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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 OF  
THE SECURITIES EXCHANGE ACT OF 1934**

For the month of: March 2018 (Report No. 1)

Commission File Number 001-35932

**ARCTURUS THERAPEUTICS LTD.**

(Translation of Registrant's name into English)

**10628 Science Center Drive, Suite 200  
San Diego, California 92121**  
(Address of Principal Executive Office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or 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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## EXPLANATORY NOTE

On March 11, 2018, Arcturus Therapeutics Ltd. (the “**Company**”) published a notice that it will hold an extraordinary general meeting of shareholders (the “**Meeting**”) at the offices of the Company’s U.S. legal counsel, Cooley LLP, at 4401 Eastgate Mall, San Diego, California, 92121-1909, on Monday, May 7, 2018 at 10:00 a.m., Pacific time. Following the record date for the Meeting, which has been set for Monday, April 9, 2018, the Company will distribute a proxy statement describing the proposed resolutions for the Meeting and a proxy card to all shareholders of record as of the record date. The notice is attached hereto as Exhibit 99.1.

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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.

ARCTURUS THERAPEUTICS LTD.

Date: March 12, 2018

By: /s/ Mark Herbert  
Name: Mark Herbert  
Title: Interim President

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## Exhibit Index

<b>Exhibit No.</b>	<b>Description</b>
99.1	Press Release issued by the Company on March 11, 2018, titled “Arcturus Therapeutics Announces Extraordinary General Meeting of Shareholders.”

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10628 Science Center Drive, Suite 200, San Diego, California 92121  
Tel: (858) 900-2660

## ARCTURUS THERAPEUTICS ANNOUNCES EXTRAORDINARY GENERAL MEETING OF SHAREHOLDERS

### *Board of Directors Recommends Removal of Terminated CEO Joseph Payne from Board of Directors*

**San Diego, California, March 11, 2018**—Arcturus Therapeutics Ltd. (Arcturus or the Company) (NASDAQ: ARCT), an RNA medicines company, today announced that it will hold an extraordinary general meeting of shareholders, or the EGM, on Monday, May 7, 2018 at 10 a.m. Pacific time at the offices of Arcturus' U.S. legal counsel, Cooley LLP, at 4401 Eastgate Mall, San Diego, California, 92121-1909, at which the shareholders will vote on two sets of competing proposals. Proposals 1 through 3 below were proposed by a shareholder, director, and former (recently-terminated) chief executive officer, Joseph Payne, pursuant to his demand for the shareholders meeting under Israeli law. Proposals 4 through 6 are being proposed by Arcturus' board of directors. The proposals for consideration by the shareholders are as follows:

#### *Proposals Recommended by Joseph Payne (Proposals 1-3)*

*Proposal 1:* Approval of the removal of Messrs. Stuart Collinson, Craig Willett, Daniel Geffken and David Shapiro from their roles as Directors on Arcturus' Board, with immediate effect.

*Proposal 2:* To amend articles 4.2.1 and 4.2.2 of the Articles of Association of Arcturus, with immediate effect, so that the authority to determine the number of directors of the Company, as well as the authority to elect new directors to the Board, is also provided to extraordinary general meetings of the shareholders of the Company, as follows (new language underlined):

"4.2.1 The number of Directors of the Company shall be determined from time to time by the Annual Meeting or an Extraordinary Meeting, provided that this shall not be fewer than 5 and not more than 11 Directors, including External Directors. The number of External Directors in the Company shall not be less than the number determined in the Companies Law."

"4.2.2 Other than External Directors (who shall be elected and serve in office in strict accordance with the provisions of the Companies Law), the Directors in the Company shall be elected at an Annual Meeting or at an Extraordinary Meeting and shall serve in their office until the next Annual Meeting following one year from their election, or until they cease to serve in their office in accordance with the provisions of the Articles or any law, whichever is the earlier."

*Proposal 3:* If Proposal 2 is approved by the shareholders at the EGM, to elect the following four individuals to serve as directors on the Board, effective immediately following the EGM: Peter Farrell, Andrew Sassine, Magda Marquet and James Barlow. If Proposal 2 is not approved by the shareholders at the EGM, Proposal 3 will not be voted on by the shareholders at the EGM.

#### *Proposals Recommended by Arcturus' Board of Directors (Proposals 4-6)*

*Proposal 4:* Approval of the removal of Mr. Joseph Payne from his role as a Director on Arcturus' Board, with immediate effect.

In addition, if no independent auditor has issued a report on Arcturus' audited financial statements for the year ended December 31, 2017 on or prior to the date and time of the EGM, the following proposal will be presented for a vote of the shareholders:

*Proposal 5:* Ratification of the appointment of Ernst & Young LLP as Arcturus' independent auditors for the audit of Arcturus' financial statements for the year ended December 31, 2017 and for the additional period until Arcturus' annual meeting of shareholders in 2018.

In addition, if the chairperson of the EGM determines that there are not enough votes to pass Proposal 4 and/or Proposal 5 at the EGM, the following proposal may, at the discretion of the chairperson of the EGM, be presented for a vote of the shareholders:

*Proposal 6:* To approve the adjournment or postponement of the EGM until a later date, time and venue as determined by the chairperson of the EGM (subject to any required notification under Israeli law).

Arcturus is currently not aware of any other matters that will come before the meeting. If any other matters are presented properly at the meeting, the persons designated as proxies intend to vote upon such matters in accordance with their best judgment. Monday, April 9, 2018, will serve as the record date of shareholders entitled to vote at the EGM.

***Arcturus' board of directors recommends that Arcturus' shareholders vote "against" Proposals 1, 2 and 3 and "for" Proposals 4, 5 and 6.***

#### **Further Details Concerning the Extraordinary General Shareholders Meeting**

The presence in person or by proxy of two or more shareholders possessing at least one-third (1/3) of Arcturus' voting rights will constitute a quorum at the shareholders meeting. In the absence of a quorum within one hour of the scheduled time for the meeting, the meeting will be adjourned for one week and will be held on Monday, May 14, 2018 at the same time and place, unless Arcturus otherwise informs its shareholders. At such adjourned meeting, the presence of at least two shareholders in person or by proxy (regardless of the voting rights possessed by their shares) will constitute a quorum. Approval of each proposal at the meeting (or any adjournment thereof) requires the affirmative vote of a majority of the ordinary shares present (in person or by proxy) and voting thereon (which excludes abstentions and broker non-votes).

Registered holders who are unable to attend the meeting in person will be requested to complete, date and sign their proxy cards and return them promptly in the pre-addressed envelope that will be provided, so as to be received not later than 11:59 PM, Eastern time, on Sunday, May 6, 2018. No postage will be required if a proxy card is mailed in the United States to Arcturus' U.S. transfer agent, Continental Stock Transfer & Trust Company. Shareholders who attend the meeting in person may revoke their proxies and vote their ordinary shares at the meeting. Shareholders whose ordinary shares in Arcturus are held in "street name" (i.e., through a bank, broker or other nominee) will be able to either direct the registered record holder of their shares on how to vote such shares or obtain a legal proxy from the registered record holder to enable such "street name" holder to participate in and to vote such shares at the meeting (or to appoint a proxy to do so). An earlier deadline may apply to receipt of such "street name" shareholders' voting instruction forms.

The Board urges you to return the proxy card or voting instruction form to be sent to you by the Board in order to vote AGAINST Proposals 1 through 3 and FOR Proposals 4 through 6.

#### **Additional Information and Where to Find It**

In connection with the meeting, Arcturus will make available to its shareholders of record a proxy statement describing the time and place for, and other logistical information related to, the meeting, information regarding the identity of the participants, and their director or indirect interests, by security holdings or otherwise, and describing the proposals to be voted upon at the meeting, along with a WHITE proxy card enabling them to submit their votes on that proposal. Arcturus will also be furnishing copies of the proxy statement and WHITE proxy card to the United States Securities and Exchange Commission, or the SEC, in a Report of Foreign Private Issuer on Form 6-K, which may be obtained for free from the SEC's website at [www.sec.gov](http://www.sec.gov) and will be available on Arcturus' website at <http://ir.arcturusrx.com/>. **SHAREHOLDERS OF ARCTURUS ARE STRONGLY ENCOURAGED TO READ SUCH PROXY STATEMENT, ACCOMPANYING WHITE PROXY CARD AND ALL OTHER DOCUMENTS FILED WITH THE SEC CAREFULLY AND IN THEIR ENTIRETY WHEN THEY BECOME AVAILABLE AS THEY WILL CONTAIN IMPORTANT INFORMATION.** Arcturus and certain of its directors and executive officers are expected to be participants in the solicitation of proxies from Arcturus' shareholders in connection with the EGM.

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The full text of the proposed resolutions for the meeting, together with the Board's form of WHITE proxy card, may also be viewed beginning on Wednesday, April 11, 2018, at the registered office of Arcturus, c/o Meitar Liquornik Geva Leshem Tal, 16 Abba Hillel Road, Ramat Gan, Israel 5250608, 12<sup>th</sup> Floor, from Sunday to Thursday (excluding holidays), 10:00 a.m. to 5:00 p.m. (Israel time). Arcturus' telephone number at its registered office is +972-3-610-3157.

### ***Forward-Looking Statements***

This press release may contain "forward-looking statements" that involve substantial risks and uncertainties for purposes of the safe harbor provided by the Private Securities Litigation Reform Act of 1995. Any statements, other than statements of historical fact, included in this press release regarding strategy, future operations, collaborations, future financial position, prospects, plans and objectives of management are forward-looking statements. Examples of such statements may include, but are not limited to, statements relating to the expectations regarding solicitation of proxies and voting by Arcturus' shareholders. Arcturus may not actually achieve the plans, carry out the intentions or meet the expectations or projections disclosed in any forward-looking statements and you should not place undue reliance on those forward-looking statements. Any such statements are based on management's current expectations and involve risks and uncertainties. Actual results and performance could differ materially from those projected in any forward-looking statements.

The forward-looking statements contained or implied in this press release are subject to other risks and uncertainties, including those discussed under the heading "Risk Factors" in Arcturus' (formerly Alcobra Ltd.'s) Annual Report on Form 20-F for the fiscal year ended December 31, 2016, filed with the SEC on April 28, 2017 and in subsequent filings with, or submissions to, the SEC. Except as otherwise required by law, Arcturus disclaims any intention or obligation to update or revise any forward-looking statements, which speak only as of the date they were made, whether as a result of new information, future events or circumstances or otherwise.

### **About Arcturus Therapeutics Ltd.**

Founded in 2013 and based in San Diego, Arcturus Therapeutics Ltd. (NASDAQ: ARCT) is an RNA medicines company with enabling technologies – UNA Oligomer chemistry and LUNAR™ lipid-mediated delivery. Arcturus' diverse pipeline of RNA therapeutics includes programs pursuing rare diseases, Hepatitis B, non-alcoholic steatohepatitis (NASH), cystic fibrosis, and vaccines. Arcturus' versatile RNA therapeutics platforms can be applied toward multiple types of RNA medicines including small interfering RNA, messenger RNA, replicon RNA, antisense RNA, microRNA and gene editing therapeutics. Arcturus owns LUNAR lipid-mediated delivery and Unlocked Nucleomonomer Agent (UNA) technology including UNA Oligomers, which are covered by its extensive patent portfolio (120 patents and patent applications, issued in the U.S., Europe, Japan, China and other countries). Arcturus' proprietary UNA technology can be used to target individual genes in the human genome, as well as viral genes, and other species for therapeutic purposes. Arcturus' commitment to the development of novel RNA therapeutics has led to partnerships with Janssen Pharmaceuticals, Inc., part of the Janssen Pharmaceutical Companies of Johnson & Johnson, Ultragenyx Pharmaceutical, Inc., Takeda Pharmaceutical Company Limited, Synthetic Genomics Inc., CureVac AG and Cystic Fibrosis Foundation Therapeutics Inc. For more information, visit [www.ArcturusRx.com](http://www.ArcturusRx.com), the content of which is not incorporated herein by reference.

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