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

FORM 12b-25

Commission File Number: 333-206723

NOTIFICATION OF LATE FILING

(Check One):  Form 10-K     Form 20-F     Form 11-K     Form 10-Q     Form N-SAR  
 Form N-CSR

For Period Ended: **December 31, 2016**

- Transition Report on Form 10-K
- Transition Report on Form 20-F
- Transition Report on Form 11-K
- Transition Report on Form 10-Q
- Transition Report on Form N-SAR

For Transition Period Ended: \_\_\_\_\_

**Nothing in this form shall be construed to imply that the Commission has verified any information contained herein.**

If the notification relates to a portion of the filing checked above, identify the Item(s) to which the notification relates:

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**PART I - REGISTRANT INFORMATION**

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Full Name of Registrant: PV Nano Cell Ltd.

Former Name if Applicable: \_\_\_\_\_

Address of Principal Executive Office (*Street and Number*): 8 Hamasger Street

City, State and Zip Code: Migdal Ha'Emek, Israel 2310102

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**PART II - RULE 12B-25(B) AND (C)**

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If the subject report could not be filed without unreasonable effort or expense and the registrant seeks relief pursuant to Rule 12b-25(b), the following should be completed. (Check box if appropriate.)

- (a) The reasons described in reasonable detail in Part III of this form could not be eliminated without unreasonable effort or expense;
- (b) The subject annual report, semi-annual report, transition report on Form 10-K, Form 20-F, Form 11-K, Form N-SAR or Form N-CSR, or portion thereof, will be filed on or before the fifteenth calendar day following the prescribed due date; or the subject quarterly report or transition report on Form 10-Q or subject distribution report on Form 10-D, or portion thereof, will be filed on or before the fifth calendar day following the prescribed due date; and
- (c) The accountant's statement or other exhibit required by Rule 12b-25(c) has been attached if applicable.

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**PART III - NARRATIVE**

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State below in reasonable detail why Forms 10-K, 20-F, 11-K, 10-Q, 10-D, N-SAR, N-CSR, or the transition report or portion thereof, could not be filed within the prescribed time period.

The compilation, dissemination and review of the information required to be presented in the Form 20-F for the period ending December 31, 2016 could not be completed and filed by the Registrant without undue hardship and expense to the Registrant. The Registrant is in the process of adding material information to the Form 20-F from its fiscal 2016 annual financial statements and management's discussion and analysis.

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**PART IV - OTHER INFORMATION**

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- (1) Name and telephone number of person to contact in regard to this notification:

**Fernando de la Vega**

(Name)

**(+972) (4)**

(Area Code)

**654-6881**

(Telephone Number)

- (2) Have all other periodic reports required under Section 13 or 15(d) of the Securities Exchange Act of 1934 or Section 30 of the Investment Company Act of 1940 during the preceding 12 months or for such shorter period that the registrant was required to file such report(s) been filed? If answer is no, identify report(s).

Yes     No

- (3) Is it anticipated that any significant change in results of operations from the corresponding period for the last fiscal year will be reflected by the earnings statements to be included in the subject report or portion thereof?

Yes     No

If so, attach an explanation of the anticipated change, both narratively and quantitatively, and, if appropriate, state the reasons why a reasonable estimate of the results cannot be made.

**PV Nano Cell Ltd.**

(Name of Registrant as specified in charter)

has caused this notification to be signed on its behalf by the undersigned thereunto duly authorized.

Date: May 1, 2017

By: /s/ Fernando de la Vega

Name: Dr. Fernando de la Vega

Title: Chief Executive Officer