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

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**Post-Effective  
Amendment No. 1**  
to  
**Form S-1**  
**REGISTRATION STATEMENT**  
*UNDER*  
**THE SECURITIES ACT OF 1933**

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**Scilex Holding Company**  
(Exact name of Registrant as specified in its charter)

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

**2836**  
(Primary Standard Industrial  
Classification Code Number)

**92-1062542**  
(I.R.S. Employer  
Identification Number)

**Scilex Holding Company**  
**960 San Antonio Road**  
**Palo Alto, CA 94303**  
(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

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**Jaisim Shah**  
**Chief Executive Officer & President**  
**960 San Antonio Road**  
**Palo Alto, CA 94303**  
**(650) 516-4310**  
(Name, address, including zip code, and telephone number, including area code, of agent for service)

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*Copies to:*

**Jeffrey T. Hartlin, Esq.**  
**Elizabeth A. Razzano, Esq.**  
**Paul Hastings LLP**  
**1117 S. California Avenue**  
**Palo Alto, CA 94304**  
**(650) 320-1800**

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**Approximate date of commencement of proposed sale to the public:** Not applicable. This Post-Effective Amendment No.1 deregisters those securities that remain unsold as of the date hereof.

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.

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.

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 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

Non-accelerated filer

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.

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## DEREGISTRATION OF UNSOLD SECURITIES

This Post-Effective Amendment No. 1 (the “Post-Effective Amendment No. 1”) relates to the Registration Statement on Form S-1 (File No. 333-271204) of Scilex Holding Company, a Delaware corporation (the “Company”), which was filed with the U.S. Securities and Exchange Commission (the “Commission”) on April 10, 2023 and declared effective by the Commission on April 19, 2023 (the “Registration Statement”), relating to the registration for the resale of up to 3,290,000 shares of the Company’s common stock, par value \$0.0001 per share (such shares, the “Conversion Shares”), which the Company may issue to the selling securityholder identified in the Registration Statement (the “Selling Securityholder”) upon the conversion of certain convertible debentures (the “Convertible Debentures”) in an aggregate principal amount of \$25,000,000 held by the Selling Securityholder. As of the date of this Post-Effective Amendment No.1, 2,657,569 Conversion Shares that are issuable upon the conversion of the Convertible Debentures are unissued.

The Company has fully repaid the Convertible Debentures and as such, has terminated the offering of the Conversion Shares to be offered and resold pursuant to the Registration Statement. In accordance with an undertaking made by the Company in the Registration Statement to remove from registration, by means of a post-effective amendment, any of the securities which remain unsold at the termination of the offering, the Company hereby amends the Registration Statement to remove from registration the 2,657,569 Conversion Shares that are issuable upon the conversion of the Convertible Debentures registered but remaining unsold under the Registration Statement.

The Company hereby requests that, pursuant to Rule 457(p) under the Securities Act of 1933, as amended, the aggregate total dollar amount of the filing fee of \$3,631.51, associated with the unsold securities, be used to offset against the total filing fees due for subsequent registration statements of the Company.

## SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant has duly caused this Post-Effective Amendment No. 1 to the Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in Palo Alto, State of California, on the 26th day of March 2024.

### SCILEX HOLDING COMPANY

By: /s/ Jaisim Shah

Name: Jaisim Shah

Title: Chief Executive Officer and President

Each person whose signature appears below constitutes and appoints each of Jaisim Shah and Stephen Ma, acting alone or together with another attorney-in-fact, as his true and lawful attorney-in-fact and agent, with full power of substitution and resubstitution, for such person and in his name, place and stead, in any and all capacities, to sign any or all further amendments (including post-effective amendments) to this registration statement (and any additional registration statement related hereto permitted by Rule 426(b) promulgated under the Securities Act of 1933, as amended (and all further amendments, including post-effective amendments thereto)), and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorney-in-fact and agent, or his 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 Post-Effective Amendment No. 1 to the 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/ Jaisim Shah</u> Jaisim Shah	Chief Executive Officer, President and Director (Principal Executive Officer)	March 26, 2024
<u>/s/ Stephen Ma</u> Stephen Ma	Chief Financial Officer (Principal Financial and Accounting Officer)	March 26, 2024
<u>/s/ Henry Ji, Ph.D.</u> Henry Ji, Ph.D.	Executive Chairperson and Director	March 26, 2024
<u>/s/ Dorman Followwill</u> Dorman Followwill	Director	March 26, 2024
<u>/s/ Yue Alexander Wu, Ph.D.</u> Yue Alexander Wu, Ph.D.	Director	March 26, 2024
<u>/s/ Jay Chun, M.D., Ph.D.</u> Jay Chun, M.D., Ph.D.	Director	March 26, 2024
<u>/s/ David Lemus</u> David Lemus	Director	March 26, 2024