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

**Form 6-K**

**REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16  
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

For the month of August 2018

Commission File Number 000-30902

**COMPUGEN LTD.**

(Translation of registrant's name into English)

**26 Harokmim Street**

**Holon 5885849, Israel**

(Address of Principal Executive Offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-For Form 40-F:

Form 20-F ☒

Form 40-F ☐

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): ☐

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): ☐

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**Compugen Ltd.**

On August 6, 2018, Compugen Ltd. (the “**Company**”) held its 2018 Annual General Meeting of Shareholders (the “**Meeting**”). The proxy statement for the Meeting was filed by the Company with the Securities and Exchange Commission as an exhibit to its Report on Form 6-K on June 28, 2018 (File No. 000-30902) and is incorporated herein by reference. Proposals 1 through 5 brought before the shareholders at the Meeting were approved by the shareholders.

The information contained in this Report on Form 6-K is hereby incorporated by reference into the Company’s Registration Statement on Form F-3, File No. 333-213007.

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### Signatures

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

**COMPUGEN LTD.**

Date: August 7, 2018

By: /s/ Donna Gershowitz  
Donna Gershowitz  
General Counsel

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