. 333-193694, filed with the Securities and Exchange Commission on January 31, 2014 by the Registrant, relating to the Registrant's 2013 Stock Incentive Plan; (iii) the Registration Statement on Form S-8, File No. 333-202438, filed with the Securities and Exchange Commission on March 2, 2015 by the Registrant, relating to the Registrant's 2013 Stock Incentive Plan and certain inducement grants; (iv) the Registration Statement on Form S-8, File No. 333-208893, filed with the Securities and Exchange Commission on January 6, 2016 by the Registrant, relating to the Registrant's 2013 Stock Incentive Plan and certain inducement grants; (v) the Registration Statement on Form S-8, File No. 333-219656, filed with the Securities and Exchange Commission on August 3, 2017 by the Registrant, relating to the Registrant's 2013 Stock Incentive Plan; (vi) the Registration Statement on Form S-8, File No. 333-223537, filed with the Securities and Exchange Commission on March 9, 2018 by the Registrant, relating to the Registrant's 2013 Stock Incentive Plan; (vii) the Registration Statement on Form S-8, File No. 333-229982, filed with the Securities and Exchange Commission on March 1, 2019 by the Registrant, relating to the Registrant's 2013 Stock Incentive Plan; (viii) the Registration Statement on Form S-8, File No. 333-236720, filed with the Securities and Exchange Commission on February 27, 2020, relating to the Registrant's 2013 Stock Incentive Plan; (ix) the Registration Statement on Form S-8, File No. 333-253896, filed with the Securities and Exchange Commission on March 5, 2021, relating to the Registrant's 2013 Stock Incentive Plan; (x) the Registration Statement on Form S-8, File No. 333-234404, filed with the Securities and Exchange Commission on October 31, 2019, relating to the Registrant's 2019 Inducement Stock Incentive Plan; (xi) the Registration Statement on Form S-8, File No. 333-238065, filed with the Securities and Exchange Commission on May 7, 2020, relating to the Registrant's 2019 Inducement Stock Incentive Plan; (xii) the Registration Statement on Form S-8, File No. 333-253896, filed with the Securities and Exchange Commission on March 5, 2021, relating to the Registrant's 2019 Inducement Stock Incentive Plan; and (xiii) the Registration Statement on Form S-8, File No. 333-260917, filed with the Securities and Exchange Commission on November 9, 2021, relating to the Registrant's 2019 Inducement Stock Incentive Plan, in each case except for Item 8, Exhibits, with respect to which the Exhibit Index immediately preceding the exhibits attached hereto is incorporated herein by reference.

PART II

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

Item 8. Exhibits.

| Number | Description |
|--------------|--|
| 4.1 | Restated Certificate of Incorporation of the Registrant, as amended on April 16, 2019 (incorporated by reference to Exhibit 3.1 of the Registrant's Annual Report on Form 10-K, filed with the Commission on March 4, 2021 (File No. 001-36080)) |
| 4.2 | Amended and Restated Bylaws of the Registrant (incorporated by reference to Exhibit 3.4 of the Registrant's Registration Statement on Form S-1, as amended, filed with the Commission on September 9, 2013 (File No. 333-190643)) |
| 5.1* | Opinion of Wilmer Cutler Pickering Hale and Dorr LLP, counsel to the Registrant |
| <u>23.1*</u> | Consent of Ernst & Young LLP, independent registered public accounting firm |
| <u>23.2*</u> | Consent of Wilmer Cutler Pickering Hale and Dorr LLP (included in Exhibit 5.1) |
| <u>24.1*</u> | Power of Attorney (included on the signature pages of this Registration Statement) |
| <u>99.1</u> | 2013 Stock Incentive Plan (incorporated by reference to Exhibit 10.4 of the Registrant's Report on Form 10-K, filed with the Commission on March 2, 2015 (File No. 001-36080)) |
| <u>99.2</u> | Amendment No. 1 to 2013 Stock Incentive Plan (incorporated by reference to Exhibit 10.1 of the Registrant's Quarterly Report on Form 10-Q, filed with the Commission on August 10, 2015 (File No. 001-36080)) |
| <u>99.3</u> | 2019 Inducement Stock Incentive Plan (incorporated by reference to Exhibit 10.10 of the Registrant's Report on Form 10-K, filed with the Commission on February 27, 2020 (File No. 001-36080)) |
| <u>99.4</u> | Amendment No. 1 to 2019 Inducement Stock Incentive Plan (incorporated by reference to Exhibit 10.1 of the Registrant's Quarterly Report on Form 10-Q, filed with the Commission on May 7, 2020 (File No. 001-36080)) |
| <u>99.5</u> | Amendment No. 2 to 2019 Inducement Stock Incentive Plan (incorporated by reference to Exhibit 10.12 of the Registrant's Annual Report on Form 10-K, filed with the Commission on March 4, 2021 (File No. 001-36080)) |
| <u>99.6</u> | Amendment No. 3 to 2019 Inducement Stock Incentive Plan(incorporated by reference to Exhibit 10.3 of the Registrant's Quarterly Report on Form 10-Q, filed with the Commission on November 9, 2021 (File No. 001-36080)) |
| <u>99.7*</u> | Amendment No. 4 to the 2019 Inducement Stock Incentive Plan |
| <u>107*</u> | Calculation of Filing Fee Tables |
| | |

* Filed herewith

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, 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 the City of New York, State of New York, on this 24th day of February, 2022.

| IVERIC b | io, Inc |
|----------|---------|
|----------|---------|

By: /s/ Glenn P. Sblendorio

Glenn P. Sblendorio

Chief Executive Officer

POWER OF ATTORNEY AND SIGNATURES

We, the undersigned officers and directors of IVERIC bio, Inc., hereby severally constitute and appoint Glenn P. Sblendorio, David F. Carroll and Todd D.C. Anderman, and each of them singly, our true and lawful attorneys with full power to them, and each of them singly, to sign for us and in our names in the capacities indicated below, the Registration Statement on Form S-8 filed herewith and any and all subsequent amendments to said Registration Statement, and generally to do all such things in our names and on our behalf in our capacities as officers and directors to enable IVERIC bio, Inc. to comply with the provisions of the Securities Act of 1933, as amended, and all requirements of the Securities and Exchange Commission, hereby ratifying and confirming our signatures as they may be signed by our said attorneys, or any of them, to said Registration Statement and any and all amendments thereto.

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.

| Signature | Title | Date | | |
|---------------------------|--|-------------------|--|--|
| /s/ Glenn P. Sblendorio | Chief Executive Officer and Director (principal executive | February 24, 2022 | | |
| Glenn P. Sblendorio | officer) | - | | |
| /s/ David F. Carroll | Senior Vice President, Chief Financial Officer and Treasurer | February 24, 2022 | | |
| David F. Carroll | (principal financial and accounting officer) | | | |
| /s/ Adrienne L. Graves | Chairman of the Board of Directors | February 24, 2022 | | |
| Adrienne L. Graves, Ph.D. | | E | | |
| /s/ Mark S. Blumenkranz | Director | February 24, 2022 | | |
| Mark S. Blumenkranz, M.D. | | | | |
| /s/ Axel Bolte | Director | February 24, 2022 | | |
| Axel Bolte | | | | |
| /s/ Jane P. Henderson | Director | February 24, 2022 | | |
| Jane P. Henderson | | | | |
| /s/ Christine Miller | Director | February 24, 2022 | | |
| Christine Miller | | | | |
| /s/ Calvin W. Roberts | Director | February 24, 2022 | | |
| Calvin W. Roberts, M.D. | | | | |
| | | | | |

Exhibit 5.1

WILMERHALE

+1 212 230 8800 (t) +1 212 230 8888 (f) wilmerhale.com

February 24, 2022 IVERIC bio, Inc. 8 Sylvan Way Parsippany, New Jersey 07054

> Re: IVERIC bio, Inc. Registration Statement on Form S-8 2013 Stock Incentive Plan 2019 Inducement Stock Incentive Plan

Ladies and Gentlemen:

We have assisted in the preparation of a Registration Statement on Form S-8 (the "Registration Statement") to be filed with the Securities and Exchange Commission (the "Commission") under the Securities Act of 1933, as amended (the "Securities Act"), relating to an aggregate of 3,542,372 shares of common stock, \$0.001 par value per share (the "Shares"), of IVERIC bio, Inc., a Delaware corporation (the "Company"), consisting of (i) 2,542,372 shares of Common Stock issuable under the Company's 2013 Stock Incentive Plan, as amended by Amendment No. 1 to the 2013 Stock Incentive Plan (as amended, the "2013 Plan") and (ii) 1,000,000 shares of Common Stock issuable under the Company Stock Incentive Plan, as amended by Amendment No. 1, Amendment No. 2, Amendment No. 3 and Amendment No. 4 to the 2019 Inducement Stock Incentive Plan (together with the 2013 Plan, the "Plans").

We have examined the Certificate of Incorporation and Bylaws of the Company, each as amended and/or restated to date, and originals, or copies certified to our satisfaction, of all pertinent records of the meetings of the directors and stockholders of the Company, the Registration Statement and such other documents relating to the Company as we have deemed material for the purposes of this opinion.

In our examination of the foregoing documents, we have assumed the genuineness of all signatures, the authenticity of all documents submitted to us as originals, the conformity to original documents of all documents submitted to us as certified, photostatic or other copies, the authenticity of the originals of any such documents and the legal competence of all signatories to such documents.

We assume that the appropriate action will be taken, prior to the offer and sale of the Shares in accordance with the Plans, to register and qualify the Shares for sale under all applicable state securities or "blue sky" laws.

We express no opinion herein as to the laws of any state or jurisdiction other than the General Corporation Law of the State of Delaware and the federal laws of the United States of America.

Wilmer Cutler Pickering Hale and Dorr LLP, 7 World Trade Center, 250 Greenwich Street, New York, New York 10007 Beijing Berlin Boston Brussels Denver Frankfurt London Los Angeles New York Palo Alto San Francisco Washington It is understood that this opinion is to be used only in connection with the offer and sale of the Shares while the Registration Statement is in effect.

Please note that we are opining only as to the matters expressly set forth herein, and no opinion should be inferred as to any other matters.

Based on the foregoing, we are of the opinion that the Shares have been duly authorized for issuance and, when the Shares are issued and paid for in accordance with the terms and conditions of the Plans, the Shares will be validly issued, fully paid and nonassessable.

We hereby consent to the filing of this opinion with the Commission in connection with the Registration Statement in accordance with the requirements of Item 601(b)(5) of Regulation S-K under the Securities Act. In giving such consent, we do not hereby 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.

Very truly yours,

WILMER CUTLER PICKERING HALE AND DORR LLP

By: /s/ Brian A. Johnson

Brian A. Johnson, Partner

Consent of Independent Registered Public Accounting Firm

We consent to the incorporation by reference in the Registration Statement (Form S-8) pertaining to the 2013 Stock Incentive Plan and the 2019 Inducement Stock Incentive Plan of IVERIC bio, Inc., of our reports dated February 24, 2022, with respect to the consolidated financial statements of IVERIC bio, Inc. and the effectiveness of internal control over financial reporting of IVERIC bio, Inc. included in its Annual Report (Form 10-K) for the year ended December 31, 2021, filed with the Securities and Exchange Commission.

/s/ Ernst & Young LLP Iselin, New Jersey February 24, 2022

Amendment No. 4 to 2019 Inducement Stock Incentive Plan

AMENDMENT NO. 4 TO

2019 INDUCEMENT STOCK INCENTIVE PLAN

OF

IVERIC BIO, INC.

The 2019 Inducement Stock Incentive Plan (the "Plan") of IVERIC bio, Inc. (the "Company") is hereby amended as follows (all capitalized terms used and not defined herein shall have the respective meanings ascribed to such terms in the Plan):

1. Section 4(a)(1) of the Plan be and hereby is deleted in its entirety and the following is inserted in lieu thereof:

(1) <u>Authorized Number of Shares</u>. Subject to adjustment under Section 9, Awards may be made under the Plan for up to 4,600,000 shares of common stock, \$0.001 par value per share, of the Company (the "Common Stock"). Shares issued under the Plan may consist in whole or in part of authorized but unissued shares or treasury shares.

3. Except as set forth herein, the Plan shall remain in full force and effect.

* * *

Approved by the Board of Directors on December 2, 2021.

Calculation of Filing Fee Tables

Form S-8 (Form Type) IVERIC bio, Inc. (Exact Name of Registrant as Specified in its Charter)

Table 1—Newly Registered Securities

| Security Type | Security Class Title | Fee Calculation Rule | Amount Registered (1) | (| Proposed Maximum Offering Price Per Unit | (| Maximum Aggregate Offering Price | Fee Rate | mount of stration Fee |
|-------------------------------|-------------------------|-------------------------|--------------------------|----|---|----|--|-----------------|--------------------------|
| Equity | Common | | | | | | | | |
| | Stock, \$0.001 | | | | | | | | |
| | par value per | | 3,542,372 | | | | | \$92.70 | |
| | share | Other | shares (2) | \$ | 14.41(3) | \$ | 51,045,580.52(3) | per \$1,000,000 | \$ 4,732.00 |
| Total Offering Amounts | | | | | | \$ | 51,045,580.52 | | \$ 4,732.00 |
| Total Fee Offsets | | | | | | | | | \$ 0.00 |
| Net Fee Due | | | | | | | | | \$ 4,732.00 |

- (1) In accordance with Rule 416 under the Securities Act of 1933, as amended, this registration statement shall be deemed to cover any additional securities that may from time to time be offered or issued to prevent dilution resulting from stock splits, stock dividends or similar transactions.
- (2) Represents (i) 2,542,372 additional shares of the Registrant's Common Stock available under the Registrant's 2013 Stock Incentive Plan as a result of an annual increase, pursuant to such plan's evergreen provision and (ii) 1,000,000 additional shares of the Registrant's Common Stock available under the Registrant's 2019 Inducement Stock Incentive Plan as a result of an increase approved by the Registrant's board of directors.
- (3) Estimated solely for the purpose of calculating the registration fee in accordance with Rule 457(c) and 457(h) of the Securities Act of 1933, as amended. The price per share and aggregate offering price are calculated on the basis of \$14.41, the average of the high and low sales prices of the Registrant's Common Stock as reported on The Nasdaq Global Select Market on February 23, 2022 in accordance with Rule 457(c) of the Securities Act of 1933, as amended.