UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM S-1 REGISTRATION STATEMENT

Under The Securities Act of 1933

HilleVax, Inc.

(Exact Name of Registrant as Specified in Its Charter)

Delaware (State or Other Jurisdiction of Incorporation or Organization) 2836 (Primary Standard Industrial Classification Code Number) 85-0545060 (I.R.S. Employer Identification Number)

75 State Street, Suite 100 - #9995 Boston, Massachusetts 02109 (617) 213-5054

(Address, Including Zip Code, and Telephone Number, Including Area Code, of Registrant's Principal Executive Offices)

Rob Hershberg, M.D., Ph.D. Chairman, President and Chief Executive Officer HilleVax, Inc. 75 State Street, Suite 100 - #9995 Boston, Massachusetts 02109 (617) 213-5054

(Name, Address, Including Zip Code, and Telephone Number, Including Area Code, of Agent For Service)

Copies to:

Cheston J. Larson Matthew T. Bush Wesley C. Holmes Latham & Watkins LLP 200 Clarendon Street Boston, Massachusetts 02116 (617) 948-6000 Paul Bavier General Counsel and Chief Administrative Officer HilleVax, Inc. 75 State Street, Suite 100 - #9995 Boston, Massachusetts 02109 (617) 213-5054 Alan F. Denenberg Emily Roberts Davis Polk & Wardwell LLP 1600 El Camino Real Menlo Park, California 94025 (650) 752-2000

Approximate date of commencement of proposed sale to the public: As soon as practicable after this Registration Statement is declared effective.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933 check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. \boxtimes (File No. 333-264159)

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. \Box

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company or an emerging growth company. See the definition 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

Smaller reporting company \square

Emerging growth company \square

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.

The Registration Statement shall become effective upon filing with the Securities and Exchange Commission in accordance with Rule 462(b) promulgated under the Securities Act of 1933, as amended.

EXPLANATORY NOTE AND INCORPORATION BY REFERENCE

This Registration Statement on Form S-1 (this "Registration Statement") is being filed pursuant to Rule 462(b) under the Securities Act of 1933, as amended, for the sole purpose of increasing the aggregate number of shares of common stock offered by HilleVax, Inc. (the "Registrant") by 1,691,650 shares, 220,650 of which are subject to purchase upon exercise of the underwriters' option to purchase additional shares of the Registrant's common stock. The additional securities that are being registered for sale are in an amount and at a price that together represent no more than 20% of the maximum aggregate offering price set forth in the Calculation of Registration Fee table contained in the Registration Statement on Form S-1, as amended (File No. 333-264159) (the "Prior Registration Statement"). The information set forth in the Prior Registration Statement and all exhibits thereto are hereby incorporated by reference in this filing.

The required opinion and consents are listed on an Exhibit Index attached hereto and filed herewith.

Exhibit Index

Exhibit Number	Description of Exhibit						
5.1	Opinion of Latham & Watkins LLP (incorporated by reference to Exhibit 5.1 filed with the Prior Registration Statement on April 25, 2022)						
23.1	Consent of independent registered public accounting firm						
23.2	Consent of Latham & Watkins LLP (included in Exhibit 5.1)						
24.1	Power of Attorney (incorporated by reference to the signature page of the Prior Registration Statement filed on April 6, 2022)						
107	Filing Fee Table						

SIGNATURES

Pursuant to the requirements of the Securities Act, the registrant has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Boston, State of Massachusetts, on this 28th day of April, 2022.

HILLEVAX, INC.

By: /s/ Robert Hershberg, M.D., Ph.D.

Robert Hershberg, M.D., Ph.D. Chairman, President and Chief Executive Officer

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities held on the dates indicated.

Signature	Title	Date		
/s/ Robert Hershberg, M.D., Ph.D.	Chairman, President and Chief Executive Officer	April 28, 2022		
Robert Hershberg, M.D., Ph.D.	(principal executive officer)			
/s/ David Socks	Chief Financial Officer and Chief Business Officer	April 28, 2022		
David Socks	(principal financial and accounting officer)			
*	Director	April 28, 2022		
Shelley Chu, M.D., Ph.D.				
*	Director	April 28, 2022		
Gary Dubin, M.D.				
*	Director	April 28, 2022		
Julie Gerberding, M.D., M.P.H.				
*	Director	April 28, 2022		
Patrick Heron				
*	Director	April 28, 2022		
Jeryl Hilleman				
*	Chief Operating Officer and Director	April 28, 2022		
Aditya Kohli, Ph.D.				
*	Director	April 28, 2022		
Jaime Sepulveda, M.D., D.Sc., M.P.H.				
*	Director	April 28, 2022		
Susan Silbermann		-		
*By: /s/ Robert Hershberg, M.D., Ph.D.				
Dy. 15 ROUGH HEISHUEIS, WI.D., FII.D.				

Robert Hershberg, M.D., Ph.D.

Attorney-in-fact

Consent of Independent Registered Public Accounting Firm

We consent to the incorporation by reference in the Registration Statement on Form S-1 filed pursuant to Rule 462(b) of the Securities Act of 1933 of the reference to our firm under the caption "Experts" and to the incorporation by reference of our report dated February 28, 2022 (except for the last paragraph of Note 7, as to which the date is April 25, 2022), with respect to the combined financial statements of HilleVax, Inc. included in Amendment No. 2 to the Registration Statement (Form S-1 No. 333-264159) and related Prospectus of HilleVax, Inc. for the registration of shares of its common stock.

/s/ Ernst & Young LLP

San Diego, California April 28, 2022

Calculation of Filing Fee Tables

Form S-1 (Form Type)

HilleVax, Inc.

(Exact Name of Registrant as Specified in its Charter)

Table 1: Newly Registered and Carry Forward Securities

	Security Type	Security Class Title	Fee Calculation or Carry Forward Rule	Amount Registered(1)	Proposed Maximum Offering Price Per Unit	Maximum Aggregate Offering Price(2)	Fee Rate	Amount of Registration Fee
Fees to Be Paid	Equity	Common Stock, \$0.0001 par value per share	Rule 457(a)	1,691,650	\$17.00	\$28,758,050	0.0000927	\$ 2,666
	Total Offering Amounts				\$28,758,050		\$ 2,666	
	Total Fees Previously Paid							
	Total Fee Offsets							
	Net Fee Due							2,666

(1) Represents only the additional number of shares being registered and includes 220,650 additional shares of common stock that the underwriters have the option to purchase. This does not include the securities that the Registrant previously registered on the Registration Statement on Form S-1, as amended (File No. 333-264159).

(2) Calculated pursuant to Rule 457(a) under the Securities Act of 1933, as amended.