



MARKET RELEASE

28 March 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 Wednesday 30 March 2011 or when the announcement is released to the market.

Security Code: BNO

Justin Nelson
Manager, Listings (Adelaide)

28 March 2011

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

Attention: Justin Nelson

Dear Justin

Bionomics Limited – Request for Trading Halt

Bionomics Limited (Bionomics) requests an immediate trading halt of its securities pending the announcement of results from its European Phase Ib clinical trials of BNC210.

Bionomics requests that the trading halt continue until the commencement of trading on Wednesday 30 March 2011. Bionomics will make another announcement in relation to the clinical trials prior to the end of the trading halt.

In accordance with ASX Listing Rule 17.1, Bionomics confirms that it is not aware of any reason why the trading halt should not be granted.

Yours sincerely



Trevor Thiele
Chief Financial Officer and Company Secretary