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 May 2024

Commission File Number 001-37626

Mesoblast Limited

(Exact name of Registrant as specified in its charter)

Not Applicable

(Translation of Registrant's name into English)

Australia

(Jurisdiction of incorporation or organization)

Silviu Itescu Chief Executive Officer and Executive Director Level 38 55 Collins Street Melbourne 3000 Australia (Address of principal executive offices)

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

Form 20-F ☑ Form 40-F □

INFORMATION CONTAINED ON THIS REPORT ON FORM 6-K

On May 10, 2024, Mesoblast Limited filed with the Australian Securities Exchange a new issue announcement, change of directors' interest notices (Appendix 3Y) – director share purchase notification - which is attached hereto as Exhibit 99.1, and is incorporated herein by reference.

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 organized.

Mesoblast Limited /s/ Niva Sivakumar

Niva Sivakumar Company Secretary

Dated: May 10, 2024

INDEX TO EXHIBITS

Item

99.1 Appendix 3Y of Mesoblast Ltd, dated May 10, 2024

Rule 3.19A.2

Appendix 3Y

Change of Director's Interest Notice

Information or documents not available now must be given to ASX as soon as available. Information and documents given to ASX become ASX's property and may be made public.

Introduced 30/09/01 Amended 01/01/11

Name of entity	Mesoblast Limited	
ABN	68 109 431 870	

We (the entity) give ASX the following information under listing rule 3.19A.2 and as agent for the director for the purposes of section 205G of the Corporations Act.

Name of Director	Dr Eric Rose	
Date of last notice	3 May 2024	

Part 1 - Change of director's relevant interests in securities

In the case of a trust, this includes interests in the trust made available by the responsible entity of the trust

Note: In the case of a company, interests which come within paragraph (i) of the definition of "notifiable interest of a director" should be disclosed in this part.

Direct or indirect interest	Indirect interest	
Nature of indirect interest (including registered holder) Note: Provide details of the circumstances giving rise to the relevant interest.	Interest in ordinary shares held in the form of American Depositary Shares ("ADSs") held by custodian JP Morgan Nominees Australia Pty Limited. Direct interest in the ADSs.	
Date of change	8 May 2024	
No. of securities held prior to change	21,428 ADS 4,330,765 options *Please note, Dr Rose will be issued 5,039,814 ordinary shares subject to shareholder approval at the 2024 Annual General Meeting.	
Class	American Depositary Shares. Each ADS represents 10 ordinary shares.	
Number acquired	19,734 ADS	
Number disposed	Not applicable	

⁺ See chapter 19 for defined terms.

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Appendix 3Y Change of Director's Interest Notice

Value/Consideration Note: If consideration is non-cash, provide details and estimated valuation	US\$151,207.83 (US\$7.6623 per ADS)	
No. of securities held after change	41,162 ADS 4,330,765 options *Please note, Dr Rose will be issued	
	5,039,814 ordinary shares subject to shareholder approval at the 2024 Annual General Meeting.	
Nature of change Example: on-market trade, off-market trade, exercise of options, issue of securities under dividend reinvestment plan, participation in buy-back	On-market share purchase on the Nasdaq	

Part 2 - Change of director's interests in contracts

Note: In the case of a company, interests which come within paragraph (ii) of the definition of "notifiable interest of a director" should be disclosed in this part.

Detail of contract	Not applicable
Nature of interest	Not applicable
Name of registered holder (if issued securities)	Not applicable
Date of change	Not applicable
No. and class of securities to which interest related prior to change Note: Details are only required for a contract in relation to which the interest has changed	Not applicable
Interest acquired	Not applicable
Interest disposed	Not applicable
Value/Consideration Note: If consideration is non-cash, provide details and an estimated valuation	Not applicable
Interest after change	Not applicable

Part 3 – +Closed period

Were the interests in the securities or contracts detailed	No
above traded during a ⁺ closed period where prior written	
clearance was required?	

⁺ See chapter 19 for defined terms.

If so, was prior written clearance provided to allow the trade to proceed during this period?	Not applicable
If prior written clearance was provided, on what date was this provided?	Not applicable

⁺ See chapter 19 for defined terms.