FORM 3

## **UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

## INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL						
OMB Number:	OMB Number: 3235-0104					
Estimated average burden						
hours per response:	0.5					

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person*  ayne Joseph E  2. Date of Event Requiring Statement (Month/Day/Year) 01/01/2019			3. Issuer Name and Ticker or Trading Symbol Arcturus Therapeutics Ltd. [ ARCT ]						
(Last) (First) (Middle) C/O ARCTURUS THERAPEUTICS LTD.  10628 SCIENCE CENTER DRIVE, SUITE 250  (Street) SAN DIEGO CA 92121  (City) (State) (Zip)			4. Relationship of Reporting Perso (Check all applicable)  X Director X  X Officer (give title below)  President and C	10% Owne Other (spec below)	r (Mor	hth/Day/Year)  dividual or Joint cable Line)  Form filed by	de of Original Filed  /Group Filing (Check  y One Reporting Person  y More than One  erson		
Table I - Non-Derivative Securities Beneficially Owned									
1. Title of Security (Instr. 4)			Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)		4. Nature of Indirect Beneficial Ownership (Instr. 5)			
Ordinary Shares			1,469,097(1)(2)	D					
Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)									
1. Title of Derivative Security (Instr. 4)  2. Date Exercisa Expiration Date (Month/Day/Year		ite	3. Title and Amount of Securit Underlying Derivative Security	y (Instr. 4) Conversion or Exercise		Form:	6. Nature of Indirect Beneficial Ownership (Instr. 5)		
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Price of Derivative Security	Direct (D) or Indirect (I) (Instr. 5)			
STOCK OPTION (right to purchase) <sup>(1)(2)</sup>	(3)	08/23/2028	Ordinary Shares	120,000	8	D			

## **Explanation of Responses:**

- 1. The Reporting Person is filing this form in connection with the Issuer's transition from reporting as a foreign private issuer to reporting as a domestic issuer, effective January 1, 2019.
- 2. Includes 366,274 ordinary shares subject to repurchase pursuant to a Common Stock Purchase Agreement, dated March 4, 2013, as amended on September 27, 2017, by and between the Reporting Person and the Issuer.
- 3. Vesting over a period of four years from August 24, 2018, with 25% of the options vesting on the first anniversary thereof and the remainder vesting in equal monthly installments thereafter.

<u>/s/ Joseph E. Payne</u> <u>01/02/2019</u>

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- $^{\star}$  If the form is filed by more than one reporting person, see Instruction 5 (b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.