

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person* Thompson Peter A. (Last) (First) (Middle) C/O ADAPT IMMUNE THERAPEUTICS PLC, 101, PARK DRIVE, MILTON PARK (Street) ABINGDON, OXFORDSHIRE, X0 OX14 4RY (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 01/01/2016	3. Issuer Name and Ticker or Trading Symbol Adaptimmune Therapeutics PLC [ADAP]	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)	5. If Amendment, Date Original Filed (Month/Day/Year)
6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person			

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 with a nominal value of GBP0.001 per share	25,408,300	I	See Footnotes (2) (3)
Ordinary Shares with a nominal value of GBP0.001 per share (1)	2,632,704	I	See Footnotes (2) (3)

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

SEC 1473 (7-02)

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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Option to purchase Ordinary Shares	05/11/2015	05/11/2025	Ordinary Shares	155,682	\$ 2.8379 (4)	D	

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Thompson Peter A. C/O ADAPT IMMUNE THERAPEUTICS PLC, 101 PARK DRIVE, MILTON PARK ABINGDON, OXFORDSHIRE, X0 OX14 4RY	X			

Signatures

/s/ Peter Armstrong Thompson Name: Peter Armstrong Thompson	01/04/2016
<small>Signature of Reporting Person</small>	<small>Date</small>

Explanation of Responses:

* 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).

- (1) Represented by 438,784 American Depositary Shares ("ADSs") held of record by OrbiMed Private Investments V, LP ("OPI V"). OPI V holds these ordinary shares in the form of ADSs. Each ADS represents six ordinary shares of Adaptimmune Therapeutics plc.
These securities are held of record by OPI V. OrbiMed Capital GP V LLC ("GP V") is the sole general partner of OPI V, and OrbiMed Advisors LLC ("Advisors") is the managing member of GP V. Samuel D. Isaly ("Isaly"), a natural person, is the managing member of and owner of a controlling interest in Advisors. By virtue of such relationships, GP V, Advisors and Isaly may be deemed to have voting and investment power over the securities held by OPI V and as a result may be deemed to have beneficial ownership over such securities. The Reporting Person is an employee of Advisors.
- (2) Each of GP V, Advisors, Isaly and the Reporting Person disclaims beneficial ownership of the securities reported herein for purposes of Rule 16a-1(a) under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), except to the extent of its or his pecuniary interest therein, if any. This report on Form 3 shall not be deemed an admission that any such entity or person, including the Reporting Person, is a beneficial owner of such securities for the purpose of Section 16 of the Exchange Act, or for any other purpose.
- (3) The exercise price was converted from GBP1.82 based on the noon buying rate of the Federal Reserve Bank of New York for the U.S. dollar on the date of grant. The actual exercise price will be the pounds sterling amount regardless of the exchange rate on the date of grant or of exercise.

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

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