FORM 3

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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

			UI Sect	1011 30(11) 01	uie iiive	Stillent Company Act of 1	940					
Name and Address of Reporting Person* BARLOW JAMES F			2. Date of Event Requiring Stater (Month/Day/Yea 01/01/2019	ment	3. Issuer Name and Ticker or Trading Symbol Arcturus Therapeutics Ltd. [ARCT]							
(Last) (First) (Middle) C/O ARCTURUS THERAPEUTICS LTD.					Relationship of Reporting Personal (Check all applicable) X Director		on(s) to Issue		5. If Amendment, Date of Original Filed (Month/Day/Year)			
10628 SCIENCE CENTER DRIVE, SUITE 250				Officer (give title below)	Other (specify below)		6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person					
(Street) SAN DIEGO CA 92121								Form filed by Reporting Po	y More than One erson			
(City)	(State)	(Zip)										
Table I - Non-Derivative Securities Beneficially Owned												
1. Title of Security (Instr. 4)					2. Amount of Securities Beneficially Owned (Instr. 4)		3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)		4. Nature of Indirect Beneficial Ownership (Instr. 5)			
Ordinary Shares						10,000(1)	D					
Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)												
1. Title of Derivative Security (Instr. 4) 2. Date Exercisable a Expiration Date (Month/Day/Year)			ate	3. Title and Amount of Secur Underlying Derivative Securi		ity (Instr. 4) Conv		ersion	5. Ownership Form:	6. Nature of Indirect Beneficial Ownership (Instr. 5)		
			Date Exercisable	Expiration Date	Title		Amount or Number of Shares	Security		Direct (D) or Indirect (I) (Instr. 5)		
STOCK OPTION	ON (right to pu	rchase) ⁽¹⁾⁽²⁾	(2)	08/23/2028		Ordinary Shares	20,000	8	3	D		
STOCK OPTION	ON (right to pu	rchase) ⁽¹⁾⁽³⁾	(3)	08/23/2028		Ordinary Shares	10,000	8	3	D		
STOCK OPTION	ON (right to pu	rchase) ⁽¹⁾	08/24/2018	08/23/2028		Ordinary Shares	2,500	8	3	D		

Explanation of Responses:

- 1. The Reporting Person is filling 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. Vesting monthly over a two year period from August 24, 2018.
- 3. Vesting monthly over a one year period from August 24, 2018.

<u>/s/ James F. Barlow</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.

- * 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.