
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: April 2018 (Report No. 2)

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):

On April 8, 2018, Arcturus Therapeutics Ltd. (the “Company”) announced that, upon the recommendation of the Executive Committee of the Board of Directors of the Company (the “Board”), the Board approved postponing the Extraordinary General Meeting of Shareholders (EGM) previously scheduled for May 7, 2018. The press release is attached hereto as Exhibit 99.1.

This Form 6-K, excluding Exhibit 99.1, is incorporated by reference into the Registration Statements on Form F-3 (File No. 333- 209960) and Form S-8 (File No. 333-194875, File No. 333-202394, File No. 333-209947, File No. 333-217556 and File No. 333-221830) of the Company, filed with the Securities and Exchange Commission, to be a part thereof from the date on which this report is submitted, to the extent not superseded by documents or reports subsequently filed or furnished.

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: April 9, 2018

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

Exhibit Index

| Exhibit No. | Description |
|-------------|--|
| 99.1 | Press Release issued by the Company on April 8, 2018, titled "Arcturus Therapeutics Issues Statement Regarding Timing of Extraordinary General Meeting of Shareholders." |

FOR IMMEDIATE RELEASE

**Arcturus Therapeutics Issues Statement Regarding
Timing of Extraordinary General Meeting of Shareholders**

*Postponement due to Joseph Payne's Focus on Advancing
His Personal Agenda at the Expense of Arcturus Shareholders*

San Diego, CA – April 8, 2018 – Arcturus Therapeutics Ltd. (NASDAQ: ARCT), a leading RNA medicines company, today announced that upon the recommendation of the Executive Committee of the Board, the Board of Directors of Arcturus approved postponing the Extraordinary General Meeting of Shareholders (EGM) previously scheduled for May 7, 2018.

In making its determination, the Board considered, among other things, the uncertainty regarding the agenda for the meeting due to a recent petition from Joseph E. Payne, former President and CEO of Arcturus, to the courts in Israel to require changes to the proposals to be voted on at the EGM. The Board also considered the uncertainty regarding the necessity of the proposal related to the independent auditor for the Company's 2017 financial statements. Both of these sources of uncertainty are the direct result of Payne's actions that continue to harm Arcturus shareholders.

Payne inexplicably waited almost three weeks after the agenda for the EGM was publicized to make a court filing to attempt to change the agenda of the Extraordinary General Meeting, which Payne demanded be held. This is another example of Payne's efforts to disrupt the Company's positive momentum and compromise our ongoing initiatives to drive shareholder value.

In addition, the uncertainty regarding the audit firm would not exist if Payne and his associates had voted sensibly at Arcturus' February EGM, instead of deliberately voting in opposition to the best interests of all other shareholders and against how Payne voted on the proposal in his capacity as a Director. The Executive Committee of the Board intends to reschedule the EGM when it can provide shareholders with certainty regarding the agenda for the meeting.

As previously noted, there is an ongoing investigation into Payne's actions as well as into the background of his proposed nominees.

In contrast to Payne's vindictive campaign of self-interest and interference, the Executive Committee is dedicated to doing what is necessary to protect Arcturus and the interests of all of its shareholders and other stakeholders. As evidenced by the recent actions to terminate Payne for cause and continued efforts to hold Payne accountable for his reckless and disruptive campaign, the Executive Committee is committed to ensuring management accountability, oversight and successful execution of Arcturus' strategy.

If investors have any questions, please contact the Company's proxy solicitor:

M O R R O W
S O D A L I

509 Madison Avenue
Suite 1608
New York, NY 10022

Stockholders Call Toll Free: (800) 662-5200
E-mail: ARCT@morrowsodali.com

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, the content of which is not incorporated herein by reference.

Additional Information and Where to Find It

In connection with the meeting, at such time as it may be called once again (following postponement), 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 and the proposal 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 and will be available on Arcturus' website at <http://ir.arcturusrx.com/>. SHAREHOLDERS OF THE COMPANY 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.

The full text of the proposed resolutions for the meeting, together with the form of the WHITE proxy card, may also be viewed following distribution to Arcturus' shareholders at the registered office of Arcturus, c/o Meitar Liguornik Geva Leshem Tal, 16 Abba Hillel Road, Ramat Gan, Israel [5250608](tel:5250608), 12th 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](tel:+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 rescheduling the EGM. 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.

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