Neurogene Inc. Announces Pricing of $125 Million Public Offering

July 1, 2026

NEW YORK--(BUSINESS WIRE)--Jul. 1, 2026-- Neurogene Inc. (Nasdaq: NGNE), a clinical-stage company founded to bring life-changing genetic medicines to patients and families affected by rare neurological diseases, today announced the pricing of its previously announced public offering of 3,500,000 shares of its common stock at a public offering price per share of $30.00 and, in lieu of common stock to certain investors, pre-funded warrants to purchase up to 666,666 shares of its common stock at a public offering price of $29.999999 per pre-funded warrant. The pre-funded warrants have an exercise price of $0.000001 per share and are exercisable immediately. The aggregate gross proceeds to Neurogene from the offering are expected to be approximately $125 million before deducting underwriting discounts and commissions and other offering expenses payable by Neurogene, excluding any exercise of the underwriters' option to purchase additional shares. The offering is expected to close on July 2, 2026, subject to the satisfaction of customary closing conditions. In addition, Neurogene has granted the underwriters an option for a period of 30 days to purchase up to an additional 624,999 shares at the public offering price, less underwriting discounts and commissions.

Leerink Partners, Stifel, Guggenheim Securities, LifeSci Capital and William Blair are acting as joint bookrunning managers for the offering.

A shelf registration statement relating to the offered securities was filed with the Securities and Exchange Commission ("SEC") on March 24, 2025 and was declared effective on April 4, 2025. This offering is being made only by means of a written prospectus, including a prospectus supplement, forming a part of an effective registration statement. A preliminary prospectus supplement and accompanying prospectus relating to the offering have been filed with the SEC and are available on the SEC's website, located at www.sec.gov. A copy of the final prospectus supplement and the accompanying prospectus relating to the offering will be filed with the SEC and will be available on the SEC's website at www.sec.gov and, when available, may be obtained from: Leerink Partners LLC, Attention: Syndicate Department, 53 State Street, 40th Floor, Boston, MA 02109, by telephone at (800) 808-7525, ext. 6105, or by email at syndicate@leerink.com; Stifel, Nicolaus & Company, Incorporated, Attention: Prospectus Department, One Montgomery Street, Suite 3700, San Francisco, California 94104, by telephone at (415) 364-2720 or by email at syndprospectus@stifel.com; Guggenheim Securities, LLC, Attention: Equity Syndicate Department, 330 Madison Avenue, 8th Floor, New York, NY 10017, by telephone at (212) 518-9544, or by email at GSEquityProspectusDelivery@guggenheimpartners.com; LifeSci Capital LLC, Attention: LifeSci Capital LLC, 1700 Broadway, 40th Floor, New York, NY 10019, or by email at compliance@lifescicapital.com; and William Blair & Company, L.L.C., Attention: Prospectus Department, 150 North Riverside Plaza, Chicago, IL 60606, by telephone at (800) 621-0687 or by email at prospectus@williamblair.com.

This press release shall not constitute an offer to sell, or the solicitation of an offer to buy, nor shall there be any sale of these securities in any state or jurisdiction in which such offer, solicitation, or sale would be unlawful prior to registration or qualification under the securities laws of any such state or jurisdiction.

About Neurogene

Neurogene (NASDAQ: NGNE) is a clinical-stage biotechnology company focused on developing life-changing genetic medicines for people and their families impacted by devastating neurological diseases. The Company is using a biology-first approach paired with optimized delivery to develop purpose-built genetic medicines, including programs powered by its novel and proprietary EXACT™ transgene regulation technology. Neurogene is advancing its lead gene therapy program, NGN-401, as a potential best-in-class, one-time treatment for Rett syndrome.

Cautionary Note Regarding Forward-Looking Statements

Statements in this press release are made as of the date of this press release. Neurogene does not undertake any obligation to make any updates to these statements to reflect events that occur or circumstances that arise after the date of this press release, except as may be required under applicable U.S. securities law.

Statements in this press release which are not historical in nature are intended to be, and hereby are identified as, forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These statements may discuss goals, intentions and expectations as to future plans, trends, events, results of operations or financial condition, or otherwise, based on current expectations and beliefs of the management of Neurogene, as well as assumptions made by, and information currently available to, management of Neurogene, including, but not limited to, statements regarding: Neurogene's expectations regarding the consummation of the offering; and the satisfaction of customary closing conditions with respect to the offering. Forward-looking

statements generally include statements that are predictive in nature and depend upon or refer to future events or conditions, and include words such as “may,” “will,” “should,” “would,” “expect,” “anticipate,” “plan,” “likely,” “believe,” “estimate,” “project,” “intend,” “on track,” and other similar expressions or the negative or plural of these words, or other similar expressions that are predictions or indicate future events or prospects, although not all forward-looking statements contain these words. Forward-looking statements are based on current beliefs and assumptions that are subject to risks, uncertainties and assumptions that are difficult to predict with regard to timing, extent, likelihood, and degree of occurrence, which could cause actual results to differ materially from anticipated results and many of which are outside of Neurogene’s control. Such risks, uncertainties and assumptions include, among other things, the risks and uncertainties identified under the heading “Risk Factors” included in Neurogene’s Quarterly Report on Form 10-Q for the quarter ended March 31, 2026, filed with the SEC on May 12, 2026, and other filings that Neurogene has made and may make with the SEC in the future. Nothing in this communication should be regarded as a representation by any person that the forward-looking statements set forth herein will be achieved or that the contemplated results of any such forward-looking statements will be achieved. Forward-looking statements in this communication speak only as of the day they are made and are qualified in their entirety by reference to the cautionary statements herein. Except as required by applicable law, Neurogene undertakes no obligation to revise or update any forward-looking statement, or to make any other forward-looking statements, whether as a result of new information, future events or otherwise.

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