



MARKET RELEASE

12 May 2011

BIONOMICS LIMITED

TRADING HALT

The securities of Bionomics Limited (the "Company") will be placed in Trading Halt Session State at the request of the Company, pending the release of an announcement by the Company. Unless ASX decides otherwise, the securities will remain in Trading Halt Session State until the earlier of the commencement of normal trading on Monday 16 May 2011 or when the announcement is released to the market.

Security Code: BNO

Justin Nelson
Manager, Listings (Adelaide)



ABN 53 075 582 740

12 May 2011

Australian Securities Exchange
Level 30
91 King William Street
Adelaide SA 5000

Attention: Justin Nelson

Dear Justin

Request for Trading Halt

Pursuant to Listing Rule 17.1, Bionomics Limited (ASX:BNO) (ADR: BMICY) requests a trading halt be granted by the Australian Securities Exchange with respect to its securities, commencing from the start of trading today.

The trading halt is requested pending an announcement from the Company regarding a capital raising.

Bionomics requests that the trading halt operates until an announcement is made or the commencement of trading on Monday 16 May 2011 (whichever occurs sooner).

Bionomics is not aware of any reason why the trading halt should not be granted.

Bionomics is not aware of any other information about which the market should be informed in relation to the trading halt.

Yours faithfully

Bionomics Limited

A handwritten signature in black ink, appearing to read "Trevor Thiele", written over a light blue horizontal line.

Trevor Thiele
Chief Financial Officer & Company Secretary