

FORM 6-K

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

**Report of Foreign Private Issuer
Pursuant to Rule 13a-16 under
the Securities Exchange Act of 1934**

For the month ended May, 2012.

ICON plc

(Registrant's name)

0-29714

(Commission file number)

South County Business Park, Leopardstown, Dublin 18, Ireland
(Address of principal executive offices)

Brendan Brennan, CFO
South County Business Park Leopardstown, Dublin 18, Ireland.
Brendan.Brennan@iconplc.com
0011-353-1-291-2000

(Name, telephone number, email and/or facsimile number and address of Company contact person)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

Yes

No

Indicate by check mark whether the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Yes

No

Indicate by check mark whether the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

Yes

No

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes

No

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b):82 **N/A**

EXHIBIT LIST

Exhibit Description

99.1 Icon plc Press Release announcement issued May 23, 2012.

SIGNATURES

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.

ICON plc

Date: May 23, 2012

/s/ Brendan Brennan
Brendan Brennan
Chief Financial Officer

23 May, 2012

ICON plc
Purchase of Own Securities

Further to the announcement on 22 November, 2011 of a share repurchase programme, ICON plc (“the Company”) announces that on 22 May, 2012 it purchased for cancellation 20,800 Ordinary Shares, at an average price of \$21.8164.

Following the cancellation of these shares, the Company will have 60,048,412 Ordinary Shares in issue.