

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington, D.C. 20549

**FORM S-8
REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933**

iRhythm Technologies, Inc.

(Exact name of Registrant as specified in its charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

20-8149544
(I.R.S. Employer
Identification Number)

**699 8th Street, Suite 600
San Francisco, California 94103**
(Address of principal executive offices including Zip Code)

**2016 EQUITY INCENTIVE PLAN
2016 EMPLOYEE STOCK PURCHASE PLAN**
(Full title of the plans)

**Douglas J. Devine
Interim Chief Executive Officer and Chief Financial Officer
iRhythm Technologies, Inc.
699 8th Street, Suite 600
California, California 94103
(650) 632-5700**
(Name, address, and telephone number, including area code, of agent for service)

Copy to:
**Philip H. Oettinger
Jesse F. Schumaker
Wilson Sonsini Goodrich & Rosati
Professional Corporation
650 Page Mill Road
Palo Alto, CA 94304-1050
(650) 493-9300**

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input checked="" type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input type="checkbox"/>	Smaller reporting company	<input type="checkbox"/>
Emerging growth company	<input type="checkbox"/>		

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 7(a)(2)(B) of the Securities Act.

CALCULATION OF REGISTRATION FEE

Title of Securities to be Registered	Amount to be Registered(1)	Proposed Maximum Offering Price Per Share	Proposed Maximum Aggregate Offering Price	Amount of Registration Fee
Common Stock \$0.001 par value, reserved for issuance pursuant to 2016 Equity Incentive Plan	1,450,967 shares(2)	\$76.29 (4)	\$110,694,272.43	\$12,076.75
Common Stock \$0.001 par value, reserved for issuance pursuant to 2016 Employee Stock Purchase Plan	435,290 shares(3)	\$64.85 (5)	\$28,228,556.50	\$3,079.74
TOTAL	1,886,257 shares		\$138,922,828.93	\$15,156.49

(1) Pursuant to Rule 416(a) of the Securities Act of 1933, as amended (the "Securities Act"), this Registration Statement on form S-8 (this "Registration Statement") shall also cover any additional shares of iRhythm Technologies, Inc.'s (the "Registrant") common stock that become issuable under the Registrant's 2016 Equity Incentive Plan ("2016 Plan") and the Registrant's 2016 Employee Stock Purchase Plan ("2016 ESPP") by reason of any stock dividend, stock split, recapitalization or other similar transaction effected without receipt of consideration that increases the number of the Registrant's outstanding shares of common stock.

(2) Represents an automatic annual increase of 1,450,967 shares on January 1, 2021 to the number of shares of the Registrant's common stock reserved for issuance under, and which annual increase is provided for in, the 2016 Plan.

(3) Represents an automatic annual increase of 435,290 shares on January 1, 2021 to the number of shares of the Registrant's common stock reserved for issuance under, and which annual increase is provided for in, the 2016 ESPP.

(4) Estimated in accordance with Rules 457(c) and (h) of the Securities Act solely for the purpose of calculating the registration fee on the basis of \$76.29 per share, which represents the average of the high and low prices of the common stock as reported in The Nasdaq Global Select Market on June 1, 2021.

(5) Estimated in accordance with Rule 457(c) and (h) of the Securities Act solely for the purpose of calculating the registration fee on the basis of \$64.85 per share, which represents 85% of the average of the high and low sale prices of the Registrant's common stock as reported on the Nasdaq Global Select Market on June 1, 2021. Pursuant to the 2016 ESPP, which plan is incorporated by reference herein, the purchase price of the shares of the Registrant's common stock will be 85% of the lower of the fair market value of the Registrant's common stock on the first day of the offering period or on the exercise date.

PART I
INFORMATION REQUIRED IN THE SECTION 10(a) PROSPECTUS

The information specified in Item 1 and Item 2 of Part I of Form S-8 is omitted from this Registration Statement on Form S-8 (the “**Registration Statement**”) in accordance with the provisions of Rule 428 under the Securities Act of 1933, as amended (the “**Securities Act**”), and the introductory note to Part I of Form S-8. The documents containing the information specified in Part I of Form S-8 will be delivered to the participants in the equity benefit plans covered by this Registration Statement as specified by Rule 428(b)(1) under the Securities Act.

PART II
INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

Item 3. Incorporation of Documents by Reference.

iRhythm Technologies, Inc. (the “**Registrant**”) hereby incorporates by reference into this Registration Statement the following documents previously filed with the Securities and Exchange Commission (the “**Commission**”):

1. The Registrant’s Annual Report on Form 10-K for the fiscal year ended December 31, 2020, filed with the Commission on February 26, 2021 pursuant to Section 13 of the Securities Exchange Act of 1934, as amended (the “Exchange Act”) (File No. 001-37918);
2. All reports filed pursuant to Section 13(a) or 15(d) of the Exchange Act since the end of the fiscal year covered by the Registrant’s Annual Report referred to in (1) above (other than information in any Current Report on Form 8-K deemed to have been furnished and not filed in accordance with the rules of the Commission and, except as may be noted in any such Form 8-K, exhibits filed on such Form 8-K that are related to such information); and
3. The description of the Registrant’s common stock contained in Exhibit 4.3 to the Registrant’s Annual Report on Form 10-K for the fiscal year ended December 31, 2020, filed with the Commission on February 26, 2021.

All documents filed by the Registrant pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act on or after the date of this Registration Statement and prior to the filing of a post-effective amendment to this Registration Statement that indicate that all securities offered have been sold or that deregisters all securities then remaining unsold shall be deemed to be incorporated by reference in this Registration Statement and to be part hereof from the date of filing of such documents; provided, however, that documents or information deemed to have been furnished and not filed in accordance with the rules of the Commission shall not be deemed incorporated by reference into this Registration Statement.

Any statement contained in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent that a statement contained herein or in any subsequently filed document which also is or is deemed to be incorporated by reference herein modifies or supersedes such statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this Registration Statement.

Item 4. Description of Securities.

Not applicable.

Item 5. Interests of Named Experts and Counsel.

The validity of the issuance of the shares of the Registrant’s common stock offered hereby has been passed upon by Wilson Sonsini Goodrich & Rosati, P.C. (“**WSGR**”).

Item 6. Indemnification of Directors and Officers.

The Registrant’s amended and restated certificate of incorporation contains provisions that eliminate, to the maximum extent permitted by the General Corporation Law of the State of Delaware, the personal liability of the Registrant’s directors and executive officers for monetary damages for breach of their fiduciary duties as directors or officers. The Registrant’s amended and restated certificate of incorporation and bylaws provide that the Registrant must indemnify its directors and executive officers and may indemnify its employees and other agents to the fullest extent permitted by the General Corporation Law of the State of Delaware.

Sections 145 and 102(b)(7) of the General Corporation Law of the State of Delaware provide that a corporation may indemnify any person made a party to an action by reason of the fact that he or she was a director, executive officer, employee or agent of the corporation, or is or was serving at the request of a corporation, against expenses (including attorneys’ fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by him or her in connection with such action if he or she acted in good faith and in a manner he or she reasonably believed to be in, or not opposed to, the best interests of the corporation and, with respect to any criminal action or proceeding, had no reasonable cause to believe his or her conduct was unlawful, except that, in the case of an action by or in right of the corporation, no indemnification may generally be made in respect of any claim as to which such person is adjudged to be liable to the corporation.

The Registrant has entered into indemnification agreements with its directors and executive officers in addition to the indemnification provided for in its amended and restated certificate of incorporation and bylaws and intends to enter into indemnification agreements with any new directors and executive officers in the future.

The Registrant has purchased and intends to maintain insurance on behalf of each and any person who is or was a director or officer of the Registrant against any loss arising from any claim asserted against him or her and incurred by him or her in any such capacity, subject to certain exclusions.

See also the undertakings set out in response to Item 9 herein.

Item 7. Exemption from Registration Claimed.

Not applicable.

Item 8. Exhibits.

See Exhibit Index immediately following the Signature Page.

Item 9. Undertakings.

A. The undersigned Registrant hereby undertakes:

1. To file, during any period in which offers or sales are being made, a post-effective amendment to this Registration Statement:
 - i. to include any prospectus required by Section 10(a)(3) of the Securities Act;
 - ii. to reflect in the prospectus any facts or events arising after the effective date of the Registration Statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the Registration Statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement; and
 - iii. to include any material information with respect to the plan of distribution not previously disclosed in the Registration Statement or any material change to such information in the Registration Statement.

Provided, however, that paragraphs (A)(1)(i) and (A)(1)(ii) above do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in periodic reports filed with or furnished to the Commission by the Registrant pursuant to Section 13 or Section 15(d) of the Exchange Act that are incorporated by reference in this Registration Statement.

2. That, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.
3. To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

B. The undersigned Registrant hereby undertakes that, for purposes of determining any liability under the Securities Act, each filing of the Registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Exchange Act) that is incorporated by reference in the Registration Statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

C. Insofar as indemnification for liabilities arising under the Securities Act may be permitted to the directors, officers and controlling persons of the Registrant pursuant to the foregoing provisions, or otherwise, the Registrant has been advised that in the opinion of the Commission such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer or controlling person of

the Registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

INDEX TO EXHIBITS

Exhibit Number	Description
4.1(1)	Specimen common stock certificate of Registrant
4.2(2)	2016 Equity Incentive Plan and related form agreements
4.3(3)	2016 Employee Stock Purchase Plan and related form agreements
5.1	Opinion of Wilson Sonsini Goodrich & Rosati, Professional Corporation
23.1	Consent of Independent Registered Public Accounting Firm
23.2	Consent of Wilson Sonsini Goodrich & Rosati, Professional Corporation (contained in Exhibit 5.1 hereto)
24.1	Power of Attorney (contained on signature page hereto)

- (1) Incorporated by reference herein to Exhibit 4.1 filed with the Registrant's Registration Statement on Form S-1 (Registration No. 333-213773), filed with the Commission on September 23, 2016.
- (2) Incorporated by reference herein to Exhibit 10.3 filed with Amendment No. 2 to the Registrant's Registration Statement on Form S-1 (Registration No. 333-213773), filed with the Commission on October 7, 2016.
- (3) Incorporated by reference herein to Exhibit 10.4 filed with Amendment No. 2 to the Registrant's Registration Statement on Form S-1 (Registration No. 333-213773), filed with the Commission on October 7, 2016.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of San Francisco, State of California, on June 3, 2021.

IRHYTHM TECHNOLOGIES, INC.

By: /s/ Douglas J. Devine
Douglas J. Devine
Interim Chief Executive Officer and Chief Financial Officer

<u>Name</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Douglas J. Devine</u> Douglas J. Devine	Interim Chief Executive Officer and Chief Financial Officer (Principal Executive Officer and Principal Financial and Accounting Officer)	June 3, 2021
<u>/s/ Bruce G. Bodaken</u> Bruce G. Bodaken	Director	June 3, 2021
<u>/s/ Ralph Snyderman M.D.</u> Ralph Snyderman M.D.	Director	June 3, 2021
<u>C. Noel Bairey Merz, M.D.</u>	Director	June 3, 2021
<u>/s/ Mark J. Rubash</u> Mark J. Rubash	Director	June 3, 2021
<u>/s/ Raymond W. Scott</u> Raymond W. Scott	Director	June 3, 2021
<u>/s/ Renee Budig</u> Renee Budig	Director	June 3, 2021
<u>/s/ Kevin M. King</u> Kevin M. King	Director	June 3, 2021
<u>/s/ Abhijit Y. Talwalkar</u> Abhijit Y. Talwalkar	Director and Chairman of the Board	June 3, 2021

June 3, 2021

iRhythm Technologies, Inc.
699 8th Street, Suite 600
San Francisco, CA 94103

Re: Registration Statement on Form S-8

Ladies and Gentlemen:

We have examined the Registration Statement on Form S-8 (the "**Registration Statement**") to be filed by iRhythm Technologies, Inc., a Delaware corporation, (the "**Company**") with the Securities and Exchange Commission on or about the date hereof, in connection with the registration under the Securities Act of 1933, as amended, of an aggregate of 1,886,257 shares of the Company's common stock, par value \$0.001 per share (the "**Shares**"), consisting of: (i) 1,450,967 shares reserved for issuance under the 2016 Equity Incentive Plan and (ii) 435,290 shares reserved for issuance under the 2016 Employee Stock Purchase Plan (collectively, the "**Plans**"). As the Company's legal counsel, we have reviewed the actions proposed to be taken by the Company in connection with the issuance and sale of the Shares to be issued under the Plans.

On the basis of the foregoing, and in reliance thereon, we are of the opinion that, when issued and sold in the manner described in the Plans and pursuant to the agreements which accompany the Plans, the Shares will be legally and validly issued, fully-paid and non-assessable.

We consent to the use of this opinion as an exhibit to the Registration Statement, and further consent to the use of our name wherever appearing in the Registration Statement and any amendments thereto.

Very truly yours,

WILSON SONSINI GOODRICH & ROSATI
Professional Corporation

/s/ Wilson Sonsini Goodrich & Rosati, P.C.

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in this Registration Statement on Form S-8 of iRhythm Technologies, Inc. of our report dated February 26, 2021 relating to the financial statements and the effectiveness of internal control over financial reporting, which appears in iRhythm Technologies, Inc.'s Annual Report on Form 10-K for the year ended December 31, 2020.

/s/ PricewaterhouseCoopers LLP

San Jose, California

June 3, 2021