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, 2024.

Commission File Number: 001-40530

GH Research PLC

(Exact name of registrant as specified in its charter)

Joshua Dawson House **Dawson Street** Dublin 2 D02 RY95 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 X Form 40-F GH Research PLC will hold one-on-one investor meetings and participate in a fireside chat and panel discussion during the H.C. Wainwright 26th Annual Global Investment Conference, which is scheduled to take place from September 9-11, 2024 in New York.

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 9, 2024

GH Research PLC

By: /s/ Julie Ryan

Name: Julie Ryan Title: Vice President, Finance