NOTICE OF INTERNET AVAILABILITY OF PROXY MATERIALS

The Annual Meeting of Stockholders of Hillstream BioPharma, Inc. will be held on October 23, 2023, at 9:00 a.m. EST at 245 Main Street, Suite 245, Chester, NJ 07930

PROXY STATEMENT AND 2022 ANNUAL REPORT ON FORM 10-K ARE AVAILABLE AT:

www.annualgeneralmeetings.com/hils2023

Dear Stockholder:

The Annual Meeting of Stockholders of Hillstream BioPharma, Inc. (the "Company") has been called to consider and act upon the following matters:

- 1. Election of five directors.
- 2. Ratification of Rosenberg Rich Baker Berman P.A. as the Company's independent registered public accounting firm for the fiscal year ending December 31, 2023.
- 3. Approval of the Hillstream BioPharma, Inc. 2023 Omnibus Equity Incentive Plan.
- 4. To grant discretionary authority to the Company's Board of Directors to (A) amend the Company's Certificate of Incorporation, as amended, to effect one or more consolidations of the issued and outstanding shares of common stock of the Company pursuant to which the shares of common stock would be combined and reclassified into one share of common stock at a ratio within the range from 1-for-2 up to 1-for-50 (the "Reverse Stock Split") and (B) arrange for the disposition of fractional interests by stockholders entitled thereto by entitling such stockholders to receive from the Company's transfer agent, in lieu of any fractional share, the number of shares of common stock rounded up to the next whole number, provided that, (X) that the Company shall not effect Reverse Stock Splits that, in the aggregate, exceed 1-for-50, and (Y) any Reverse Stock Split is completed no later than October 23, 2024.

Our Board of Directors recommends a vote "FOR" all director nominees listed in proposal 1 and "FOR" proposals 2, 3 and 4.

You are receiving this communication because you hold shares in the company named above. Complete proxy materials, including the proxy card, which are available to you on-line at www.annualgeneralmeetings.com/hils2023 or upon your request by e-mail or first-class mail. We encourage you to access and review all of the important information contained in the proxy materials before voting.

This is not a ballot. You cannot use this notice to vote your shares. You may vote on-line, by mail or in person. If you wish to vote on-line, you will need your "Control Number" (which can be found in the bottom right hand corner of this notice) and the web address, all of which will be included with or on the proxy card located on the Internet website stated above or mailed to you at your request. No other personal information will be required in order to vote in this manner. If you wish to vote by mail, simply print out the proxy card located on the Internet website stated above, mark the proxy card accordingly, sign and return it to us at the address indicated on the proxy card. If you wish to vote in person at the Annual Meeting of Stockholders, simply check the box on the proxy card that you plan to attend. Your proxy card will not be used if you vote in person. Please check the meeting materials for any special requirements for meeting attendance and how to obtain directions to the meeting.

«Proxy #» Control Number: «Control #»

Important Notice Regarding the Availability of Proxy Materials

for the Annual Stockholder Meeting To Be Held on October 23, 2023:

- (1) This communication 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.
- (2) The Proxy Statement and 2022 Annual Report on Form 10-K are available at www.annualgeneralmeetings.com/ hils2023.
- (3) If you want to receive a paper or e-mail copy of these documents, you must request one. There is no charge to you for requesting a copy. Please make your request for a copy as instructed below on or before October 9, 2023 to facilitate timely delivery.

To request a paper copy of these items:

- Call our toll-free number 1-800-785-7782; or
- Visit our website at www.annualgeneralmeetings.com/hils2023; or
- Send us an e-mail at info@pacificstocktransfer.com.

Please clearly identify the items you are requesting; Hillstream BioPharma, Inc., and your name along with the Control Number located in the lower right hand corner of this notice and the name and address to which the materials should be mailed.

By Order of the Board of Directors

/s/Randy Milby

Name: Randy Milby

Title: Chairman of the Board of Directors and Chief Executive Officer

«Proxy #» Control Number: «Control #»