



MARKET RELEASE

19 September 2016

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 Wednesday, 21 September 2016 or when the announcement is released to the market.

Security Code: BNO

Joshua Strutt

ADVISER, LISTINGS COMPLIANCE (SYDNEY (INTERSTATE))

19 September 2016

Australian Securities Exchange
Exchange Centre
20 Bridge Street
Sydney NSW 2000

Attention: Mr Joshua Strutt

Dear Joshua,

Request for Trading Halt

Pursuant to Listing Rule 17.1, Bionomics Limited (ASX: BNO) (OTCQX: BNOEF) 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 results from its BNC210 Phase 2 clinical trial in patients with Generalised Anxiety Disorder.

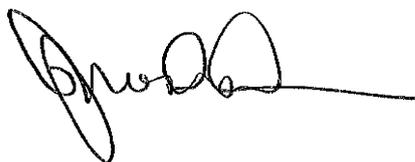
Bionomics requests that the trading halt operates until an announcement is made or the commencement of trading on Wednesday 21 September 2016, whichever occurs first.

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.

Please contact me if you have any queries.

Yours faithfully,



Jack Moschakis
Legal Counsel & Company Secretary