UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): October 9, 2024

BIONOMICS LIMITED

(Exact name of registrant as specified in its charter)

(Commission File Number)

001-41157

Australia (State or other jurisdiction of incorporation)

200 Greenhill Road

Eastwood, SA

Australia

(Address of principal executive offices)

N/A

(IRS Employer Identification No.)

5063

(Zip Code)

+61 8 8150 7400

(Registrant's telephone number, including area code)

N/A

(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

□ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

□ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

□ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

□ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of exchange on which registered
American Depositary Shares	BNOX	The Nasdaq Global Market LLC

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company \boxtimes

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. \Box

Item 5.02 Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.

On October 9, 2024, Mr. Aaron Weaver, a member of the Board of Directors of Bionomics Limited (the "Company"), provided the Company's board with notice that he was resigning from the Board of Directors, effective October 9, 2024. Mr. Weaver's resignation does not involve any disagreement on any matter relating to the Company's operations, policies or practices.

The Company thanks Mr. Weaver for his four years of service on the Company's Board of Directors, and wishes him well in all future endeavors.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

BIONOMICS LIMITED

By: /s/ Spyridon Papapetropoulos Spyridon Papapetropoulos President and Chief Executive Officer

Date: October 10, 2024