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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 UNDER THE SECURITIES  
EXCHANGE ACT OF 1934

For the month of September, 2022.

Commission File Number: 001-40530

**GH Research PLC**  
(Exact name of registrant as specified in its charter)

28 Baggot Street Lower  
Dublin 2  
D02 NX43  
Ireland  
(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):

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GH Research PLC (the “Company”) will be participating virtually in the H.C. Wainwright 24th Annual Global Investment Conference, which is scheduled to take place from September 12 to September 14, 2022.

**SIGNATURE**

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.

Date: September 8, 2022

**GH Research PLC**

By: /s/ Julie Ryan

Name: Julie Ryan

Title: Vice President, Finance