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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, DC 20549

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**FORM 8-K**

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**CURRENT REPORT**

**Pursuant to Section 13 or 15(d) of  
The Securities Exchange Act of 1934**

**Date of Report (Date of earliest event reported)**  
**May 8, 2018**

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**Pulse Biosciences, Inc.**  
(Exact name of registrant as specified in its charter)

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**Nevada**  
(State or other jurisdiction  
of incorporation)

**001-37744**  
(Commission  
File Number)

**46-5696597**  
(IRS Employer  
Identification No.)

**3957 Point Eden Way**  
**Hayward, California 94545**  
(Address of principal executive offices, including zip code)

**(510) 906-4600**  
(Registrant's telephone number, including area code)

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

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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 (see General Instruction A.2):

- 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))

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

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.

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**ITEM 2.02. RESULTS OF OPERATIONS AND FINANCIAL CONDITION.**

On May 8, 2018, Pulse Biosciences, Inc. announced its financial results for the quarter ended March 31, 2018. A copy of the press release containing the announcement is included as Exhibit 99.1 and is incorporated herein by reference.

This information, as well as Exhibit 99.1, is intended to be furnished under Item 2.02 of Form 8-K, "Results of Operations and Financial Condition" and shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), nor incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such a filing.

**ITEM 9.01. FINANCIAL STATEMENTS AND EXHIBITS**

(d) Exhibits.

<u>Exhibit No.</u>	<u>Description</u>
99.1	<a href="#">Press Release issued by Pulse Biosciences, Inc. dated May 8, 2018</a>

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**SIGNATURE**

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

**Pulse Biosciences, Inc.**

By:                                 /s/ Brian B. Dow                                  
                                Brian B. Dow  
                                Chief Financial Officer, Senior Vice President,  
                                Secretary and Treasurer  
                                (Principal Financial and Principal Accounting Officer)

Date: May 8, 2018

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## PULSE BIOSCIENCES QUARTERLY INVESTOR CONFERENCE CALL

*Conference call today at 1:30 p.m. PDT / 4:30 p.m. EDT*

HAYWARD, Calif. - (BUSINESS WIRE) – May 8, 2018 – Pulse Biosciences, Inc. (Nasdaq: PLSE), a medical technology company developing a proprietary therapeutic tissue treatment based on its Nano-Pulse Stimulation platform, today reported recent corporate developments and financial results for the first quarter ended March 31, 2018.

### Recent Developments

- Expanded management team with key executive hires:
  - Jeff Kmetz, 30-year pharmaceutical executive, joined as **Chief Business Officer**. Mr. Kmetz brings over 30 years of experience within the pharmaceutical industry specializing in oncology at companies including Pharmacyclics and Berlex/Bayer. Mr. Kmetz was instrumental in the launch of IMBRUVICA, Pharmacyclics non-Hodgkin lymphoma drug.
  - William Knape, joined as **Vice President, Clinical, Regulatory and Quality**. Mr. Knape brings 25 years of clinical and regulatory affairs experience overseeing and managing worldwide clinical trials and regulatory strategy. Mr. Knape has led numerous successful regulatory filings with FDA, including 510(k)'s, PMA's, and NDA's.
- Presented favorable data from Pulse Biosciences' first application clinical study evaluating Nano-Pulse Stimulation (NPS) for the treatment of seborrheic keratosis (SK) at the 38<sup>th</sup> American Society for Laser Medicine and Surgery (ASLMS) Conference on Energy-Based Medicine & Science in Dallas, Texas. At the 106-day assessment mark, 82% of treated lesions were evaluated as clear or mostly clear by study investigators, 71% during blinded independent photographic review, and 78% of patients rated lesion outcomes as satisfied or mostly satisfied. No adverse events were reported during the study that included 472 NPS application cycles.
- Awarded “Best of Session for Basic Science and Translational Research” by ASLMS for Pulse Biosciences' clinical study presentation: “A dose-response study of a novel non-thermal method of selectively modifying cellular structure in skin with low energy nanosecond electrical stimulation.”

“We continue to make progress towards our goal of introducing our Nano-Pulse Stimulation technology into areas of unmet dermatological and oncological clinical needs across multiple applications,” said Darrin Uecker, Pulse Biosciences President and Chief Executive Officer. “Leveraging the strong safety profile established to date, favorable data from our recently completed SK study, input from clinical advisors, and a portfolio of potential targets including sebaceous hyperplasia, keloid scars, warts, actinic keratosis, and syringoma, we are now preparing to proceed with multiple studies in parallel commencing in Q2 2018 and beyond to demonstrate the utility of our technology.”

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**Financial Highlights**

**Cash, cash equivalents, and investments** totaled \$33.4 million at March 31, 2018, compared to \$38.1 million at December 31, 2017. Cash use totaled \$4.7 million for the first quarter of 2018 compared to cash use of \$3.9 million for the fourth quarter of 2017. 2018 Cash use is currently anticipated to total \$22 million.

**Operating expenses** for the quarter ended March 31, 2018, totaled \$8.7 million, compared to \$3.2 million for the quarter ended March 31, 2017. The operating expenses for the quarter ended March 31, 2018 included non-cash stock-based compensation of \$3.4 million, compared to non-cash stock-based compensation of \$0.3 million for the quarter ended March 31, 2017.

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## Conference Call Details

Pulse Biosciences will host an investor call on May 8, 2018, at 1:30 p.m. PDT / 4:30 p.m. EDT. The telephone dial-in number for the call is (844) 494-0190 (U.S. toll-free) or (508) 637-5580 (international) using Conference ID 4796365. Listeners will also be able to access the call via webcast available on the Investors section of the Company's website at [www.pulsebiosciences.com](http://www.pulsebiosciences.com).

## About Pulse Biosciences

Pulse Biosciences is a clinical stage electroceutical, an electrical energy based therapeutic, company pursuing commercial applications of its proprietary Nano-Pulse Stimulation (NPS) technology. NPS is a non-thermal, precise, focal, drug-free tissue treatment technology utilizing nanosecond (billionth of a second) range pulsed electric fields that directly affect the cell membrane and intracellular structures and initiates programmed cell death in treated cells. The unique ability of NPS to initiate cell death has the potential to significantly benefit patients in a wide variety of medical applications including applications in immuno-oncology and dermatology, and other potential applications we may pursue in the future. The initiation of programmed cell death by NPS results in a minimal inflammatory response, which improves healing outcomes and supports the replacement of treated tissue cells with healthy tissue cells. In cancerous lesions, NPS has been shown in preclinical models to induce immunogenic cell death (ICD), which exposes the unique antigens of the treated cells to the immune system and enrolls immune system cells, such as cytotoxic T-cells to mount an adaptive immune response. Pulse Biosciences is investigating a variety of applications for its technology that exploits the technology's unique biologic effect, including immuno-oncology and dermatology. More information is available at [www.pulsebiosciences.com](http://www.pulsebiosciences.com).

## Forward-Looking Statements

All statements in this press release that are not historical are forward-looking statements, including, among other things, statements relating to Pulse Biosciences' expectations regarding regulatory clearance and the timing of FDA filings or approvals, the mechanism of action of NPS treatments, current and planned future clinical studies, other matters related to its pipeline of product candidates, future financial performance, anticipated cash use and other future events. These statements are not historical facts but rather are based on Pulse Biosciences' current expectations, estimates, and projections regarding Pulse Biosciences' business, operations and other similar or related factors. Words such as "may," "will," "could," "would," "should," "anticipate," "predict," "potential," "continue," "expects," "intends," "plans," "projects," "believes," "estimates," and other similar or related expressions are used to identify these forward-looking statements, although not all forward-looking statements contain these words. You should not place undue reliance on forward-looking statements because they involve known and unknown risks, uncertainties, and assumptions that are difficult or impossible to predict and, in some cases, beyond Pulse Biosciences' control. Actual results may differ materially from those in the forward-looking statements as a result of a number of factors, including those described in Pulse Biosciences' filings with the Securities and Exchange Commission. Pulse Biosciences undertakes no obligation to revise or update information in this release to reflect events or circumstances in the future, even if new information becomes available.

### Investor Relations:

Brian Dow  
Sr. Vice President and Chief Financial Officer  
[IR@pulsebiosciences.com](mailto:IR@pulsebiosciences.com)

Gitanjali Jain Ogawa  
Solebury Trout  
[gogawa@troutgroup.com](mailto:gogawa@troutgroup.com)  
(646) 378-2949

or

### Media:

Sam Brown, Inc.  
Christy Curran  
[christycurran@sambrown.com](mailto:christycurran@sambrown.com)  
(615) 414-8668

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**PULSE BIOSCIENCES, INC.**

**Consolidated Balance Sheets  
(Unaudited)**

<u>(in thousands)</u>	<u>March 31,</u> <u>2018</u>	<u>December 31,</u> <u>2017</u>
<b>ASSETS</b>		
Current assets:		
Cash and investments	\$ 33,375	\$ 38,069
Prepaid expenses and other current assets	368	412
Total current assets	<u>33,743</u>	<u>38,481</u>
Leasehold improvements and equipment, net of Accumulated depreciation	2,451	2,570
Intangible assets, net of accumulated amortization	5,712	5,878
Goodwill	2,791	2,791
Other assets	101	101
Total assets	<u>\$ 44,798</u>	<u>\$ 49,821</u>
<b>LIABILITIES AND STOCKHOLDERS' EQUITY</b>		
Current liabilities:		
Accounts payable	\$ 944	\$ 782
Accrued expenses	846	1,034
Deferred rent, current	401	397
Total current liabilities	<u>2,191</u>	<u>2,213</u>
Long term liabilities:		
Deferred rent	1,512	1,613
Total liabilities	<u>3,703</u>	<u>3,826</u>
Stockholders' equity:		
Common stock	87,939	84,219
Accumulated other comprehensive loss	(3)	(51)
Accumulated deficit	<u>(46,841)</u>	<u>(38,173)</u>
Total stockholders' equity	<u>41,095</u>	<u>45,995</u>
Total liabilities and stockholders' equity	<u>\$ 44,798</u>	<u>\$ 49,821</u>

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**PULSE BIOSCIENCES, INC.**  
**Condensed Consolidated Statements of Operations**  
**(Unaudited)**

<b>(in thousands, except per share amounts)</b>	<b>Three-Month Periods Ended</b>	
	<b>March 31, 2018</b>	<b>March 31, 2017</b>
Revenue	\$ —	\$ —
Operating expenses:		
General and administrative	5,383	1,344
Research and development	3,175	1,727
Amortization of intangible assets	166	166
Total operating expenses	8,724	3,237
Other income:		
Interest income	56	39
Total other income	56	39
Net loss	\$ (8,668)	\$ (3,198)
Net loss per share:		
Basic and diluted net loss per share	\$ (0.51)	\$ (0.23)
Weighted average shares used to compute net loss per common share — basic and diluted	16,842	13,803

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