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 November 2017

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 □

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):

Yes 🗆 No 🗹

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):

Yes 🗆 No 🗹

INFORMATION CONTAINED ON THIS REPORT ON FORM 6-K

On October 31, 2017, Mesoblast Limited filed with the Australian Securities Exchange a quarterly report for entities admitted on the basis of commitments (Appendix 4C) for the quarter ended September 30, 2017, 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/ Charlie Harrison

Charlie Harrison Company Secretary

Dated: November 01, 2017

Item

99.1 Appendix 4C of Mesoblast Ltd, dated October 31, 2017.

Appendix 4C

Quarterly report for entities subject to Listing Rule 4.7B

Introduced 31/03/00 Amended 30/09/01, 24/10/05, 17/12/10, 01/09/16

Name of entity **Mesoblast Limited**

ABN 68 109 431 870 Quarter ended ("current quarter") 30 September 2017

Consolidated statement of cash flows

		Current quarter US\$ '000	Year to date (3 months) US\$ '000
1	Cash flows from operating activities		
1.1	Receipts from customers	474	474
1.2	Payments for:		
	(a) research and development	(13,503)	(13,503)
	 research and development expenditure includes the incremental 		
	costs of the MPC-150-IM phase 3 program in advanced chronic heart		
	failure through to and beyond the successful interim analysis announced on 10 April 2017.		
	(b) manufacturing commercialisation	(887)	(887)
	(c) advertising and marketing	—	—
	(d) leased assets	—	_
	(e) staff costs	(3,215)	(3,215)
	(f) other expenses from ordinary activities	(2,432)	(2,432)
	(g) other:		
	- intellectual property portfolio expenses	(855)	(855)
1.3	Dividends received (see note 3)	—	—
1.4	Interest received	63	63
1.5	Interest and other costs of finance paid	—	—
1.6	Income taxes paid	(1)	(1)
1.7	Government grants and tax incentives	—	—
1.8	Other:	—	—
	- Payments for fair value adjustments to contingent consideration	(350)	(350)
	- Royalties paid	(193)	(193)
1.9	Net cash from / (used in) operating activities	(20,899)	(20,899)

		Current quarter US\$ '000	Year to date (3 months) US\$ '000
2	Cash flows from investing activities		
2.1	Payment to acquire:		
	(a) property, plant and equipment	(83)	(83)
	(b) businesses (see item 10)	—	
	(c) investments	—	—
	(d) intellectual property	—	_
	(e) other non-current assets	—	—
2.2	Proceeds from disposal of:		
	(a) property, plant and equipment	_	
	(b) businesses (see item 10)	_	_
	(c) investments	—	—
	(d) intellectual property	_	_
	(e) other non-current assets	_	
2.3	Cash flows from loans to other entities	_	_
2.4	Dividends received (see note 3)	—	—
2.5	Other (provide details if material)	_	_
	(a) Security deposits	—	_
2.6	Net cash from / (used in) investing activities	(83)	(83)

		Current quarter US\$ '000	Year to date (3 months) US\$ '000
3	Cash flows related to financing activities		
3.1	Proceeds from issues of shares	40,449	40,449
3.2	Proceeds from issue of convertible notes	—	—
3.3	Proceeds from exercise of share options	—	—
3.4	Transaction costs related to issues of shares, convertible notes or options	(2,001)	(2,001)
3.5	Proceeds from borrowings	_	—
3.6	Repayment of borrowings	—	—
3.7	Transaction costs related to loans and borrowings	_	_
3.8	Dividends paid	—	—
3.9	Other (provide details if material)	_	—
3.10	Net cash from / (used in) financing activities	38,448	38,448

		Current quarter	Year to date (3 months)
		US\$ '000	US\$ '000
4	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of quarter/year to date	45,761	45,761
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(20,899)	(20,899)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(83)	(83)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	38,448	38,448
4.5	Effect of movement in exchange rates on cash held	(286)	(286)
4.6	Cash and cash equivalents at end of quarter	62,941	62,941

+ See chapter 19 for defined terms.

		Current quarter US\$ '000	Previous quarter US\$ '000
5	Reconciliation of cash and cash equivalents		
	at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts		
5.1	Bank balances	27,847	5,919
5.2	Call deposits	34,624	39,381
5.3	Bank overdrafts	—	—
5.4	Other (Term deposits)	470	461
5.5	Cash and cash equivalents at end of quarter (should equal item 4.6 above)	62,941	45,761
			Current quarter USS '000
6	Payments to directors of the entity and their associates		
6.1	Aggregate amount of payments to these parties included in item 1.2		396

Aggregate amount of payments to these parties included in item 1.2 6.1

6.2	Aggregate amount of cash flow from loans to these parties included in item 2.3	—
6.3	Include below any explanation necessary to understand the transactions included in items 6.1 and 6.2	
	Payment to directors (for the current quarter) = \$396k	

_			Current quarter US\$ '000
7	Payments to related entities of the entity and their associates		
7.1	Aggregate amount of payments to these parties included in item 1.2		_
7.2	Aggregate amount of cash flow from loans to these parties included in item 2.3		—
7.3	Include below any explanation necessary to understand the transactions included in items 7.1 and 7.2		
	not applicable		
		Total facility amount at quarter end	Amount drawn at quarter end

		US\$ '000	US\$ '000
8	Financing facilities available		
	Add notes as necessary for an understanding of the position		
8.1	Loan facilities	—	—
8.2	Credit standby arrangements	—	—
8.3	Other (please specify)	—	—
8.4	Include below a description of each facility above, including the lender, interest rate and whether it is sec or are proposed to be entered into after quarter end, include details of those facilities as well.	cured or unsecured. If any additional f	acilities have been entered into
	not applicable		

+ See chapter 19 for defined terms.

01/09/2016 Appendix 4C Page 3

		US\$ '000
9	Estimated cash outflows for next quarter	
9.1	Research and development	(14,172)
	- research and development expenditure includes the incremental costs of the MPC-150-IM phase 3 program in advanced chronic heart failure.	
9.2	Manufacturing commercialisation	(638)
9.3	Advertising and marketing	—
9.4	Leased assets	_
9.5	Staff costs	(2,574)
9.6	Other expenses from ordinary activities	(3,407)
9.7	Other (provide details if material):	
	(a) Intellectual property portfolio expenses	(726)
9.8	Total estimated cash outflows	(21,517)

*Mesoblast is in advanced negotiations with selected pharmaceutical companies with respect to potential partnering of certain Tier 1 product candidates. If Mesoblast enters into a binding transaction in the next quarter, Mesoblast expects that one effect of the transaction is that its cash reserves are likely to increase. Mesoblast does not make any representation or give any assurance that such a binding transaction will be concluded.

In addition, Mesoblast expects its cash reserves to increase in the next quarter as we expect to receive the following income:

royalty income earned on sales of TEMCELL® HS Inj. in Japan, and _

interest income.

Mesoblast has established an equity facility for up to A\$120 million/US\$90 million over the next two years, to be used at its discretion to provide additional funds as required.

	Acquisitions US\$ '000	Disposals US\$ '000
Acquisitions and disposals of business entities		
(items 2.1(b) and 2.2(b) above)		
Name of entity	—	—
Place of incorporation or registration	—	_
Consideration for acquisition or disposal	—	—
Total net assets	—	_
Nature of business	—	—
	(items 2.1(b) and 2.2(b) above) Name of entity Place of incorporation or registration Consideration for acquisition or disposal Total net assets	Acquisitions and disposals of business entities US\$ '000 (items 2.1(b) and 2.2(b) above) — Name of entity — Place of incorporation or registration — Consideration for acquisition or disposal — Total net assets —

+ See chapter 19 for defined terms.

01/09/2016 Appendix 4C Page 4

Compliance statement

- 1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
- 2 This statement gives a true and fair view of the matters disclosed.

Sign here:	<u>/s/ Charlie Harrison</u>	Date: 31 October 2017
-	(Company Secretary)	

Print name: Charlie Harrison

Notes

- 1. The quarterly report provides a basis for informing the market how the entity's activities have been financed for the past quarter and the effect on its cash position. An entity that wishes to disclose additional information is encouraged to do so, in a note or notes included in or attached to this report.
- 2. If this quarterly report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, AASB 107: Statement of Cash Flows apply to this report. If this quarterly report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standard applies to this report.
- 3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.

+ See chapter 19 for defined terms.

01/09/2016 Appendix 4C Page 5