

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13D/A

(Amendment No. 3) *

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO § 240.13d-1(a) AND AMENDMENTS THERETO FILED
PURSUANT TO 240.13d-2(a) UNDER THE SECURITIES EXCHANGE ACT OF 1934

BICYCLE THERAPEUTICS PLC

(Name of Issuer)

Ordinary Shares, par value £0.01

(Title of Class of Securities) (Title of Class of Securities)

088786 108

(CUSIP Number)

Victoria A. Whyte
GlaxoSmithKline plc
980 Great West Road
Brentford, Middlesex TW8 9GS
England
Telephone: +44 (0)208 047 5000

(Name, Address and Telephone Number of Person
Authorized to Receive Notices and Communications)

April 9, 2021

(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box.

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See §240.13d-7 for other parties to whom copies are to be sent.

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act.

1. NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)	
GlaxoSmithKline plc	
2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions)	
(a) <input type="checkbox"/>	
(b) <input type="checkbox"/>	
3. SEC USE ONLY	
4. SOURCE OF FUNDS (see instructions)	
WC	
5. CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) <input type="checkbox"/>	
6. CITIZENSHIP OR PLACE OF ORGANIZATION	
England and Wales	
7. SOLE VOTING POWER	
1,616,295	
NUMBER OF SHARES	8. SHARED VOTING POWER
BENEFICIALLY OWNED BY EACH	9. SOLE DISPOSITIVE POWER
REPORTING PERSON WITH	10. SHARED DISPOSITIVE POWER
	-0-
	1,616,295
	-0-
11. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
1,616,295(1)	
12. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
13. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)	
7.0% (2)	
14. TYPE OF REPORTING PERSON (see instructions)	
CO	

Footnotes:

(1) Includes (i) 86,734 American Depositary Shares, representing 86,734 shares of Ordinary Shares, and (ii) 1,529,561 shares of Ordinary Shares. All are held of record by GSK Equity Investments, Limited, formerly S.R. One, Limited ("GSKEI"), an indirect, wholly-owned subsidiary of GlaxoSmithKline plc.

(2) Based upon 23,090,382 of the Issuer's Ordinary Shares outstanding as of March 5, 2021, as reported in the Issuer's Form 10-K as filed with the Securities and Exchange Commission (the "SEC") on March 11, 2021.

Item 1. Security and Issuer.

This Amendment No. 3 to Schedule 13D (this "Statement") amends and supplements the statement on Schedule 13D originally filed on June 7, 2019, and amended on February 14, 2020 and December 7, 2020 (the "Schedule 13D") with respect to the ordinary shares, nominal value £0.01 per share (the "Ordinary Shares") of Bicycle Therapeutics plc, a limited liability company incorporated under the laws of England and Wales (the "Issuer"). GlaxoSmithKline plc is filing this amendment to disclose its new percentage beneficial ownership in the Issuer, which has been decreased as a result of (1) the disposition of shares of Ordinary Shares by the Reporting Person and (2) an increase in the outstanding Ordinary Shares of the Issuer. The Issuer's principal executive offices are located at B900, Babraham Research Campus, Cambridge, CB22 3AT, United Kingdom.

Item 2. Identity and Background.

The response set forth in Item 2 of the Schedule 13D is hereby amended by deleting Schedule 1 in its entirety and replacing it with Schedule 1 attached.

Item 5. Interest in Securities of the Issuer.

The response set forth in Items 5 (a) and (b) of the Schedule 13D is hereby amended by deleting the previous response in its entirety and replacing it with the following:

(a), (b) The information contained in rows 7, 8, 9, 10, 11, and 13 on each of the cover pages of this Statement is incorporated by reference in its entirety into this Item 5.

(c) From April 9, 2021 to April 14, 2021, GSKEI disposed of 278,536 shares of American Depositary Shares as follows:

Date of Transaction	Number of shares disposed of	Sale price per share
09-April-21	225,740	\$31.4863
09-April-21	9,260	\$32.0423
14-April-21	43,536	\$30.2068

The reported prices for April 09, 2021 are weighted average sale prices. These American Depositary Shares were sold in multiple transactions ranging from \$31.0000 to \$31.7500 and \$32.000 to \$32.2509 per American Depositary Share.

The reported price for April 14, 2021 is a weighted average sale price. These American Depositary Shares were sold in multiple transactions ranging from \$30.0500 to \$30.5100 per American Depositary Share.

The Reporting Person undertakes to provide the SEC staff, upon request, all information regarding the number of shares purchased at each price within the ranges set forth in the paragraphs of this Item 5(c).

Each disposition listed above was made in an open market transaction.

(d) No person, other than GlaxoSmithKline plc, is known to have the right to receive or the power to direct the receipt of dividends from, or any proceeds from the sale of, the shares of American Depositary beneficially owned by GlaxoSmithKline plc.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: April 16, 2021

GLAXOSMITHKLINE PLC

By: /s/ Victoria A. Whyte
Name: Victoria A. Whyte
Title: Authorized Signatory

Schedule 1

<u>Name</u>	<u>Business Address</u>	<u>Principal Occupation or Employment</u>	<u>Citizenship</u>
Board of Directors			
Emma Walmsley	980 Great West Road Brentford Middlesex, England TW8 9GS	Executive Director and Chief Executive Officer	British
Charles Bancroft	980 Great West Road Brentford Middlesex, England TW8 9GS	Company Director	US
Manvinder Singh Banga	980 Great West Road Brentford Middlesex, England TW8 9GS	Company Director	British & Indian
Dr. Hal Barron	269 E. Grand Avenue, South San Francisco, CA 94080	Chief Scientific Officer & President, R&D	US
Dr. Vivienne Cox	980 Great West Road Brentford Middlesex, England TW8 9GS	Company Director	British
Lynn Elsenhans	980 Great West Road Brentford Middlesex, England TW8 9GS	Company Director	US
Dr. Jesse Goodman	980 Great West Road Brentford Middlesex, England TW8 9GS	Company Director	US
Dr Laurie Glimcher	980 Great West Road Brentford Middlesex, England TW8 9GS	Company Director	US
Judy Lewent	980 Great West Road Brentford Middlesex, England TW8 9GS	Company Director	US
Iain MacKay	980 Great West Road Brentford Middlesex, England TW8 9GS	Executive Director & Chief Financial Officer	British
Urs Rohner	980 Great West Road Brentford Middlesex, England TW8 9GS	Company Director	Swiss
Sir Jonathan Symonds	980 Great West Road Brentford Middlesex, England TW8 9GS	Chairman and Company Director	British

<u>Name</u>	<u>Business Address</u>	<u>Principal Occupation or Employment</u>	<u>Citizenship</u>
Corporate Executive Team			
Emma Walmsley	980 Great West Road Brentford Middlesex, England TW8 9GS	Executive Director and Chief Executive Officer	British
Dr. Hal Barron	269 E. Grand Avenue, South San Francisco, CA 94080	Chief Scientific Officer & President, R&D	US
Roger Connor	980 Great West Road Brentford Middlesex, England TW8 9GS	President, Global Vaccines	Irish
Diana Conrad	980 Great West Road Brentford Middlesex, England TW8 9GS	Senior Vice President, Human Resources	Canadian
James Ford	980 Great West Road Brentford Middlesex, England TW8 9GS	Senior Vice President & General Counsel	British & US
Nick Hirons	980 Great West Road Brentford Middlesex, England TW8 9GS	Senior Vice President, Global Ethics and Compliance	British & US
Sally Jackson	980 Great West Road Brentford Middlesex, England TW8 9GS	Senior Vice President, Global Communications and CEO Office	British
Iain MacKay	980 Great West Road Brentford Middlesex, England TW8 9GS	Executive Director & Chief Financial Officer	British

Brian McNamara	184 Liberty Corner Road Warren NJ, 07059	Chief Executive Officer, GSK Consumer Healthcare	US
Luke Miels	980 Great West Road Brentford Middlesex, England TW8 9GS	President, Global Pharmaceuticals	Australian
David Redfern	980 Great West Road Brentford Middlesex, England TW8 9GS	Chief Strategy Officer	British
Regis Simard	980 Great West Road Brentford Middlesex, England TW8 9GS	President Pharmaceutical Supply Chain	French & British
Karenann Terrell	980 Great West Road Brentford Middlesex, England TW8 9GS	Chief Digital and Technology Officer	Canadian
Philip Thomson	980 Great West Road Brentford Middlesex, England TW8 9GS	President, Global Affairs	British
Deborah Waterhouse	980 Great West Road Brentford Middlesex, England TW8 9GS	Chief Executive Officer of ViiV Healthcare	British
