

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

Amendment No. 2 to
FORM S-1
REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

DERMATA THERAPEUTICS, INC.

(Exact name of registrant as specified in its charter)

<u>Delaware</u> (State or other jurisdiction of incorporation or organization)	<u>2834</u> (Primary Standard Industrial Classification Code Number)	<u>86-3218736</u> (I.R.S. Employer Identification No.)
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San Diego, CA 92130
Telephone: (858) 800-2543
(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

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**Approximate date of commencement of proposed sale to the public:
As soon as practicable after the effective date of this registration statement.**

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, check the following box: ☒

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering: ☐

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering: ☐

If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering: ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, 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 type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input checked="" type="checkbox"/>	Smaller reporting company	<input checked="" type="checkbox"/>
		Emerging growth company	<input checked="" 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 Section 7(a)(2)(B) of the Securities Act. ☒

The Registrant hereby amends this Registration Statement on such date or dates as may be necessary to delay its effective date until the registrant shall file a further amendment that specifically states that this registration statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933 or until the registration statement shall become effective on such date as the Securities and Exchange Commission, acting pursuant to said Section 8(a), may determine.

EXPLANATORY NOTE

On February 8, 2023, the registrant held a special meeting of stockholders at which the registrant's stockholders approved the adoption of an amendment to the Registrant's Amended and Restated Certificate of Incorporation, as amended (the "Charter"), to effect a reverse stock split of its issued and outstanding shares of common stock, at a specific ratio, ranging from one-for-two (1:2) to one-for-forty (1:40), with the exact ratio to be determined by the Company's board of directors without further approval or authorization of its stockholders (the "Reverse Stock Split"). On March 8, 2023, the board of directors of the registrant determined that the Reverse Split shall be completed as a 1-for-16 reverse stock split, reducing the aggregate number of outstanding shares of common stock from 12,321,848 shares on a pre-reverse-split basis to a total of 770,115 shares outstanding on a post-reverse split basis (subject to adjustment for the rounding down of fractional shares resulting from the Reverse Stock Split). The number of authorized shares of the registrant's common stock will remain unchanged at 250,000,000 shares after the Reverse Stock Split. As a result of the Reverse Stock Split, every sixteen shares of the Registrant's common stock, either issued or outstanding, immediately prior to the filing and effectiveness of the amendment to the Charter which was filed with the Secretary of State of the State of Delaware to effect the Reverse Stock Split, was automatically combined and converted (without any further act) into one share of fully paid and nonassessable share of common stock. No fractional shares of common stock were issued in connection with the Reverse Stock Split, and in lieu of any fractional shares to which a stockholder of record was otherwise entitled as a result of the Reverse Stock Split, the registrant will pay cash (without interest) equal to such fraction multiplied by the average of the closing sales prices of the registrant's common stock on the Nasdaq Capital Market during regular trading hours for the five consecutive trading days immediately preceding the effective date of the Reverse Stock Split (with such average closing sales prices being adjusted to give effect to the Reverse Stock Split).

All share numbers, option numbers, warrant numbers, other derivative security numbers and exercise prices appearing in this registration statement have been adjusted to give effect to the Reverse Stock Split in this filing.

The information contained in this preliminary prospectus is not complete and may be changed. These securities may not be sold until the registration statement filed with the Securities and Exchange Commission is effective. This preliminary prospectus is not an offer to sell these securities and it is not soliciting an offer to buy these securities in any state where the offer or sale is not permitted.



Up to 1,913,875 Shares of Common Stock

Pre-Funded Warrants to Purchase up to 1,913,875 Shares of Common Stock

Common Warrants to Purchase up to 1,913,875 Shares of Common Stock

Shares of Common Stock underlying Pre-Funded Warrants

Up to 1,913,875 Shares of Common Stock underlying Common Warrants

Placement Agent Warrants to Purchase up to 133,971 Shares of Common Stock

Shares of Common Stock Underlying the Placement Agent Warrants

We are offering 1,913,875 shares of common stock, together with warrants to purchase 1,913,875 shares of common stock, each a Common Warrant, at an assumed combined public offering price of \$4.18 per share and Common Warrant (and the shares issuable from time to time upon exercise of the Common Warrants) pursuant to this prospectus. The offering price is equal to the closing price per share of our common stock on The Nasdaq Capital Market ("Nasdaq"), on March 8, 2023, and reflects the price of a share of common stock after the reverse stock split of our outstanding common stock (rounded to the nearest \$0.10). The last reported closing price of our common stock on Nasdaq on March 8, 2023, was \$0.2613 per share (which reflects the price of a share prior to the reverse stock split of our outstanding common stock). The shares of common stock and Common Warrants will be separately issued, but must be purchased together in this offering. The shares of common stock and Common Warrants will be issued to purchasers in the ratio of one-to-one. Each Common Warrant will have an exercise price of \$ per share (representing 100% of the price at which a share of common stock and accompanying Common Warrant are sold to the public in this offering), will be exercisable upon issuance and will expire five years from the date of issuance.

We are also offering pre-funded warrants, or Pre-Funded Warrants, to purchase up to an aggregate of 1,913,875 shares of common stock to those purchasers whose purchase of shares of common stock in this offering would result in the purchaser, together with its affiliates and certain related parties, beneficially owning more than 4.99% (or, at the election of the purchaser, 9.99%) of our outstanding common stock following the consummation of this offering in lieu of the shares of our common stock that would result in ownership in excess of 4.99% (or, at the election of the purchaser, 9.99%). Each Pre-Funded Warrant will be exercisable for one share of common stock at an exercise price of \$0.0001 per share. Each Pre-Funded Warrant is being issued together with the same Common Warrant described above being issued with each share common stock. The assumed combined public offering price for each such Pre-Funded Warrant, together with the Common Warrant, is \$4.1799 which is equal to the closing price of our common stock on Nasdaq on March 8, 2023 (and reflects the reverse stock split of our common stock), less the \$0.0001 per share exercise price of each such Pre-Funded Warrant. Each Pre-Funded Warrant will be exercisable upon issuance and will expire when exercised in full. The Pre-Funded Warrants and Common Warrants are immediately separable and will be issued separately in this offering, but must be purchased together in this offering. For each Pre-Funded Warrant we sell, the number of shares of common stock we are offering will be decreased on a one-for-one basis. This offering also relates to the shares of common stock issuable upon the exercise of the Pre-Funded Warrants and the Common Warrants.

This offering will terminate on _____, unless we decide to terminate the offering (which we may do at any time in our discretion) prior to that date. We will have one closing for all the securities purchased in this offering. The combined public offering price per share (or Pre-Funded Warrant) and Common Warrant will be fixed for the duration of this offering.

We have engaged H.C. Wainwright & Co., LLC, or the placement agent or H.C. Wainwright, to act as our exclusive placement agent in connection with this offering. The placement agent has agreed to use its reasonable best efforts to arrange for the sale of the securities offered by this prospectus. The placement agent is not purchasing or selling any of the securities we are offering and the placement agent is not required to arrange the purchase or sale of any specific number or dollar amount of securities. We have agreed to pay to the placement agent the placement agent fees set forth in the table below, which assumes that we sell all of the securities offered by this prospectus. There is no arrangement for funds to be received in escrow, trust or similar arrangement. There is no minimum offering requirement. We will bear all costs associated with the offering. See “Plan of Distribution” on page 22 of this prospectus for more information regarding these arrangements.

In connection with this offering, we effected a 1-for-16 reverse stock split prior to the pricing of this offering pursuant to which every 16 shares of our issued and outstanding common stock were reclassified as one share of common stock. The reverse stock split will have no impact on the par value of our common stock or the authorized number of shares of our common stock. Unless otherwise indicated, all share and per share information in this prospectus is adjusted to reflect the reverse stock split. However, our annual report on Form 10-K for the year ended December 31, 2022, filed on February 21, 2023, and all other documents incorporated by reference into this prospectus that were filed prior to March 14, 2023, do not give effect to the reverse stock split.

Our common stock and certain of our outstanding warrants are currently listed on Nasdaq under the symbol “DRMA” and “DRMAW,” respectively. On March 8, 2023, the closing price of our common stock on Nasdaq was \$0.2613 per share (which does not reflect the reverse stock split of our outstanding shares of common stock). All share, Common Warrant, and Pre-Funded Warrant numbers are based on an assumed combined public offering price of \$4.18 (which reflects the reverse stock split of our outstanding shares of common stock) per share and the accompanying Common Warrant and \$4.1799 (which reflects the reverse stock split of our outstanding shares of common stock) per Pre-Funded Warrant and the accompanying Common Warrant. There is no established public trading market for the Pre-Funded Warrants or Common Warrants that are part of this offering, and we do not expect a market to develop. We do not intend to apply for listing of the Pre-Funded Warrants or Common Warrants on any securities exchange or other nationally recognized trading system. Without an active trading market, the liquidity of the Pre-Funded Warrants and Common Warrants will be limited.

The actual combined public offering price per share and Common Warrant and the actual combined public offering price per Pre-Funded Warrant and Common Warrant will be determined between us, the placement agent and investors in this offering based on market conditions at the time of pricing and may be at a discount to the current market price of our common stock. Therefore, the recent market price used throughout this prospectus may not be indicative of the final offering price.

You should read this prospectus, together with additional information described under the headings “Information Incorporated by Reference” and “Where You Can Find More Information,” carefully before you invest in any of our securities.

Investing in our securities involves a high degree of risk. See the section entitled “Risk Factors” beginning on page 6 of this prospectus and in the documents incorporated by reference into this prospectus for a discussion of risks that should be considered in connection with an investment in our securities.

	Per Share and Accompanying Common Warrant	Per Pre- Funded Warrant and Accompanying Common Warrant	Total
Public offering price	\$	\$	\$
Placement Agent Fees (1)	\$	\$	\$
Proceeds to us, before expenses (2)	\$	\$	\$

- (1) We have also agreed to reimburse the placement agent for certain of its offering related expenses, including a management fee equal to 1.0% of the aggregate gross proceeds raised in this offering, reimbursement for non-accountable expenses in an amount up to \$50,000, legal fees and expenses in the amount of up to \$100,000, and for its clearing expenses in the amount of \$15,950. In addition, we have agreed to issue the placement agent or its designees warrants to purchase a number of shares of common stock equal to 7.0% of the shares of common stock sold in this offering (including the shares of common stock issuable upon the exercise of the Pre-Funded Warrants), at an exercise price of \$ per share, which represents 125% of the public offering price per share and accompanying Common Warrant. For a description of compensation to be received by the placement agent, see “Plan of Distribution” for more information.
- (2) Because there is no minimum number of securities or amount of proceeds required as a condition to closing in this offering, the actual public offering amount, placement agent fees, and proceeds to us, if any, are not presently determinable and may be substantially less than the total maximum offering amounts set forth above. For more information, see “Plan of Distribution.”

The delivery of the shares of common stock and any Pre-Funded Warrants and Common Warrants to purchasers is expected to be made on or about , 2023, subject to satisfaction of customary closing conditions.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus. Any representation to the contrary is a criminal offense.

H.C. Wainwright & Co.

The date of this prospectus is , 2023.

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ABOUT THIS PROSPECTUS

We incorporate by reference important information into this prospectus. You may obtain the information incorporated by reference without charge by following the instructions under “Where You Can Find More Information.” You should carefully read this prospectus as well as additional information described under “Information Incorporated by Reference,” before deciding to invest in our securities.

We have not, and the placement agent has not, authorized anyone to provide any information or to make any representations other than those contained in this prospectus or in any free writing prospectuses prepared by or on behalf of us or to which we have referred you. We take no responsibility for and can provide no assurance as to the reliability of, any other information that others may give you. This prospectus is an offer to sell only the securities offered hereby, and only under circumstances and in jurisdictions where it is lawful to do so. The information contained in this prospectus or in any applicable free writing prospectus is current only as of its date, regardless of its time of delivery or any sale of our securities. Our business, financial condition, results of operations and prospects may have changed since that date.

The information incorporated by reference or provided in this prospectus contains statistical data and estimates, including those relating to market size and competitive position of the markets in which we participate, that we obtained from our own internal estimates and research, as well as from industry and general publications and research, surveys and studies conducted by third parties. Industry publications, studies and surveys generally state that they have been obtained from sources believed to be reliable. While we believe our internal company research is reliable and the definitions of our market and industry are appropriate, neither this research nor these definitions have been verified by any independent source.

For investors outside the United States: We have not, and the placement agent has not, done anything that would permit this offering or possession or distribution of this prospectus in any jurisdiction where action for that purpose is required, other than in the United States. Persons outside the United States who come into possession of this prospectus must inform themselves about, and observe any restrictions relating to, the offering of the securities and the distribution of this prospectus outside the United States.

This prospectus and the information incorporated by reference into this prospectus contain references to our trademarks and to trademarks belonging to other entities. Solely for convenience, trademarks and trade names referred to in this prospectus and the information incorporated by reference into this prospectus, including logos, artwork, and other visual displays, may appear without the ® or TM symbols, but such references are not intended to indicate, in any way, that we will not assert, to the fullest extent under applicable law, our rights or the rights of the applicable licensor to these trademarks and trade names. We do not intend our use or display of other companies’ trade names or trademarks to imply a relationship with, or endorsement or sponsorship of us by, any other company.

CAUTIONARY NOTE CONCERNING FORWARD-LOOKING STATEMENTS

Except for historical information, this prospectus contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Exchange Act of 1934, as amended. Forward-looking statements include statements with respect to our beliefs, plans, objectives, goals, expectations, anticipations, assumptions, estimates, intentions and future performance, and involve known and unknown risks, uncertainties and other factors, which may be beyond our control, and which may cause our actual results, performance or achievements to be materially different from future results, performance or achievements expressed or implied by such forward-looking statements. All statements other than statements of historical fact are statements that could be forward-looking statements. You can identify these forward-looking statements through our use of words such as “may,” “can,” “anticipate,” “assume,” “should,” “indicate,” “would,” “believe,” “contemplate,” “expect,” “seek,” “estimate,” “continue,” “plan,” “point to,” “project,” “predict,” “could,” “intend,” “target,” “potential” and other similar words and expressions of the future.

There are a number of important factors that could cause the actual results to differ materially from those expressed in any forward-looking statement made by us. These factors include, but are not limited to:

- our lack of operating history;
- the expectation that we will incur significant operating losses for the foreseeable future and will need significant additional capital;
- our current and future capital requirements to support our development and commercialization efforts for our product candidates and our ability to satisfy our capital needs;
- our dependence on our product candidates, which are still in preclinical or early stages of clinical development;
- our ability to acquire sufficient quantities of raw material needed to manufacture our drug product;
- our, or that of our third-party manufacturers, ability to manufacture cGMP quantities of our product candidates as required for pre-clinical and clinical trials and, subsequently, our ability to manufacture commercial quantities of our product candidates;
- our ability to complete required clinical trials for our product candidates and obtain approval from the FDA or other regulatory agencies in different jurisdictions;
- our lack of a sales and marketing organization and our ability to commercialize our product candidates if we obtain regulatory approval;
- our dependence on third-parties to manufacture our product candidates;
- our reliance on third-party CROs to conduct our clinical trials;
- our ability to maintain or protect the validity of our intellectual property;
- our ability to internally develop new inventions and intellectual property;
- interpretations of current laws and the passages of future laws;
- acceptance of our business model by investors;
- the accuracy of our estimates regarding expenses and capital requirements;
- our ability to regain compliance with the continued listing requirements of Nasdaq;
- our ability to adequately support organizational and business growth; and
- the continued spread of COVID-19 and the resulting global pandemic and its impact on our preclinical studies and clinical studies.

The foregoing does not represent an exhaustive list of matters that may be covered by the forward-looking statements contained herein or risk factors that we are faced with that may cause our actual results to differ from those anticipated in such forward-looking statements. The events and circumstances reflected in our forward-looking statements may not be achieved or occur and actual results could differ materially from those projected in the forward-looking statements. You should refer to the “Risk Factors” section of this prospectus for a discussion of important factors that may cause our actual results to differ materially from those expressed or implied by our forward-looking statements. You should review the factors and risks and other information we describe in the reports we will file from time to time with the Securities and Exchange Commission (the “SEC”) after the date of this prospectus.

All forward-looking statements are expressly qualified in their entirety by this cautionary note. You are cautioned to not place undue reliance on any forward-looking statements, which speak only as of the date of this prospectus or the date of the document incorporated by reference into this prospectus. You should read this prospectus and the documents that we reference in this prospectus and have filed as exhibits to the registration statement, of which this prospectus is a part, completely and with the understanding that our actual future results may be materially different from what we expect. We have no obligation, and expressly disclaims any obligation, to update, revise or correct any of the forward-looking statements, whether as a result of new information, future events or otherwise. We have expressed our expectations, beliefs and projections in good faith and believe they have a reasonable basis. However, we cannot assure you that our expectations, beliefs or projections will result or be achieved or accomplished.

PROSPECTUS SUMMARY

This summary highlights information about our company, this offering and information contained in greater detail in other parts of this prospectus or incorporated by reference into this prospectus from our filings with the SEC listed in the section entitled “Information Incorporated by Reference.” Because it is only a summary, it does not contain all of the information that you should consider before purchasing our securities in this offering and it is qualified in its entirety by, and should be read in conjunction with, the more detailed information appearing elsewhere or incorporated by reference into this prospectus. You should read the entire prospectus, the registration statement of which this prospectus is a part, and the information incorporated by reference into this prospectus in their entirety, including the “Risk Factors” and our financial statements and the related notes incorporated by reference into this prospectus, before purchasing our securities in this offering. Except as otherwise indicated herein or as the context otherwise requires, references in this prospectus to “Dermata Therapeutics” “the Company,” “we,” “us” and “our” refer to Dermata Therapeutics, Inc.

Corporate Overview

We are a clinical-stage medical dermatology company focused on identifying, developing, and commercializing innovative pharmaceutical product candidates for the treatment of medical and aesthetic skin conditions and diseases we believe represent significant market opportunities.

Dermatological diseases such as acne vulgaris (or acne), psoriasis vulgaris (or psoriasis), hyperhidrosis, and various aesthetic indications, affect millions of people worldwide each year which may negatively impact their quality of life and emotional well-being. While there are multiple current treatment options for these indications on the market, we believe that most have significant drawbacks, including underwhelming efficacy, cumbersome application regimens and varying negative side effects, all of which we believe lead to decreased patient compliance. A majority of these indications are first treated with topical therapy, however, many patients frequently switch treatments or discontinue treatment altogether due to patient dissatisfaction. This is primarily due to slow and modest response rates, early onset of negative side effects, daily application schedules and long duration of therapy. Given the limitations with current topical therapies, we believe there is a significant opportunity to address the needs of frustrated patients searching for topical products that satisfy their dermatological and lifestyle needs.

Our two product candidates, DMT310 and DMT410, both incorporate our proprietary, multifaceted, *Spongilla* technology to topically treat a variety of dermatological conditions. Our *Spongilla* technology is derived from a naturally grown freshwater sponge, *Spongilla lacustris* or *Spongilla*, which is processed into a powder that is mixed with a fluidizing agent immediately prior to application to form an easily applicable paste. *Spongilla* is a unique freshwater sponge that only grows in commercial quantities in select regions of the world and under specific environmental conditions, all of which give it its distinctive anti-microbial, anti-inflammatory, and mechanical properties. The combination of these environmental conditions, the proprietary harvesting protocols developed with our exclusive supplier, and our post-harvest processing procedures produce a pharmaceutical product candidate that optimizes the mechanical components as well as the chemical components of the sponge to create a product candidate with multiple mechanisms of action for the treatment of inflammatory skin conditions and aesthetic applications.

We believe our *Spongilla* technology platform will enable us to develop and formulate singular and combination products that are able to target the topical delivery of chemical compounds into the dermis for a variety of dermatology indications. We believe the combination of *Spongilla*’s mechanical and chemical components (which we believe have demonstrated, in-vitro, anti-microbial and anti-inflammatory properties), add to the versatility of our *Spongilla* technology platform’s effectiveness as a singular product, in the treatment of a wide variety of medical skin diseases like acne and psoriasis. We also believe the mechanical properties of our *Spongilla* technology allows for the intradermal delivery of a variety of large molecules, like botulinum toxins, monoclonal antibodies, or dermal fillers, to target treatment sites, through topical application without the need for needles.

Our lead product candidate, DMT310, is intended to utilize our *Spongilla* technology for once weekly treatment of a variety of skin diseases, with our initial focus being the treatment of acne vulgaris, which has a U.S. market size of approximately 50 million patients. We have shown DMT310’s ability to treat the multiple causes of acne in a Phase 2b study where we initially saw a 45% reduction in inflammatory lesions after four treatments, with statistically significant improvements at all time points for all three primary endpoints throughout the study (reduction in inflammatory lesions, reduction in non-inflammatory lesions, and improvement in Investigator Global Assessment). Based on this Phase 2b data we are currently preparing for an end of phase 2 meeting with the FDA to finalize requirements prior to initiating a phase 3 program in the second half of 2023. In addition, based on the multiple mechanisms of action and anti-inflammatory effect seen with DMT310 acne trial, we completed a Phase 1b proof of concept, or POC, trial in psoriasis where we saw encouraging results warranting further investigation.

DMT310 consists of two grams of powder processed from the naturally grown freshwater sponge, *Spongilla lacustris*. The patient mixes the powder with a fluidizing agent (hydrogen peroxide) immediately prior to application by the patient to form an easy-to-apply paste. The paste is applied similar to a mud mask and is left on the skin for approximately ten to fifteen minutes, after which time it is washed off with water. Due to the unique combination of DMT310's mechanical components and chemical components, and based on our Phase 2 acne data, we believe patients will only need to apply DMT310 once-weekly to produce a desired treatment effect. The mechanical components of the *Spongilla* powder consist of many microscopic siliceous, needle-like spicules that, when massaged into the skin, penetrate the stratum corneum (the skin's outermost protective layer) and create microchannels into the dermis where pro-inflammatory cytokines and bacteria reside. We believe that the penetration of the spicules also leads to the opening of microchannels, which allow oxygen to enter pilosebaceous glands, helping to kill *C. acnes*, which grow in an anaerobic (without oxygen) environment (*C. acnes* is the bacteria that cause inflammatory lesions in acne patients). The spicules also cause rejuvenation of the top layer of dead skin, thereby increasing collagen production. Additionally, we believe the newly created microchannels provide a conduit for DMT310's naturally occurring chemical compounds to be delivered to the dermis and pilosebaceous glands, helping to kill the *C. acnes* and fight inflammation. In addition to these anti-microbial compounds, DMT310 also appears to have anti-inflammatory chemical compounds, as demonstrated in in vitro experiments, that inhibit inflammation through the reduction of C.acnes stimulated IL-8 production and by inhibiting IL-17A and IL-17F expression in human cell lines. Also, during in vitro studies of DMT310's organic compounds, we observed the inhibition of the lipogenesis of sebocytes, which may translate to a reduction in sebum (an oily and waxy substance produced by the human body's sebaceous glands) production and the oiliness of the skin in patients, which was observed by a number of clinical investigators in our Phase 2 acne studies. We believe the combination of these biological and mechanical effects could be important factors in treating multiple inflammatory skin diseases, as seen in our clinical trials.

Our second product candidate utilizing our *Spongilla* technology is DMT410, our combination treatment. DMT410 is intended to consist of one treatment of our proprietary sponge powder followed by one topical application of botulinum toxin for delivery into the dermis. Currently, botulinum toxin is only approved to be delivered to the dermis by intradermal injections, which can be painful for the patient and time-consuming for the physician. However, we believe DMT410's ability to topically deliver botulinum toxin into the dermis could have similar levels of efficacy to existing delivery techniques, with fewer tolerability issues, and a quicker application time, possibly replacing the need for intradermal injections. We first tested DMT410 in a Phase 1 POC trial of axillary hyperhidrosis patients, which saw 80% of patients achieve a reduction in gravimetric sweat production greater than 50% four weeks after a single treatment. With almost 40% of the hyperhidrosis market currently being treated with intradermal injections of botulinum toxin, we believe there could be significant opportunity for DMT410 to break into this market and replace intradermal injections of botulinum toxin. Based on DMT410's ability to effectively deliver botulinum toxin to the dermis as observed in the Phase 1 axillary hyperhidrosis trial, we also conducted a Phase 1 POC trial of DMT410 for the treatment of multiple aesthetic skin conditions, including reduction of pore size, sebum production, and fine lines, among others. In November 2021, we announced top-line results from this trial, where we saw promising data that we believe warrants further investigation of DMT410. We are currently in the process of discussing partnering opportunities with botulinum toxin companies to move the DMT410 program into Phase 2 studies.

Nasdaq Minimum Bid Price Requirement

On June 17, 2022, we received a letter from Nasdaq's Listing Qualifications Staff indicating that, based upon the closing bid price of our common stock for the preceding 30 consecutive business days, we were not in compliance with the requirement to maintain a minimum bid price of \$1.00 per share for continued listing on Nasdaq, as set forth in Nasdaq Listing Rule 5550(a)(2) (the "Notice"). We were provided a compliance period of 180 calendar days from the date of the Notice, or until December 14, 2022, to regain compliance with the minimum closing bid price requirement, pursuant to Nasdaq Listing Rule 5810(c)(3)(A). On December 15, 2022, we were provided an additional compliance period of 180 calendar days, or until June 12, 2023, to regain compliance with the minimum closing bid price requirement.

We will continue to monitor the closing bid price of our common stock and seek to regain compliance with all applicable Nasdaq requirements within the allotted compliance periods and may, if appropriate, consider available options, including implementation of a reverse stock split of our common stock, to regain compliance with the minimum closing bid price requirement.

Reverse Stock Split

On February 8, 2023, we held a special meeting of stockholders at which our stockholders approved the adoption of an amendment to our Amended and Restated Certificate of Incorporation, as amended (the "Charter"), to effect a reverse stock split of our issued and outstanding shares of common stock, at a specific ratio, ranging from one-for-two (1:2) to one-for-forty (1:40), with the exact ratio to be determined by the Company's board of directors without further approval or authorization of our stockholders (the "Reverse Stock Split").

In connection with this offering, we effected the Reverse Stock Split of our shares of common stock at a ratio of 1-for-16 prior to the pricing of this offering and the effective date of the registration statement of which this prospectus forms a part. No fractional shares of common stock were issued in connection with the Reverse Stock Split, and in lieu of any fractional shares to which a stockholder of record was otherwise entitled as a result of the Reverse Stock Split, we will pay cash (without interest) equal to such fraction multiplied by the average of the closing sales prices of our common stock on Nasdaq during regular trading hours for the five consecutive trading days immediately preceding the effective date of the Reverse Stock Split (with such average closing sales prices being adjusted to give effect to the Reverse Stock Split). The Reverse Stock Split requires that proportionate adjustments be made to the conversion rate, the per share exercise price and the number of shares issuable upon the vesting, exercise or conversion of outstanding derivative securities issued by us.

Unless noted otherwise, all information presented in this prospectus, including the share and per share information, assumes that the Reverse Stock Split of our outstanding shares of common stock has occurred.

Implications of Being an Emerging Growth Company

We are an emerging growth company as defined in the Jumpstart Our Business Startups Act of 2012. We will remain an emerging growth company until the earliest to occur of: the last day of the fiscal year in which we have more than \$1.235 billion in annual revenues; the date we qualify as a “large accelerated filer”; the issuance, in any three-year period, by us of more than \$1.0 billion in non-convertible debt securities; and the last day of the fiscal year ending after the fifth anniversary of our first sale of common equity securities pursuant to a U.S. registration.

As an emerging growth company, we may take advantage of certain exemptions from various reporting requirements that are applicable to other publicly traded entities that are not emerging growth companies. These exemptions include: (i) the option to present only two years of audited financial statements and related discussion in the section titled “Management’s Discussion and Analysis of Financial Condition and Results of Operations” in our filings with the SEC; (ii) not being required to comply with the auditor attestation requirements of Section 404(b) of the Sarbanes-Oxley Act of 2002; (iii) not being required to comply with any requirement that may be adopted by the Public Company Accounting Oversight Board, or PCAOB, regarding mandatory audit firm rotation or a supplement to the auditor’s report providing additional information about the audit and the financial statements (i.e., an auditor discussion and analysis); (iv) not being required to submit certain executive compensation matters to shareholder advisory votes, such as “say-on-pay,” “say-on-frequency,” and “say-on-golden parachutes”; and (v) not being required to disclose certain executive compensation related items such as the correlation between executive compensation and performance and comparisons of the chief executive officer’s compensation to median employee compensation.

Corporate Information

We were formed as a Delaware limited liability company under the name Dermata Therapeutics, LLC in December 2014. On March 24, 2021, we converted into a Delaware corporation and changed our name to Dermata Therapeutics, Inc.

“Dermata” and our other common law trademarks, service marks or trade names appearing herein are the property of Dermata Therapeutics, Inc. We do not intend the use or display of other companies’ trademarks and trade names to imply a relationship with, or endorsement or sponsorship of us by, any other companies.

Our principal offices are located at 3525 Del Mar Heights Rd., #322, San Diego, CA, 92130 and our telephone number is (858) 800-2543. Our website address is www.dermatarx.com.

Information contained in, or accessible through, our website does not constitute part of this prospectus or registration statement and inclusions of our website address in this prospectus or registration statement are inactive textual references only. You should not rely on any such information in making your decision whether to purchase our securities.

THE OFFERING

Common Stock to be Offered	1,913,875 shares based on the sale of our common stock at an assumed combined public offering price of \$4.18 per share of common stock and accompanying Common Warrant, which is the closing price of our common stock on March 8, 2023, and no sale of any Pre-Funded Warrants.
Pre-Funded Warrants to be Offered	<p>We are also offering to certain purchasers whose purchase of shares of common stock in this offering would otherwise result in the purchaser, together with its affiliates and certain related parties, beneficially owning more than 4.99% (or, at the election of the purchaser, 9.99%) of our outstanding common stock immediately following the consummation of this offering, the opportunity to purchase, if such purchasers so choose, Pre-Funded Warrants to purchase shares of common stock, in lieu of shares of common stock that would otherwise result in any such purchaser's beneficial ownership exceeding 4.99% (or, at the election of the purchaser, 9.99%) of our outstanding common stock. Each Pre-Funded Warrant will be exercisable for one share of our common stock. The purchase price of each Pre-Funded Warrant and accompanying Common Warrant will equal the price at which the share of common stock and accompanying Common Warrant are being sold to the public in this offering, minus \$0.0001, and the exercise price of each Pre-Funded Warrant will be \$0.0001 per share. The Pre-Funded Warrants will be exercisable immediately and may be exercised at any time until all of the Pre-Funded Warrants are exercised in full.</p> <p>This offering also relates to the shares of common stock issuable upon exercise of the Pre-Funded Warrants sold in this offering. For each Pre-Funded Warrant we sell, the number of shares of common stock we are offering will be decreased on a one-for-one basis. Because we will issue a Common Warrant for each share of our common stock and for each Pre-Funded Warrant to purchase one share of our common stock sold in this offering, the number of Common Warrants sold in this offering will not change as a result of a change in the mix of the shares of our common stock and Pre-Funded Warrants sold.</p>
Common Warrants to be Offered	<p>Each share of our common stock and each Pre-Funded Warrant to purchase one share of our common stock is being sold together with a Common Warrant to purchase one share of our common stock. Each Common Warrant will have an exercise price of \$ per share (representing 100% of the price at which a share of common stock and accompanying Common Warrant are sold to the public in this offering), will be immediately exercisable and will expire on the fifth anniversary of the original issuance date.</p> <p>The shares of common stock and Pre-Funded Warrants, and the accompanying Common Warrants, as the case may be, can only be purchased together in this offering but will be issued separately and will be immediately separable upon issuance. This prospectus also relates to the offering of the shares of common stock issuable upon exercise of the Common Warrants.</p>

Placement Agent Warrants	We have agreed to issue to the placement agent or its designees warrants, or the placement agent warrants, to purchase up to 7.0% of the aggregate number of shares of common stock sold in this offering (or common stock equivalent but excluding the shares of common stock underlying the Common Warrants (other than the Pre-Funded Warrants) issued in this offering), at an exercise price equal to 125% of the public offering price per share and accompanying Common Warrant to be sold in this offering. The placement agent warrants will be exercisable upon issuance and will expire five years from the commencement of sales under this offering.
Common Stock to be Outstanding Immediately After this Offering⁽¹⁾	2,683,990 shares, (assuming we sell only shares of common stock and no Pre-Funded Warrants and assuming no exercise of the Common Warrants).
Use of Proceeds	<p>We estimate that the net proceeds from this offering will be approximately \$7.0 million, based on an assumed combined public offering price of \$4.18 per share of common stock and accompanying Common Warrants which was the closing price of our common stock on Nasdaq on March 8, 2023, after deducting the placement agent fees and estimated offering expenses payable by us, and assuming we sell only shares of common stock and no Pre-Funded Warrants and excluding the proceeds, if any, from the exercise of the Common Warrants in this offering.</p> <p>We currently intend to use the net proceeds from the offering for general corporate purposes, which includes, without limitation, ongoing research and pre-clinical studies, clinical trials, the development of new biological and pharmaceutical technologies, investing in or acquiring companies that are synergistic with or complementary to our technologies, licensing activities related to our current and future product candidates, and to the development of emerging technologies, investing in or acquiring companies that are developing emerging technologies, licensing activities, or the acquisition of other businesses and working capital. See “Use of Proceeds” for additional information.</p>
Risk Factors	An investment in our securities involves a high degree of risk. See “Risk Factors” beginning on page 6 of this prospectus and the other information included and incorporated by reference in this prospectus for a discussion of the risk factors you should carefully consider before deciding to invest in our securities.
National Securities Exchange Listing	Our common stock and certain of our outstanding warrants are currently listed on Nasdaq under the symbols “DRMA” and “DRMAW,” respectively. There is no established public trading market for the Pre-Funded Warrants or Common Warrants, and we do not expect a market to develop. In addition, we do not intend to apply to list the Pre-Funded Warrants or Common Warrants on any national securities exchange or other nationally recognized trading system. Without an active trading market, the liquidity of the Pre-Funded Warrants and Common Warrants will be limited.

(1) The above discussion and table are based on 770,115 shares outstanding as of March 8, 2023 (subject to adjustment based on the rounding down of fractional shares resulting from the Reverse Stock Split), and excludes:

- 102,074 shares of common stock issuable upon exercise of stock options, at a weighted-average exercise price of \$40.77 per share;
- 184,820 shares of common stock issuable upon exercise of warrants issued in our initial public offering, at an exercise price of \$112.00 per share;
- 8,035 shares of common stock issuable upon exercise of warrants issued to the underwriters in our initial public offering, at an exercise price of \$128.80 per share;
- 235,849 shares of common stock issuable upon exercise of warrants issued in our April 2022 private placement offering, at an exercise price of \$21.20 per share;
- 8,398 shares of common stock issuable upon exercise of other warrants outstanding, at a weighted-average exercise price of \$213.35 per share;
- 78 shares of our common stock that are available for future issuance under our 2021 Equity Incentive Plan (the “2021 Plan”) or shares that will become available under our 2021 Plan;
- the shares of common stock issuable upon exercise of the Common Warrants and/or Pre-Funded Warrants to be issued to investors in this offering; and
- the shares of common stock issuable upon the exercise of warrants to be issued to the placement agent or its designees in connection with this offering.

RISK FACTORS

Before purchasing any of the securities you should carefully consider the risk factors set forth below and incorporated by reference in this prospectus from our Annual Report on Form 10-K for the fiscal year ended December 31, 2022, and any subsequent updates described in our Quarterly Reports on Form 10-Q and Current Reports on Form 8-K, as well as the risks, uncertainties and additional information set forth in our SEC reports on Forms 10-K, 10-Q, and 8-K and in the other documents incorporated by reference in this prospectus. For a description of these reports and documents, and information about where you can find them, see “Additional Information” and “Incorporation of Certain Information By Reference.” Additional risks not presently known or that we presently consider to be immaterial could subsequently materially and adversely affect our financial condition, results of operations, business, and prospects.

We will require additional capital to fund our operations, and if we fail to obtain necessary financing, we may not be able to complete the development and commercialization of our drugs.

We believe that our existing cash, together with interest thereon, will be sufficient to fund our operations into the third quarter of 2023. We have based these estimates, however, on assumptions that may prove to be wrong, and we could spend our available capital resources much faster than we currently expect or require more capital to fund our operations than we currently expect. Our currently anticipated expenditures for the development of our product candidates, DMT310 and DMT410, exceed our existing cash resources. Even after the completion of this offering, we will need to raise additional capital to fund our operations and continue to support our planned development and commercialization activities.

We have broad discretion in the use of the net proceeds from this offering and may not use them effectively.

Our management will have broad discretion in the application of the net proceeds, including for any of the purposes described in the section of this prospectus entitled “Use of Proceeds”. You will be relying on the judgment of our management with regard to the use of these net proceeds, and you will not have the opportunity, as part of your investment decision, to assess whether the net proceeds are being used appropriately. The failure by our management to apply these funds effectively could result in financial losses that could have a material adverse effect on our business, cause the price of our securities to decline and delay the development of our product candidates. Pending the application of these funds, we may invest the net proceeds from this offering in a manner that does not produce income or that loses value.

Our failure to maintain compliance with Nasdaq's continued listing requirements could result in the delisting of our common stock and/or our Warrants.

We received the Notice from the Listing Qualifications Staff of Nasdaq and we were provided a compliance period of 180 calendar days from the date of the Notice, or until December 14, 2022, to regain compliance with the minimum closing bid price requirement, pursuant to Nasdaq Listing Rule 5810(c)(3)(A). On December 15, 2022, we were provided an additional compliance period of 180 calendar days, or until June 12, 2023, to regain compliance with the minimum closing bid price requirement.

We will continue to monitor the closing bid price of our common stock and seek to regain compliance with all applicable Nasdaq requirements within the allotted compliance periods and may, if appropriate, consider available options, including implementation of a reverse stock split of our common stock, to regain compliance with the minimum closing bid price requirement. If we seek to implement a reverse stock split in order to remain listed on Nasdaq, the announcement or implementation of such a reverse stock split could negatively affect the price of our common stock and/or warrants. If we do not regain compliance within the allotted compliance periods, including any extensions that may be granted by Nasdaq, Nasdaq will provide notice that our common stock and warrants will be subject to delisting. We would then be entitled to appeal that determination to a Nasdaq hearings panel. There can be no assurance that we will regain compliance with the minimum bid price requirement during the 180-day compliance period or maintain compliance with the other Nasdaq listing requirements. A delisting could substantially decrease trading in our common stock and warrants, adversely affect the market liquidity of our common stock and warrants as a result of the loss of market efficiencies associated with Nasdaq and the loss of federal preemption of state securities laws, adversely affect our ability to obtain financing on acceptable terms, if at all, and may result in the potential loss of confidence by investors, suppliers, customers and employees and fewer business development opportunities. Additionally, the market price of our common stock and/or our warrants may decline further and stockholders may lose some or all of their investment.

Further, even if the anticipated Reverse Stock Split increased the market price of our common stock sufficiently so that we comply with Nasdaq's minimum bid price rule, no assurance can be given that we will be able to comply with the other standards that we are required to meet in order to maintain a listing on such exchange and no assurance can be given that the price of our common stock will not again be in violation of Nasdaq's minimum bid price rule in the future. Our failure to meet these requirements may result in our securities being delisted from Nasdaq.

The Reverse Stock Split may decrease the liquidity of the shares of our common stock and warrants.

The liquidity of our common stock and certain of our warrants may be affected adversely by the Reverse Stock Split given the reduced number of shares of our common stock that are outstanding following the Reverse Stock Split, especially if the market price of our common stock does not increase as a result of the Reverse Stock Split. In addition, the Reverse Stock Split may increase the number of stockholders who own odd lots (less than 100 shares) of our common stock, creating the potential for such stockholders to experience an increase in the cost of selling their shares of common stock and greater difficulty effecting such sales.

Following the Reverse Stock Split, the resulting market price of our common stock may not attract new investors, including institutional investors, and may not satisfy the investing requirements of those investors. Consequently, the trading liquidity of our common stock may not improve.

Although we believe that a higher market price of our common stock may help generate greater or broader investor interest, there can be no assurance that the Reverse Stock Split will result in a share price that will attract new investors, including institutional investors. In addition, there can be no assurance that the market price of our common stock will satisfy the investing requirements of those investors. As a result, the trading liquidity of our common stock may not necessarily improve.

Purchasers who purchase our securities in this offering pursuant to a securities purchase agreement may have rights not available to purchasers that purchase without the benefit of a securities purchase agreement.

In addition to rights and remedies available to all purchasers in this offering under federal securities and state law, the purchasers that enter into a securities purchase agreement will also be able to bring claims of breach of contract against us. The ability to pursue a claim for breach of contract provides those investors with the means to enforce the covenants uniquely available to them under the securities purchase agreement including: (i) timely delivery of shares; (ii) agreement to not enter into variable rate financings for one year from closing, subject to certain exceptions; (iii) agreement to not enter into any financings for sixty (60) days from closing; and (iv) indemnification for breach of contract.

Additionally, in connection with this offering, we may agree to amend the terms of certain of our outstanding warrants held by certain significant purchasers in this offering who will enter into the securities purchase agreement. Any such amendments may, among other things, decrease the exercise prices to be the same as the exercise prices of the Common Warrants offered in this offering, or increase the term of exercise of those warrants.

There is no public market for the Common Warrants or Pre-Funded Warrants being offered by us in this offering.

There is no established public trading market for the Common Warrants or the Pre-Funded Warrants, and we do not expect a market to develop. In addition, we do not intend to apply to list the Common Warrants or Pre-Funded Warrants on any national securities exchange or other nationally recognized trading system. Without an active market, the liquidity of the Common Warrants and Pre-Funded Warrants will be limited.

The Common Warrants and Pre-Funded Warrants are speculative in nature.

The Common Warrants and Pre-Funded Warrants offered hereby do not confer any rights of share of common stock ownership on their holders, such as voting rights or the right to receive dividends, but rather merely represent the right to acquire shares of common stock at a fixed price. Specifically, commencing on the date of issuance, holders of the Common Warrants may acquire the shares of common stock issuable upon exercise of such warrants at an exercise price of \$ per share of common stock, and holders of the Pre-Funded Warrants may acquire the shares of common stock issuable upon exercise of such warrants at an exercise price of \$0.0001 per share of common stock. Moreover, following this offering, the market value of the Common Warrants and Pre-Funded Warrants is uncertain and there can be no assurance that the market value of the Common Warrants or Pre-Funded Warrants will equal or exceed their respective public offering prices. There can be no assurance that the market price of the shares of common stock will ever equal or exceed the exercise price of the Common Warrants or Pre-Funded Warrants, and consequently, whether it will ever be profitable for holders of Common Warrants to exercise the Common Warrants or for holders of the Pre-Funded Warrants to exercise the Pre-Funded Warrants.

Holders of the Pre-Funded Warrants and the Common Warrants offered hereby will have no rights as common stockholders with respect to the shares our common stock underlying the warrants until such holders exercise their warrants and acquire our common stock, except as otherwise provided in the Pre-Funded Warrants and the Common Warrants.

Until holders of the Common Warrants and the Pre-Funded Warrants acquire shares of our common stock upon exercise thereof, such holders will have no rights with respect to the shares of our common stock underlying such warrants, except to the extent that holders of such Common Warrants and Pre-Funded Warrants will have certain rights to participate in distributions or dividends paid on our common stock as set forth in the Common Warrants and the Pre-Funded Warrants. Upon exercise of the Common Warrants and the Pre-Funded Warrants, the holders will be entitled to exercise the rights of a common stockholder only as to matters for which the record date occurs after the exercise date.

This is a best efforts offering, with no minimum amount of securities is required to be sold, and we may not raise the amount of capital we believe is required for our business plans, including our near-term business plans.

The placement agent has agreed to use its reasonable best efforts to solicit offers to purchase the securities in this offering. The placement agent has no obligation to buy any of the securities from us or to arrange for the purchase or sale of any specific number or dollar amount of the securities. There is no required minimum number of securities that must be sold as a condition to completion of this offering. Because there is no minimum offering amount required as a condition to the closing of this offering, the actual offering amount, placement agent fees and proceeds to us are not presently determinable and may be substantially less than the maximum amounts set forth above. We may sell fewer than all of the securities offered hereby, which may significantly reduce the amount of proceeds received by us, and investors in this offering will not receive a refund in the event that we do not sell an amount of securities sufficient to support our continued operations, including our near-term continued operations. Thus, we may not raise the amount of capital we believe is required for our operations in the short-term and may need to raise additional funds, which may not be available or available on terms acceptable to us.

We currently, and may in the future, have assets held at financial institutions that may exceed the insurance coverage offered by the Federal Deposit Insurance Corporation ("FDIC"), the loss of which would have a severe negative affect on our operations and liquidity.

We currently have our cash and cash equivalents held in deposit and cash sweep accounts at Silicon Valley Bank ("SVB"). The amounts held in the deposit accounts were in excess of the insurance coverage offered by the FDIC and we believe that the amounts in the cash sweep account continue to be our assets and not the assets of SVB. On March 10, 2023, SVB was closed by the California Department of Financial Protection and Innovation, which appointed FDIC as receiver. On March 12, 2023, the FDIC, the Federal Reserve and the Department of the Treasury announced that all assets held at SVB would be available to all customers commencing March 13, 2023. We have initiated the transfer of all such assets from SVB to be deposited in our accounts at Morgan Stanley .

In the future, we may maintain our cash assets at financial institutions in the U.S. in amounts that may be in excess of the FDIC insurance limit of \$250,000. In the event of a failure of any of these financial institutions where we maintain our deposits or other assets, we may incur a loss to the extent such loss exceeds the FDIC insurance limitation, which could have a material adverse effect upon our liquidity, financial condition and our results of operations.

USE OF PROCEEDS

We estimate that the net proceeds from the offering will be approximately \$7.0 million, assuming a combined public offering price per share of common stock and accompanying Common Warrant of \$4.18, the closing price per share of our common stock on Nasdaq on March 8, 2023, after deducting the placement agent fees and estimated offering expenses payable by us, assuming no sale of any fixed combinations of Pre-Funded Warrants and Common Warrants offered hereunder and excluding the proceeds, if any, from the exercise of the Common Warrants issued in this offering. If the Common Warrants are exercised in full for cash, the estimated net proceeds will increase to \$ million. However, because this is a best efforts offering and there is no minimum offering amount required as a condition to the closing of this offering, the actual offering amount, the placement agent's fees and net proceeds to us are not presently determinable and may be substantially less than the maximum amounts set forth on the cover page of this prospectus. In addition, we may receive proceeds from the exercise of the placement agent warrants, to the extent such placement agent warrants are exercised for cash, but we will not receive any proceeds from any sale of the shares underlying the placement agent warrants.

We intend to use the net proceeds from the offering for general corporate purposes, which includes, without limitation, ongoing research and pre-clinical studies, clinical trials, the development of new biological and pharmaceutical technologies, investing in or acquiring companies that are synergistic with or complementary to our technologies, licensing activities related to our current and future product candidates, and to the development of emerging technologies, investing in or acquiring companies that are developing emerging technologies, licensing activities, or the acquisition of other businesses and working capital. The amounts and timing of these expenditures will depend on numerous factors, including the development of our current business initiatives. We have no specific acquisition contemplated at this time. As of the date of this prospectus, we cannot specify with certainty all of the particular uses for the net proceeds from this offering. The amounts and timing of our actual expenditures will depend on numerous factors, including factors described under "Risk Factors" in this prospectus and the documents incorporated by reference herein and therein.

DESCRIPTION OF CAPITAL STOCK

The following summary of the rights of our capital stock is not complete and is subject to and qualified in its entirety by reference to our Charter and Bylaws, copies of which are filed as exhibits to our Annual Report on Form 10-K for the year ended December 31, 2022, filed with the SEC on February 21, 2023, and the forms of securities, copies of which are filed as exhibits to the registration statement of which this prospectus forms a part, which are incorporated by reference herein.

General

We have 260,000,000 shares of capital stock authorized under our amended and restated certificate of incorporation, consisting of 250,000,000 shares of common stock with a par value of \$0.0001 per share and 10,000,000 shares of preferred stock with a par value of \$0.0001 per share. As of March 8, 2023, there were 770,115 shares of common stock outstanding (subject to adjustment based on the rounding down of fractional shares resulting from the Reverse Stock Split). In addition, as of March 8, 2023, we had outstanding options to purchase an aggregate of 102,074 shares of our common stock under the 2021 Plan, at a weighted average exercise price equal to \$40.77 per share. Our authorized but unissued shares of common stock and preferred stock are available for issuance without further action by our stockholders, unless such action is required by applicable law or the rules of any stock exchange or automated quotation system on which our securities may be listed or traded in the future.

Common Stock

Holders of our common stock are entitled to such dividends as may be declared by our board of directors out of funds legally available for such purpose. The shares of common stock are neither redeemable nor convertible. Holders of common stock have no preemptive or subscription rights to purchase any of our securities.

Each holder of our common stock is entitled to one vote for each such share outstanding in the holder's name. No holder of common stock is entitled to cumulate votes in voting for directors.

In the event of our liquidation, dissolution or winding up, the holders of our common stock are entitled to receive pro rata our assets, which are legally available for distribution, after payments of all debts and other liabilities. All of the outstanding shares of our common stock are fully paid and non-assessable.

Preferred Stock

Our board of directors has the authority, without further action by our stockholders, to issue up to 10,000,000 shares of preferred stock in one or more classes or series and to fix the designations, rights, preferences, privileges and restrictions thereof, without further vote or action by the stockholders. These rights, preferences and privileges could include dividend rights, conversion rights, voting rights, terms of redemption, liquidation preferences, sinking fund terms and the number of shares constituting, or the designation of, such class or series, any or all of which may be greater than the rights of common stock. The issuance of our preferred stock could adversely affect the voting power of holders of common stock and the likelihood that such holders will receive dividend payments and payments upon our liquidation. In addition, the issuance of preferred stock could have the effect of delaying, deferring or preventing a change in control of our company or other corporate action. No shares of preferred stock are currently outstanding, and we have no present plan to issue any shares of preferred stock.

IPO Warrants

The following summary of certain terms and provisions of our Common Stock Purchase Warrants ("IPO Warrants") is not complete and is subject to, and qualified in its entirety by the provisions of the Warrant Agent Agreement and form of IPO Warrant which are filed as exhibits to our annual report. We encourage you to review the terms and provisions set forth in the Warrant Agency Agreement and form of IPO Warrant. The IPO Warrants are administered by Direct Transfer, LLC, as warrant agent.

We currently have outstanding IPO Warrants issued in connection with our initial public offering (the "IPO"). The IPO Warrants entitle the registered holders to purchase common stock at a price equal to \$112.00 per share, subject to adjustment as discussed below, immediately following the issuance of such IPO Warrants and terminating at 5:00 p.m., New York City time, five years after the closing of our IPO, or August 17, 2026.

The exercise price and number of shares of common stock issuable upon exercise of the IPO Warrants may be adjusted in certain circumstances, including in the event of a stock dividend or recapitalization, reorganization, merger or consolidation. However, the IPO Warrants will not be adjusted for issuances of shares of common stock at prices below its exercise price.

Exercisability. The IPO Warrants are exercisable immediately upon issuance and at any time up to the date that is five years from the date of issuance. The IPO Warrants will be exercisable, at the option of each holder, in whole or in part by delivering to us a duly executed exercise notice accompanied by payment in full for the number of shares of common stock purchased upon such exercise. Each IPO Warrant entitles the holder thereof to purchase one share of common stock. IPO Warrants are not exercisable for a fraction of a share and may only be exercised into whole numbers of shares. In lieu of fractional shares, we will pay the holder an amount in cash equal to the fractional amount multiplied by the exercise price and rounded down to the nearest whole share. Unless otherwise specified in the IPO Warrant, the holder will not have the right to exercise the IPO Warrants, in whole or in part, if the holder (together with its affiliates) would beneficially own in excess of 4.99% (or 9.99% at the holder's election) of the number of our shares of common stock outstanding immediately after giving effect to the exercise, as such percentage is determined in accordance with the terms of the IPO Warrant. However, any holder may increase or decrease such percentage to any other percentage not in excess of 9.99% upon at least 61 days prior notice from the holder to us.

Exercise Price. The exercise price per share of common stock purchasable upon exercise of the IPO Warrants is \$112.00 per share, and is subject to adjustments for stock splits, reclassifications, subdivisions, and other similar transactions. In addition to the exercise price per share of common stock, and other applicable charges and taxes are due and payable upon exercise.

IPO Warrant Agent; Global Certificate. The IPO Warrants are issued in registered form under a warrant agency agreement between a warrant agent and us. The IPO Warrants are represented only by one or more global warrants deposited with the warrant agent, as custodian on behalf of The Depository Trust Company, or DTC, and registered in the name of Cede & Co., a nominee of DTC, or as otherwise directed by DTC.

Transferability. Subject to applicable laws, the IPO Warrants may be transferred at the option of the holders upon surrender of the IPO Warrants to the warrant agent, together with the appropriate instruments of transfer.

Exchange Listing. The IPO Warrants are listed on Nasdaq under the symbol "DRMAW."

Adjustments; Fundamental Transaction. The exercise price and the number of shares underlying the IPO Warrants are subject to appropriate adjustment in the event of stock splits, stock dividends on our common shares, stock combinations or similar events affecting our common shares. In addition, in the event we consummate a merger or consolidation with or into another person or other reorganization event in which our common shares are converted or exchanged for securities, cash or other property, or we sell, lease, license, assign, transfer, convey or otherwise dispose of all or substantially all of our assets or we or another person acquire 50% or more of our outstanding common shares (each, a Fundamental Transaction), then following such Fundamental Transaction the holders of the IPO Warrants will be entitled to receive upon exercise of the IPO Warrants the same kind and amount of securities, cash or property which the holders would have received had they exercised the Warrants immediately prior to such Fundamental Transaction. Any successor to us or surviving entity will assume the obligations under the IPO Warrants. Additionally, as more fully described in the IPO Warrant, in the event of certain Fundamental Transactions, the holders of the IPO Warrants will be entitled to receive consideration in an amount equal to the Black Scholes value of the IPO Warrants on the date of consummation of such transaction.

Rights as a Shareholder. Except by virtue of such holder's ownership of our common stock, the holder of a IPO Warrant does not have rights or privileges of a shareholder, including any voting rights, until the holder exercises such IPO Warrant.

Stock Options

As of March 8, 2023, we had reserved the following shares of common stock for issuance pursuant to stock options under the 2021 Plan described below:

- 102,074 shares of our common stock reserved for issuance under stock option agreements issued pursuant to the 2021 Plan with a weighted-average exercise price of \$40.77 per share; and
- 78 shares of our common stock reserved for future issuance under the 2021 Plan.

Anti-Takeover Effects of Delaware law and Our Certificate of Incorporation and Bylaws

The provisions of Delaware law, our Certificate of Incorporation and our Bylaws may have the effect of delaying, deferring or discouraging another party from acquiring control of us.

Section 203 of the Delaware General Corporation Law

We are subject to Section 203 of the DGCL, which prohibits a Delaware corporation from engaging in any business combination with any interested stockholder for a period of three years after the date that such stockholder became an interested stockholder, with the following exceptions:

- before such date, the board of directors of the corporation approved either the business combination or the transaction that resulted in the stockholder becoming an interested stockholder;
- upon completion of the transaction that resulted in the stockholder becoming an interested stockholder, the interested stockholder owned at least 85% of the voting stock of the corporation outstanding at the time the transaction began, excluding for purposes of determining the voting stock outstanding (but not the outstanding voting stock owned by the interested stockholder) those shares owned (i) by persons who are directors and also officers and (ii) employee stock plans in which employee participants do not have the right to determine confidentially whether shares held subject to the plan will be tendered in a tender or exchange offer; or
- on or after such date, the business combination is approved by the board of directors and authorized at an annual or special meeting of the stockholder, and not by written consent, by the affirmative vote of at least 66 2/3% of the outstanding voting stock that is not owned by the interested stockholder.

In general, Section 203 defines business combination to include the following:

- any merger or consolidation involving the corporation and the interested stockholder;
- any sale, transfer, pledge or other disposition of 10% or more of the assets of the corporation involving the interested stockholder;
- subject to certain exceptions, any transaction that results in the issuance or transfer by the corporation of any stock of the corporation to the interested stockholder;
- any transaction involving the corporation that has the effect of increasing the proportionate share of the stock or any class or series of the corporation beneficially owned by the interested stockholder; or
- the receipt by the interested stockholder of the benefit of any loss, advances, guarantees, pledges or other financial benefits by or through the corporation.

In general, Section 203 defines an “interested stockholder” as an entity or person who, together with the person’s affiliates and associates, beneficially owns, or within three years prior to the time of determination of interested stockholder status did own, 15% or more of the outstanding voting stock of the corporation.

Certificate of Incorporation and Bylaws

Our Certificate of Incorporation and Bylaws provide for:

- authorizing the issuance of “blank check” preferred stock, the terms of which may be established and shares of which may be issued without stockholder approval;
- limiting the removal of directors by the stockholders;
- requiring a supermajority vote of stockholders to amend our bylaws or certain provisions our certificate of incorporation;
- prohibiting stockholder action by written consent, thereby requiring all stockholder actions to be taken at a meeting of our stockholders;
- eliminating the ability of stockholders to call a special meeting of stockholders;
- establishing advance notice requirements for nominations for election to the board of directors or for proposing matters that can be acted upon at stockholder meetings;
- establishing Delaware as the exclusive jurisdiction for certain stockholder litigation against us; and
- a classified board of directors.

Potential Effects of Authorized but Unissued Stock

We have shares of common stock and preferred stock available for future issuance without stockholder approval. We may utilize these additional shares for a variety of corporate purposes, including future public offerings to raise additional capital, to facilitate corporate acquisitions or payment as a dividend on the capital stock.

The existence of unissued and unreserved common stock and preferred stock may enable our board of directors to issue shares to persons friendly to current management or to issue preferred stock with terms that could render more difficult or discourage a third-party attempt to obtain control of us by means of a merger, tender offer, proxy contest or otherwise, thereby protecting the continuity of our management. In addition, the board of directors has the discretion to determine designations, rights, preferences, privileges and restrictions, including voting rights, dividend rights, conversion rights, redemption privileges and liquidation preferences of each series of preferred stock, all to the fullest extent permissible under the DGCL and subject to any limitations set forth in our certificate of incorporation. The purpose of authorizing the board of directors to issue preferred stock and to determine the rights and preferences applicable to such preferred stock is to eliminate delays associated with a stockholder vote on specific issuances. The issuance of preferred stock, while providing desirable flexibility in connection with possible financings, acquisitions and other corporate purposes, could have the effect of making it more difficult for a third-party to acquire, or could discourage a third-party from acquiring, a majority of our outstanding voting stock.

Choice of Forum

Unless we consent in writing to the selection of an alternative forum, the Court of Chancery of the State of Delaware shall be the sole and exclusive forum for any stockholder to bring (i) any derivative action or proceeding brought on behalf of the Company, (ii) any action asserting a claim of breach of fiduciary duty owed by any director, officer or other employee of the Company or the Company’s stockholders, creditors or constituents, (iii) any action asserting a claim against the Company or any director or officer of the Company arising pursuant to, or a claim against the Company or any director or officer of the Company, with respect to the interpretation or application of any provision of, the DGCL, our certificate of incorporation or bylaws, or (iv) any action asserting a claim governed by the internal affairs doctrine, except for, in each of the aforementioned actions, any claims to which the Court of Chancery of the State of Delaware determines it lacks jurisdiction. This provision will not apply to claims arising under the Exchange Act, the Securities Act or for any other federal securities laws which provide for exclusive federal jurisdiction. However, the exclusive forum provision provides that unless we consent in writing to the selection of an alternative forum, the federal district courts of the United States of America will be the exclusive forum for the resolution of any complaint asserting a cause of action arising under the Securities Act. Therefore, this provision could apply to a suit that falls within one or more of the categories enumerated in the exclusive forum provision and that asserts claims under the Securities Act, inasmuch as Section 22 of the Securities Act creates concurrent jurisdiction for federal and state courts over all suits brought to enforce any duty or liability created by the Securities Act or the rules and regulations thereunder. There is uncertainty as to whether a court would enforce such an exclusive forum provision with respect to claims under the Securities Act.

Whether a court would enforce the provision and that investors cannot waive compliance with the federal securities laws and the rules and regulations thereunder. Although we believe this provision benefits us by providing increased consistency in the application of Delaware law in the types of lawsuits to which it applies, the provision may have the effect of discouraging lawsuits against our directors and officers.

Transfer Agent and Registrar

The name, address and telephone number of our stock transfer agent is Direct Transfer, LLC, 500 Perimeter Park Dr., Suite D, Morrisville, NC 27560, (919) 744-2722.

National Securities Exchange Listing

Our common stock and IPO Warrants are currently listed on Nasdaq under the symbols “DRMA” and “DRMAW,” respectively.

DESCRIPTION OF SECURITIES WE ARE OFFERING

We are offering 1,913,875 shares of our common stock and Common Warrants to purchase up to 1,913,875 shares of common stock. We are also offering up to 1,913,875 Pre-Funded Warrants to those purchasers whose purchase of shares of common stock in this offering would result in the purchaser, together with its affiliates and certain related parties, beneficially owning more than 4.99% (or, at the election of the purchaser, 9.99%) of our outstanding shares of common stock following the consummation of this offering in lieu of the shares of common stock that would result in such excess ownership. Each Pre-Funded Warrant will be exercisable for one share of common stock. For each Pre-Funded Warrant we sell, the number of shares of common stock we are offering will be decreased on a one-for-one basis. No warrant for fractional shares of common stock will be issued, rather warrants will be issued only for whole shares of common stock. We are also registering the shares of common stock issuable from time to time upon exercise of the Pre-Funded Warrants and Common Warrants offered hereby.

Common Stock

The material terms and provisions of our common stock are described under the caption “Description of Capital Stock” in this prospectus.

Common Warrants

The following is a summary of certain terms and provisions of the Common Warrants that are being offered hereby is not complete and is subject to, and qualified in its entirety by, the provisions of the Common Warrant, the form of which is filed as an exhibit to the registration statement of which this prospectus forms a part. Prospective investors should carefully review the terms and provisions of the form of Common Warrant for a complete description of the terms and conditions of the Common Warrants.

Duration and Exercise Price

Each Common Warrant offered hereby will have an exercise price equal to \$ (representing 100% of the price at which a share of common stock and accompanying Common Warrant are sold to the public in this offering). The Common Warrants will be immediately exercisable and may be exercised until the fifth anniversary of the issuance date. The exercise price and number of shares of common stock issuable upon exercise is subject to appropriate adjustment in the event of stock dividends, stock splits, reorganizations or similar events affecting our common stock and the exercise price. The Common Warrants will be issued separately from the common stock or Pre-Funded Warrants, respectively, and may be transferred separately immediately thereafter. The Common Warrants will be issued in certificated form only.

Exercisability

The Common Warrants will be exercisable, at the option of each holder, in whole or in part, by delivering to us a duly executed exercise notice accompanied by payment in full for the number of shares of our common stock purchased upon such exercise (except in the case of a cashless exercise as discussed below). A holder (together with its affiliates) may not exercise any portion of such holder's Common Warrants to the extent that the holder would own more than 4.99% of the outstanding common stock immediately after exercise, except that upon at least 61 days' prior notice from the holder to us, the holder may increase the amount of ownership of outstanding stock after exercising the holder's Common Warrants up to 9.99% of the number of shares of our common stock outstanding immediately after giving effect to the exercise, as such percentage ownership is determined in accordance with the terms of the Common Warrants.

Cashless Exercise

If, at the time a holder exercises its Common Warrants, a registration statement registering the issuance or resale of the shares of common stock underlying the Common Warrants under the Securities Act is not then effective or available for the issuance of such shares, then in lieu of making the cash payment otherwise contemplated to be made to us upon such exercise in payment of the aggregate exercise price, the holder may elect instead to receive upon such exercise (either in whole or in part) the net number of shares of common stock determined according to a formula set forth in the Common Warrant.

Fundamental Transactions

In the event of any fundamental transaction, as described in the Common Warrants and generally including any merger or consolidation with or into another entity, sale of all or substantially all of our assets, tender offer or exchange offer, or reclassification of our common stock, then upon any subsequent exercise of a Common Warrant, the holder will have the right to receive as alternative consideration, for each share of our common stock that would have been issuable upon such exercise immediately prior to the occurrence of such fundamental transaction, the number of shares of common stock of the successor or acquiring corporation or of our company, if it is the surviving corporation, and any additional consideration receivable upon or as a result of such transaction by a holder of the number of shares of our common stock for which the Common Warrant is exercisable immediately prior to such event. Notwithstanding the foregoing, in the event of a fundamental transaction, the holders of the Common Warrants have the right to require us or a successor entity to redeem the Common Warrants for cash in the amount of the Black-Scholes Value (as defined in each Common Warrant) of the remaining unexercised portion of the Common Warrants on the date of the consummation of such fundamental transaction, concurrently with or within 30 days following the consummation of a fundamental transaction.

However, in the event of a fundamental transaction which is not in our control, including a fundamental transaction not approved by our board of directors, the holders of the Common Warrants will only be entitled to receive from us or our successor entity, as of the date of consummation of such fundamental transaction the same type or form of consideration (and in the same proportion), at the Black Scholes Value of the unexercised portion of the Common Warrant that is being offered and paid to the holders of our common stock in connection with the fundamental transaction, whether that consideration is in the form of cash, stock or any combination of cash and stock, or whether the holders of our common stock are given the choice to receive alternative forms of consideration in connection with the fundamental transaction.

Transferability

Subject to applicable laws, a Common Warrant may be transferred at the option of the holder upon surrender of the Common Warrant to us together with the appropriate instruments of transfer.

Fractional Shares

No fractional shares of common stock will be issued upon the exercise of the Common Warrants. Rather, the number of shares of common stock to be issued will, at our election, either be rounded up to the nearest whole number or we will pay a cash adjustment in respect of such final fraction in an amount equal to such fraction multiplied by the exercise price.

Trading Market

There is no established trading market for the Common Warrants, and we do not expect an active trading market to develop. We do not intend to apply to list the Common Warrants on any securities exchange or other trading market. Without a trading market, the liquidity of the Common Warrants will be extremely limited.

Right as a Stockholder

Except as otherwise provided in the Common Warrants or by virtue of the holder's ownership of shares of our common stock, such holder of Common Warrants does not have the rights or privileges of a holder of our common stock, including any voting rights, until such holder exercises such holder's Common Warrants.

Waivers and Amendments

No term of the Common Warrants may be amended or waived without the written consent of the majority of the holders of the Common Warrants purchased in this offering.

Pre-Funded Warrants

The following summary of certain terms and provisions of the Pre-Funded Warrants that are being offered hereby is not complete and is subject to, and qualified in its entirety by, the provisions of the Pre-Funded Warrant, the form of which is filed as an exhibit to the registration statement of which this prospectus forms a part. Prospective investors should carefully review the terms and provisions of the form of Pre-Funded Warrant for a complete description of the terms and conditions of the Pre-Funded Warrants.

Duration and Exercise Price

Each Pre-Funded Warrant offered hereby will have an initial exercise price per share of common stock equal to \$0.0001. The Pre-Funded Warrants will be immediately exercisable and will expire when exercised in full. The exercise price and number of shares of common stock issuable upon exercise is subject to appropriate adjustment in the event of share dividends, share splits, reorganizations or similar events affecting our shares of common stock and the exercise price.

Exercisability

The Pre-Funded Warrants will be exercisable, at the option of each holder, in whole or in part, by delivering to us a duly executed exercise notice accompanied by payment in full for the number of shares of common stock purchased upon such exercise (except in the case of a cashless exercise as discussed below). A holder (together with its affiliates) may not exercise any portion of the Pre-Funded Warrant to the extent that the holder would own more than 4.99% of the outstanding shares of common stock immediately after exercise, except that upon at least 61 days' prior notice from the holder to us, the holder may increase the amount of beneficial ownership of outstanding shares after exercising the holder's Pre-Funded Warrants up to 9.99% of the number of our shares of common stock outstanding immediately after giving effect to the exercise, as such percentage ownership is determined in accordance with the terms of the Pre-Funded Warrants. Purchasers of Pre-Funded Warrants in this offering may also elect prior to the issuance of the pre-funded warrants to have the initial exercise limitation set at 9.99% of our outstanding shares of common stock.

Cashless Exercise

In lieu of making the cash payment otherwise contemplated to be made to us upon such exercise in payment of the aggregate exercise price, the holder may elect instead to receive upon such exercise (either in whole or in part) the number of shares of common stock determined according to a formula set forth in the Pre-Funded Warrants.

Fractional Shares

No fractional shares of common stock will be issued upon the exercise of the Pre-Funded Warrants.

Rather, at the Company's election, the number of shares of common stock to be issued will be rounded up to the nearest whole number or the Company will pay a cash adjustment in an amount equal to such fraction multiplied by the exercise price.

Transferability

Subject to applicable laws, a Pre-Funded Warrant may be transferred at the option of the holder upon surrender of the Pre-Funded Warrants to us together with the appropriate instruments of transfer.

Trading Market

There is no trading market available for the Pre-Funded Warrants on any securities exchange or nationally recognized trading system, and we do not expect a trading market to develop. We do not intend to list the Pre-Funded Warrants on any securities exchange or nationally recognized trading market. Without a trading market, the liquidity of the Pre-Funded Warrants will be extremely limited. The shares of common stock issuable upon exercise of the Pre-Funded Warrants are currently traded on Nasdaq.

Right as a Shareholder

Except as otherwise provided in the Pre-Funded Warrants or by virtue of such holder's ownership of shares of common stock, the holders of the Pre-Funded Warrants do not have the rights or privileges of holders of our shares of common stock, including any voting rights, until they exercise their Pre-Funded Warrants. The Pre-Funded Warrants will provide that holders have the right to participate in distributions or dividends paid on our shares of common stock.

Fundamental Transaction

In the event of a fundamental transaction, as described in the Pre-Funded Warrants and generally including any reorganization, recapitalization or reclassification of our shares of common stock, the sale, transfer or other disposition of all or substantially all of our properties or assets, our consolidation or merger with or into another person, the acquisition of more than 50% of our outstanding securities, or any person or group becoming the beneficial owner of 50% of the voting power represented by our outstanding shares of securities, the holders of the Pre-Funded Warrants will be entitled to receive upon exercise of the pre-funded warrants the kind and amount of securities, cash or other property that the holders would have received had they exercised the Pre-Funded Warrants immediately prior to such fundamental transaction on a net exercise basis.

Placement Agent Warrants

In addition, we have agreed to issue to the placement agent or its designees the placement agent warrants to purchase up to 7.0% of the aggregate number of shares of common stock sold in this offering (or common stock equivalent but excluding the shares of common stock underlying the Common Warrants (other than Pre-Funded Warrants) issued in this offering), at an exercise price equal to 125% of the public offering price per share of common stock and accompanying Common Warrant to be sold in this offering. The placement agent warrants will be exercisable upon issuance and will expire five years from the commencement of sales under this offering. The placement agent warrants issued in this offering will otherwise have substantially the same terms as the Common Warrants.

CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS

The following is a description of transactions since January 1, 2020 to which we have been a participant in which the amount involved exceeded or will exceed \$120,000, and in which any of our directors, executive officers or holders of more than 5% of our voting securities, or any members of their immediate family, had or will have a direct or indirect material interest, other than compensation arrangements with our named executive officers.

Employment Agreement with Child of Chief Executive Officer

Sean Proehl, the son of Gerald T. Proehl, our Chief Executive Officer, is currently employed as our Senior Director, Legal & Business Development. Mr. Sean Proehl receives a salary of \$168,000 a year. In addition, Mr. Sean Proehl is eligible to receive, from time to time, equity awards under our existing equity incentive plan, or any other equity incentive plan we may adopt in the future, and the terms and conditions of such awards, if any, will be determined by our board of directors or Compensation Committee, in their discretion.

Sales of Preferred Units

In March 2021, we issued an aggregate of 686,742 Series 1d Preferred Units at \$0.83 per unit for gross proceeds of approximately \$570,000. Proehl Investment Ventures, LLC, Allison Taylor Proehl 2020 Irrevocable Trust, Meghan Proehl Wilder 2020 Irrevocable Trust and Sean Michael Proehl Irrevocable Trusts Dated December 18, 2020 purchased 307,228, 120,481, 60,240 and 120,481 Series 1d Preferred Units, respectively. Mr. Proehl, our President and Chief Executive Officer and the Chairman of the board of directors, is the managing member of Proehl Investment Ventures, LLC and the trustee of Allison Taylor Proehl 2020 Irrevocable Trust, Meghan Proehl Wilder 2020 Irrevocable Trust and Sean Michael Proehl Irrevocable Trusts Dated December 18, 2020. The shares of Series 1d Preferred Stock held by Mr. Proehl (in the aggregate), automatically converted into 5,637 shares of common stock upon the completion of our initial public offering, at a conversion price equal to \$89.60 (80% of the initial offering price).

LLC Conversion

In March 2021, in connection with the conversion of Dermata Therapeutics, LLC into a Delaware corporation, Proehl Investment Ventures, LLC received an aggregate of 35,791,829 shares of our preferred stock, warrants exercisable for 573,750 shares of our preferred stock with an exercise price of \$1.00 per share, 57,332 shares of our common stock, and Hale BioPharma Ventures, LLC received an aggregate of 5,089,162 shares of our then-outstanding preferred stock, warrants exercisable for 62,500 shares of our then-outstanding preferred stock with an exercise price of \$1.00 per share and 15,914 shares of our common stock. David Hale, a member of the board of directors, is the managing member of Hale BioPharma Ventures, LLC.

Stockholders' Agreement

On March 24, 2021, in connection with the conversion of Dermata Therapeutics, LLC into a Delaware corporation, we entered into a Stockholders' Agreement (as amended, the Stockholders' Agreement) with all of our then-existing stockholders, including Proehl Investment Ventures, LLC and Hale BioPharma Ventures, LLC. The Stockholders' Agreement among other things, provided for certain restrictions on transfer of our shares of capital stock, set forth agreements and understandings with respect to how shares of our capital stock held by the stockholders party thereto would be voted on, or tendered in connection with, an acquisition of the Company and provided for certain voting rights with respect to the election of directors. The Stockholders' Agreement automatically terminated upon the completion of our initial public offering.

Convertible Note Financing

In July 2020, we held the first closing of the sale of certain subordinated convertible promissory notes (or, the Notes) for an aggregate principal amount of \$2,330,000, including \$500,000 from Proehl Investment Ventures, LLC. In October 2020, we held the second closing of the Notes for an aggregate principal amount of \$670,000, including \$420,000 from Proehl Investment Ventures, LLC. In February 2021, we held the third closing of the Notes for an aggregate principal amount of \$1,556,000, including \$825,000 from Proehl Investment Ventures, LLC, \$100,000 from the Proehl Family Trust and \$250,000 Hale BioPharma Ventures, LLC.

On March 15, 2021, we completed the conversion of \$4,391,000 of principal amount of the Notes into 5,379,247 Series 1d Preferred Units. At that time Proehl Investment Ventures, LLC, Sean Michael Proehl Irrevocable Trusts Dated December 18, 2020 and Hale BioPharma Ventures, LLC held an aggregate principal amount of \$1,745,000, \$100,000 and \$250,000 of Notes, respectively. Mr. Proehl, our President and Chief Executive Officer and the Chairman of the board of directors, is the managing member of Proehl Investment Ventures, LLC and the trustee of Sean Michael Proehl Irrevocable Trusts Dated December 18, 2020. Mr. Hale, a member of the board of directors, is the managing member of Hale BioPharma Ventures, LLC. In addition, Wendell Wierenga, a member of our board of directors, held \$45,000 principal amount of the Notes. Each of Messrs. Proehl, Hale and Wierenga converted their aggregate principal amounts of Notes into Series 1d Preferred Units on March 15, 2021, which units were subsequently converted into shares of our Series 1d Preferred Stock in connection with our conversion to a Delaware corporation. The shares of Series 1d Preferred Stock that were converted from the Notes held by Messrs. Proehl, Hale and Wierenga were automatically converted into 20,843, 2,798 and 508 shares of common stock, respectively, upon the completion of our initial public offering, at a conversion price equal to \$89.60 (80% of the initial offering price in our initial public offering).

The Notes had an interest rate of 4.0% per annum, were unsecured, had a maturity date of December 31, 2021 and provided for conversion into our common stock upon the earlier of (i) qualified Series A Financing (as defined in the Notes) which resulted in aggregate gross proceeds to the Company of at least ten million dollars (\$10,000,000), or (ii) the closing of our initial public offering. Upon the completion of our initial public offering, the aggregate principal amount and all accrued but unpaid interest on the Notes automatically converted into an aggregate of 2,013 shares of our common stock at a conversion price of \$89.60 per share (which was 80% of the initial offering price).

PLAN OF DISTRIBUTION

We engaged H.C. Wainwright to act as our exclusive placement agent to solicit offers to purchase the securities offered by this prospectus on a reasonable best efforts basis. H.C. Wainwright is not purchasing or selling any securities, nor are they required to arrange for the purchase and sale of any specific number or dollar amount of securities, other than to use their “reasonable best efforts” to arrange for the sale of the securities by us. Therefore, we may not sell the entire amount of securities being offered.

The terms of this offering are subject to market conditions and negotiations between us, the placement agent and prospective investors. The placement agent will have no authority to bind us by virtue of the engagement letter. This is a best efforts offering and there is no minimum amount of proceeds that is a condition to closing of this offering. Investors purchasing securities offered hereby will have the option to execute a securities purchase agreement with us. In addition to rights and remedies available to all purchasers in this offering under federal securities and state law, the purchasers which enter into a securities purchase agreement will also be able to bring claims of breach of contract against us. H.C. Wainwright may engage one or more sub-agents or selected dealers in connection with the offering. The ability to pursue a claim for breach of contract is material to larger purchasers in this offering as a means to enforce the following covenants uniquely available to them under the securities purchase agreement: (i) a covenant to not enter into variable rate financings for a period of one year following the closing of the offering, subject to an exception; and (ii) a covenant to not enter into any equity financings for sixty (60) days from closing of the offering, subject to certain exceptions.

The nature of the representations, warranties and covenants in the securities purchase agreements shall include:

- standard issuer representations and warranties on matters such as organization, qualification, authorization, no conflict, no governmental filings required, current in SEC filings, no litigation, labor or other compliance issues, environmental, intellectual property and title matters and compliance with various laws such as the Foreign Corrupt Practices Act; and
- covenants regarding matters such as registration of warrant shares, no integration with other offerings, filing of an 8-K to disclose entering into these securities purchase agreements, no shareholder rights plans, no material nonpublic information, use of proceeds, indemnification of purchasers, reservation and listing of common stock, and no subsequent equity sales for sixty (60) days.

Delivery of the securities offered hereby is expected to occur on or about , 2023, subject to satisfaction of certain customary closing conditions.

Fees and Expenses

The following table shows the per share and accompanying Common Warrant, and per Pre-Funded Warrant and accompanying Common Warrant, and total placement agent fees we will pay in connection with the sale of the securities in this offering.

Per share and Common Warrant placement agent cash fees	\$
Per Pre-Funded Warrant and Common Warrant placement agent cash fees	\$
Total	\$

We have agreed to pay the placement agent a total cash fee equal to 7.0% of the aggregate gross proceeds raised in the offering and a management fee equal to 1.0% of the gross proceeds raised in this offering. We will reimburse the placement agent a nonaccountable expense allowance of \$50,000, its legal fees and expenses in an amount up to \$100,000 and its clearing expense in an amount up to \$15,950 in connection with this offering. We estimate the total offering expenses of this offering that will be payable by us, excluding the placement agent fees and expenses, will be approximately \$0.4 million. After deducting the placement agent fees and our estimated offering expenses, we expect the net proceeds from this offering to be approximately \$7.0 million.

Placement Agent Warrants

In addition, we have agreed to issue the placement agent warrants to the placement agent or its designees to purchase up to 7.0% of the aggregate number of shares of common stock sold in this offering (or common stock equivalent but excluding the shares of common stock underlying the Common Warrants (other than the Pre-Funded Warrants) issued in this offering), at an exercise price equal to 125% of the public offering price per share and accompanying Common Warrant to be sold in this offering. The placement agent warrants will be exercisable upon issuance and will expire five years from the commencement of sales under this offering.

If at the time of exercise there is no effective registration statement registering, or the prospectus contained therein is not available for the resale of warrant shares by the holders of the placement agent warrants, then the placement agent warrants may be exercised, in whole or in part, at such time by means of a “cashless exercise” in which the holders shall be entitled to receive a number of warrant shares as calculated in the form of placement agent warrants.

The placement agent warrants provide for customary anti-dilution provisions (for share dividends, splits and recapitalizations and the like) consistent with FINRA Rule 5110.

Right of First Refusal

Subject to consummation of the offering, we have granted a right of first refusal to the placement agent pursuant to which it has the right to act as the exclusive book-running manager, underwriter or placement agent, as applicable, if the Company decides to raise capital through a public offering (including an at-the-market facility) or private placement or any other capital-raising financing of equity, equity-linked or debt securities (other than a traditional debt facility or venture debt facility or an equity line of credit) pursuant to which the Company engages an investment bank or broker/dealer at any time prior to the twelve months following the consummation of this offering.

Tail

In the event that any investors that were contacted by the placement agent or were introduced to the Company by the placement agent during the term of our engagement agreement with the placement agent provide any capital to us in a public or private offering or other financing or capital-raising transaction of any kind (each, a “Tail Financing”) within twelve months following the termination or expiration of our engagement agreement with the placement agent, we shall pay the placement agent the cash and warrant compensation provided above on the gross proceeds raised in such Tail Financing from such investors.

Determination of Offering Price

The combined public offering price per share and Common Warrant and the combined public offering price per Pre-Funded Warrant and Common Warrant we are offering and the exercise prices and other terms of the Pre-Funded Warrants and Common Warrants were negotiated between us and the investors, in consultation with the placement agent based on the trading of our common stock prior to this offering, among other things. Other factors considered in determining the public offering prices of the securities we are offering and the exercise prices and other terms of the Pre-Funded Warrants and Common Warrants include the history and prospects of our company, the stage of development of our business, our business plans for the future and the extent to which they have been implemented, an assessment of our management, general conditions of the securities markets at the time of the offering and such other factors as were deemed relevant.

Lock-up Agreements

We and each of our officers and directors have agreed with the placement agent to be subject to a lock-up period of sixty (60) days following the date of this prospectus. This means that, during the applicable lock-up period, we may not offer for sale, contract to sell, or sell any shares of our common stock or any securities convertible into, or exercisable or exchangeable for, shares of our common stock subject to certain customary exception such as issuing stock options to directors, officers, employees and consultants under our existing plans. The placement agent may, in its sole discretion and without notice, waive the terms of any of these lock-up agreements. In addition, we have agreed to not issue any shares of common stock or securities exercisable or convertible into shares of common stock for a period of sixty (60) days following the closing date of this offering, subject to certain exceptions, and to not issue any securities that are subject to a price reset based on trading prices of our common stock or upon a specified or contingent event in the future, or enter into an agreement to issue securities at a future determined price, until , 2023.

Transfer Agent and Registrar

The transfer agent for our common stock is Direct Transfer, LLC.

Nasdaq Listing

Our common stock and certain of our outstanding warrants are currently listed on Nasdaq under the symbols “DRMA” and “DRMAW,” respectively. On March 8, 2023, the closing price per share of our common stock was \$4.18.

Indemnification

We have agreed to indemnify the placement agent against certain liabilities, including certain liabilities arising under the Securities Act and liabilities arising from breaches of representations and warranties contained in our engagement letter with the placement agent. We have also agreed to contribute to payments that the placement agent may be required to make for these liabilities.

In addition, we will indemnify the purchasers of securities in this offering against liabilities arising out of or relating to (i) any breach of any of the representations, warranties, covenants or agreements made by us in the securities purchase agreement or related documents or (ii) any action instituted against a purchaser by a third party (other than a third party who is affiliated with such purchaser) with respect to the securities purchase agreement or related documents and the transactions contemplated thereby, subject to certain exceptions.

Regulation M

The placement agent may be deemed to be an underwriter within the meaning of Section 2(a)(11) of the Securities Act and any fees received by it and any profit realized on the sale of the securities by it while acting as principal might be deemed to be underwriting discounts or commissions under the Securities Act. The placement agent will be required to comply with the requirements of the Securities Act and the Exchange Act of 1934, as amended (the “Exchange Act”), including, without limitation, Rule 10b-5 and Regulation M under the Exchange Act. These rules and regulations may limit the timing of purchases and sales of our securities by the placement agent. Under these rules and regulations, the placement agent may not (i) engage in any stabilization activity in connection with our securities; and (ii) bid for or purchase any of our securities or attempt to induce any person to purchase any of our securities, other than as permitted under the Exchange Act, until they have completed their participation in the distribution.

Other Relationships

The placement agent and its affiliates may in the future engage in investment banking transactions and other commercial dealings in the ordinary course of business with us or our affiliates. The placement agent may in the future receive customary fees and commissions for these transactions.

In addition, in the ordinary course of their business activities, the placement agent and its affiliates may make or hold a broad array of investments and actively trade debt and equity securities (or related derivative securities) for their own account and for the accounts of their customers. Such investments and securities activities may involve securities and/or instruments of ours or our affiliates. The placement agent and its affiliates may also make investment recommendations and/or publish or express independent research views in respect of such securities or financial instruments and may hold, or recommend to clients that they acquire, long and/or short positions in such securities and instruments.

Prior to this offering, we have not had any arrangements with the placement agent in the past three years. Except as disclosed in this prospectus, we have no present arrangements with the placement agent for any further services.

Electronic Distribution

A prospectus in electronic format may be made available on a website maintained by the placement agent and the placement agent may distribute prospectuses electronically. Other than the prospectus in electronic format, the information on these websites is not part of this prospectus or the registration statement of which this prospectus forms a part, has not been approved and/or endorsed by us or the placement agent and should not be relied upon by investors.

INFORMATION INCORPORATED BY REFERENCE

The SEC allows us to “incorporate by reference” information that we file with it into this prospectus, which means that we can disclose important information to you by referring you to those documents. The information incorporated by reference is an important part of this prospectus. The information incorporated by reference is considered to be a part of this prospectus, and information that we file later with the SEC will automatically update and supersede information contained in this prospectus.

We incorporate by reference the documents listed below and any future filings made with the SEC under Sections 13(a), 13(c), 14, or 15(d) of the Exchange Act made after the date of the initial registration statement of which this prospectus forms a part and prior to effectiveness of the registration statement and subsequent to the date of this prospectus until the termination of the offering of the securities described in this prospectus (other than information in such filings that was “furnished,” under applicable SEC rules, rather than “filed”). We incorporate by reference the following documents or information that we have filed with the SEC:

- our Annual Report on [Form 10-K](#) for the year ended December 31, 2022 filed with the SEC on February 21, 2023;
- our Current Reports on Form 8-K filed with the SEC on [February 8, 2023](#) and [March 13, 2023](#) (other than any portions thereof deemed furnished and not filed); and
- our definitive proxy statement on [Schedule 14A](#) filed with the SEC on January 13, 2023.

In addition, all other reports subsequently filed by us pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934, as amended, prior to the termination of the offering (excluding any information furnished rather than filed) shall be deemed to be incorporated by reference into this prospectus.

Notwithstanding the statements in the preceding paragraphs, no document, report or exhibit (or portion of any of the foregoing) or any other information that we have “furnished” to the SEC pursuant to the Securities Exchange Act of 1934, as amended shall be incorporated by reference into this prospectus.

Any statement contained in this prospectus or contained in a document incorporated or deemed to be incorporated by reference into this prospectus will be deemed to be modified or superseded to the extent that a statement contained in this prospectus or any subsequently filed supplement to this prospectus, or document deemed to be incorporated by reference into this prospectus, modifies or supersedes such statement. Any statements so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this prospectus.

You may request a copy of these filings at no cost, by writing or telephoning us at the following address:

Dermata Therapeutics, Inc.
Attn: Gerald T. Proehl
President and CEO
3525 Del Mar Heights, Rd., #322
San Diego, California 92130
Telephone: 858-800-2543

You may also access these filings on our website at www.dermatarx.com. You should rely only on the information incorporated by reference or provided in this prospectus. We have not authorized anyone else to provide different or additional information on our behalf. An offer of these securities is not being made in any jurisdiction where the offer or sale is not permitted. You should not assume that the information in this prospectus is accurate as of any date other than the date of those respective documents.

WHERE YOU CAN FIND MORE INFORMATION

This prospectus is part of a registration statement we filed with the SEC. This prospectus does not contain all of the information set forth in the registration statement and the exhibits to the registration statement.

For further information with respect to us and the securities we are offering under this prospectus, we refer you to the registration statement and the exhibits and schedules filed as a part of the registration statement. You should rely only on the information contained in this prospectus or incorporated by reference into this prospectus. We have not authorized anyone else to provide you with different information. We are not making an offer of these securities in any jurisdiction where the offer is not permitted. You should assume that the information contained in this prospectus, or any document incorporated by reference in this prospectus, is accurate only as of the date of those respective documents, regardless of the time of delivery of this prospectus or any sale of our securities.

We file annual, quarterly and current reports, proxy statements and other information with the SEC. Our SEC filings are available to the public from commercial document retrieval services and over the Internet at the SEC's website at <http://www.sec.gov>.

We maintain a website at www.dermatarx.com. You may access our annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K and amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) of the Exchange Act with the SEC free of charge at our website as soon as reasonably practicable after such material is electronically filed with, or furnished to, the SEC. The information contained in, or that can be accessed through, our website is not incorporated by reference into, and is not part of, this prospectus.

LEGAL MATTERS

The validity of the securities being offered hereby and certain other legal matters will be passed upon for us by Lowenstein Sandler LLP, New York, New York. Haynes and Boone, LLP, New York, New York is acting as counsel to the Placement Agent in connection with this offering.

EXPERTS

The financial statements of Dermata Therapeutics, Inc. (formerly Dermata Therapeutics, LLC) ("Company") as of and for the years ended December 31, 2022 and 2021, appearing in the Company's Annual Report on Form 10-K for the year ended December 31, 2022, have been audited by Mayer Hoffman McCann P.C., independent registered public accounting firm, as set forth in their report (which report includes an explanatory paragraph regarding the existence of substantial doubt about the Company's ability to continue as a going concern), and have been incorporated herein by reference in reliance upon such report given on the authority of such firm as experts in accounting and auditing, in giving said reports.



Up to 1,913,875 Shares of Common Stock

Pre-Funded Warrants to Purchase up to 1,913,875 Shares of Common Stock

Common Warrants to Purchase up to 1,913,875 Shares of Common Stock

Shares of Common Stock underlying Pre-Funded Warrants

Up to 1,913,875 Shares of Common Stock underlying Common Warrants

Placement Agent Warrants to Purchase up to 133,971 Shares of Common Stock

Shares of Common Stock Underlying the Placement Agent Warrants

PRELIMINARY PROSPECTUS

H.C. Wainwright & Co.

The date of this prospectus is , 2023.

PART II**INFORMATION NOT REQUIRED IN PROSPECTUS****Item 13. Other Expenses of Issuance and Distribution.**

The following table sets forth the costs and expenses, other than placement agent fees and commissions, payable by us in connection with the sale and distribution of the securities being registered. All of the amounts shown are estimates, except for the SEC registration fee and the FINRA filing fee:

	Amount to be paid
SEC registration fee	\$ 1,840.34
FINRA filing fee	\$ 3,005.00
Legal fees and expenses	\$ 300,000.00
Accounting fees and expenses	\$ 80,000.00
Miscellaneous	\$ 5,154.66
Total expenses	\$ 390,000.00

Item 14. Indemnification of Directors and Officers.

As permitted by Section 102 of the Delaware General Corporation Law, we have adopted provisions in our amended and restated certificate of incorporation and bylaws that limit or eliminate the personal liability of our directors for a breach of their fiduciary duty of care as a director. The duty of care generally requires that, when acting on behalf of the corporation, directors exercise an informed business judgment based on all material information reasonably available to them. Consequently, a director will not be personally liable to us or our stockholders for monetary damages for breach of fiduciary duty as a director, except for liability for:

- any breach of the director's duty of loyalty to us or our stockholders;
- any act or omission not in good faith or that involves intentional misconduct or a knowing violation of law;
- any act related to unlawful stock repurchases, redemptions or other distributions or payment of dividends; or
- any transaction from which the director derived an improper personal benefit.

These limitations of liability do not affect the availability of equitable remedies such as injunctive relief or rescission. Our amended and restated certificate of incorporation also authorizes us to indemnify our officers, directors and other agents to the fullest extent permitted under Delaware law.

As permitted by Section 145 of the Delaware General Corporation Law, our bylaws provide that:

- we may indemnify our directors, officers, and employees to the fullest extent permitted by the Delaware General Corporation Law, subject to limited exceptions;
- we may advance expenses to our directors, officers and employees in connection with a legal proceeding to the fullest extent permitted by the Delaware General Corporation Law, subject to limited exceptions; and
- the rights provided in our bylaws are not exclusive.

Our amended and restated certificate of incorporation, to be attached as Exhibit hereto, and our amended and restated bylaws, to be attached as Exhibit hereto, provide for the indemnification provisions described above and elsewhere herein. We have entered into and intend to continue to enter into separate indemnification agreements with our directors and officers which may be broader than the specific indemnification provisions contained in the Delaware General Corporation Law. These indemnification agreements generally require us, among other things, to indemnify our officers and directors against liabilities that may arise by reason of their status or service as directors or officers, other than liabilities arising from willful misconduct. These indemnification agreements also generally require us to advance any expenses incurred by the directors or officers as a result of any proceeding against them as to which they could be indemnified. In addition, we have purchased a policy of directors' and officers' liability insurance that insures our directors and officers against the cost of defense, settlement or payment of a judgment in some circumstances. These indemnification provisions and the indemnification agreements may be sufficiently broad to permit indemnification of our officers and directors for liabilities, including reimbursement of expenses incurred, arising under the Securities Act of 1933, as amended, or the Securities Act.

Item 15. Recent Sales of Unregistered Securities.

Original Issuances of Stock

On March 24, 2021, we converted from a limited liability company to a Delaware corporation and we changed our name to Dermata Therapeutics, Inc., resulting in a new capital structure consisting of common stock and preferred stock, each having a par value of \$0.0001. This conversion resulted in conversion of the prior Dermata members' interests into an aggregate of 65,823,015 shares of our preferred stock (which converted into 231,349 shares of common stock upon the closing of our initial public offering), and 119,438 shares of our common stock.

In connection with our conversion to a Delaware corporation, we also issued warrants exercisable for 1,419,228 shares of our preferred stock (or the Preferred Stock Warrants) and warrants exercisable for 4,081 shares of our common stock (or the Common Stock Warrants). The Preferred Stock Warrants had an exercise price of \$1.00 per share and the Common Stock Warrants have an exercise price of \$91.84 per share. Upon the closing of our initial public offering, all of the outstanding Preferred Stock Warrants were converted into Common Stock Warrants with an exercise price of \$328.00 exercisable for an aggregate of 4,325 shares of common stock.

Convertible Promissory Note Offering

In July 2020, we held the first closing of the Notes for an aggregate principal amount of \$2,330,000, including \$500,000 from Proehl Investment Ventures, LLC. In October 2020, we held the second closing of the Notes for an aggregate principal amount of \$670,000, including \$420,000 from Proehl Investment Ventures, LLC. In February 2021, we held the third closing of the Notes for an aggregate principal amount of \$1,556,000, including \$825,000 from Proehl Investment Ventures, LLC, \$100,000 from the Sean Michael Proehl Irrevocable Trusts Dated December 18, 2020, and \$250,000 from Hale Biopharma Ventures, LLC.

On March 15, 2021, we completed the conversion of \$4,391,000 of Notes into 5,379,247 Series 1d Preferred Units. At that time Proehl Investment Ventures, LLC, Sean Michael Proehl Irrevocable Trusts Dated December 18, 2020 and Hale Biopharma Ventures, LLC held an aggregate principal amount of \$1,745,000, \$100,000 and \$250,000 of Notes, respectively. Mr. Proehl, our President and Chief Executive Officer and a member of the board of directors, is the managing member of Proehl Investment Ventures, LLC and the trustee of Sean Michael Proehl Irrevocable Trusts Dated December 18, 2020. Mr. Hale, a member of the board of directors, is the managing member of Hale Biopharma Ventures, LLC. In addition, Wendell Wierenga, a member of our board of directors, held \$45,000 principal amount of the Notes. Each of Messrs. Proehl, Hale and Wierenga converted their aggregate principal amounts of Notes into Series 1d Preferred Units on March 15, 2021, which units were subsequently converted into shares of our Series 1d Preferred Stock in connection with our conversion to a Delaware corporation. The shares of Series 1d Preferred Stock held by Mr. Proehl, Hale and Wierenga automatically converted into 18,239, 2,448 and 446 shares of common stock, respectively, upon the completion of our initial public offering, at a conversion price equal to \$89.60 (80% of the initial offering price).

The Notes had an interest rate of 4.0% per annum, were unsecured, had a maturity date of December 31, 2021 and provided for conversion into our common stock upon the earlier of (i) qualified Series A Financing (as defined in the Notes) which resulted in aggregate gross proceeds to the Company of at least Ten Million Dollars (\$10,000,000), or (ii) the closing of our initial public offering.

At the closing of our initial public offering the aggregate principal amount and all accrued but unpaid interest on the Notes automatically converted into an aggregate of 2,103 shares of our common stock at a conversion price of \$89.60 per share (which was 80% of the initial offering price).

Stock Options

On March 24, 2021, in connection with our conversion from a limited liability company to a Delaware corporation, we issued common stock options exercisable for an aggregate of 24,887 shares of our common stock. These options have an exercise price of \$91.84 per share.

Underwriter Warrants

Upon the closing of our initial public offering, we issued to the underwriters warrants exercisable for a period of five years from the closing of the initial public offering which entitle the underwriters to purchase 8,035 shares of common stock, at an exercise price equal to 115% of the public offering price, or \$128.80 per share.

Private Placement

On April 20, 2022, we entered into a securities purchase agreement (the “Purchase Agreement”) with the selling stockholder for the issuance and sale of (i) 56,161 shares of common stock, (ii) pre-funded warrants (the “2022 Pre-Funded Warrants”) to purchase up to an aggregate of 179,687 shares of common stock and (iii) Common Warrants (the “2022 Common Warrants” and together with the 2022 Pre-Funded Warrants, the “2022 Warrants”) to purchase up to an aggregate of 235,849 shares of common stock (the “Private Placement”). The purchase price per share of common stock and associated 2022 Common Warrant was \$21.20 and the purchase price per 2022 Pre-Funded Warrant and associated 2022 Common Warrant was \$21.18.

Pursuant to the placement agent agreement entered into between us and Maxim Group LLC (“Maxim”) on April 20, 2022, Maxim acted as our placement agent for the Private Placement. We agreed to pay Maxim a cash fee equal to 7.0% of the gross proceeds received by us in the Private Placement and to reimburse the Maxim up to \$60,000 for its expenses.

The closing of the Private Placement was consummated on April 25, 2022. The gross proceeds from the Private Placement, prior to deducting offering expenses and placement agent fees and expenses payable by us, were approximately \$5.0 million.

Securities Act Exemptions

We deemed the offers, sales and issuances of the securities described above under “Original Issuances of Stock,” “Convertible Promissory Notes,” “Underwriter Warrants” and “Private Placement” to be exempt from registration under the Securities Act in reliance on Section 4(2) of the Securities Act, including Regulation D and Rule 506 promulgated thereunder, relative to transactions by an issuer not involving a public offering. All purchasers of securities in transactions exempt from registration pursuant to Regulation D represented to us that they were accredited investors and were acquiring the shares for investment purposes only and not with a view to, or for sale in connection with, any distribution thereof and that they could bear the risks of the investment and could hold the securities for an indefinite period of time. The purchasers received written disclosures that the securities had not been registered under the Securities Act and that any resale must be made pursuant to a registration statement or an available exemption from such registration.

We deemed the grants of stock options and issuances of common stock upon exercise of such options described above under “Stock Options” to be exempt from registration under the Securities Act in reliance on Rule 701 of the Securities Act as offers and sales of securities under compensatory benefit plans and contracts relating to compensation in compliance with Rule 701. Each of the recipients of securities in any transaction exempt from registration either received or had adequate access, through employment, business or other relationships, to information about us.

Item 16. Exhibits.

Exhibit No.	Description of Document
1.1	Engagement Letter, dated as of November 27, 2022, by and between Dermata Therapeutics, Inc. and H.C. Wainwright & Co., LLC. **
1.2	Amendment No. 1 to the Engagement Letter, dated December 12, 2022, by and between Dermata Therapeutics, Inc. and H.C. Wainwright & Co., LLC. **
3.1	Amended and Restated Certificate of Incorporation of Dermata Therapeutics, Inc. (incorporated by reference to Exhibit 3.2 of the Company's Registration Statement on Form S-1 filed with the SEC on August 6, 2021).
3.2	Amendment No. 1 of the Amended and Restated Certificate of Incorporation of Dermata Therapeutics, Inc., filed with the Secretary of State of the State of Delaware on July 11, 2022 (incorporated by reference to Exhibit 3.1 of the Company's Current Report on Form 8-K filed with the SEC on July 11, 2022).
3.3	Amendment No. 2 of the Amended and Restated Certificate of Incorporation of Dermata Therapeutics, Inc., filed with the Secretary of State of the State of Delaware on March 13, 2023 (incorporated by reference to Exhibit 3.1 of the Company's Current Report on Form 8-K filed with the SEC on March 13, 2023).
3.4	Amended and Restated Bylaws of Dermata Therapeutics, Inc. (incorporated by reference to Exhibit 3.4 of the Company's Registration Statement on Form S-1 filed with the SEC on August 6, 2021).
3.5	Amendment No. 1 to the Amended and Restated Bylaws of Dermata Therapeutics, Inc. (incorporated by reference to Exhibit 3.1 of the Company's Current Report on Form 8-K filed with the SEC on September 23, 2022).
4.1	Specimen Certificate representing shares of common stock of Dermata Therapeutics, Inc. (incorporated by reference to Exhibit 4.1 of the Company's Registration Statement on Form S-1 filed with the SEC on August 6, 2021).
4.2	Form of Common Stock Purchase Warrant (incorporated by reference to Exhibit 4.3 of the Company's Registration Statement on Form S-1 filed with the SEC on August 6, 2021).
4.3	Form of Common Stock Purchase Warrant issued in the Company's Initial Public Offering (incorporated by reference to Exhibit 4.4 of the Company's Registration Statement on Form S-1 filed with the SEC on August 6, 2021).
4.4	Form of Underwriter Warrant issued in the Company's Initial Public Offering (incorporated by reference to Exhibit 4.2 of the Company's Registration Statement on Form S-1 filed with the SEC on August 6, 2021).
4.5	Form of Warrant Agency Agreement between Dermata Therapeutics, Inc. and Direct Transfer, LLC entered into in connection with the Company's Initial Public Offering (incorporated by reference to Exhibit 4.5 of the Company's Registration Statement on Form S-1 filed with the SEC on August 6, 2021).
4.6	Form of Common Stock Warrant issued in the Registered Direct Offering (incorporated by reference to Exhibit 4.1 of the Company's Current Report on Form 8-K filed with the SEC on April 25, 2022).
4.7	Form of Pre-Funded Warrant issued in Registered Direct Offering (incorporated by reference to Exhibit 4.2 of the Company's Current Report on Form 8-K filed with the SEC on April 25, 2022).
4.8	Form of Pre-Funded Warrant issued in this Offering. **
4.9	Form of Common Warrant issued in this Offering. **
4.10	Form of Placement Agent Warrant issued in this Offering. **
5.1	Opinion of Lowenstein Sandler LLP. **
10.1	Form of Indemnification Agreement entered into by Dermata Therapeutics, Inc. and its Officers and Directors (incorporated by reference to Exhibit 10.1 of the Company's Registration Statement on Form S-1 filed with the SEC on August 6, 2021).
10.2	Dermata Therapeutics, Inc. 2021 Equity Incentive Plan (incorporated by reference to Exhibit 10.2 of the Company's Registration Statement on Form S-1 filed with the SEC on August 6, 2021).†

Exhibit No.	Description
10.3	Amendment No. 1 to the Dermata Therapeutics, Inc. 2021 Equity Incentive Plan (incorporated by reference to Exhibit 10.15 of the Company's Registration Statement on Form S-1 filed with the SEC on August 6, 2021).†
10.4	Form of Nonqualified Stock Option Award under 2021 Equity Incentive Plan (incorporated by reference to Exhibit 10.3 of the Company's Registration Statement on Form S-1 filed with the SEC on August 6, 2021).†
10.5	Form of Incentive Stock Option Award under 2021 Equity Incentive Plan (incorporated by reference to Exhibit 10.4 of the Company's Registration Statement on Form S-1 filed with the SEC on August 6, 2021).†
10.6	Employment Agreement dated December 6, 2021 by and between Dermata Therapeutics, Inc. and Gerald T. Proehl (incorporated by reference to Exhibit 10.1 of the Company's Current Report on Form 8-K filed with the SEC on December 10, 2021).†
10.7	Form of Employment Agreement dated August 17, 2021 by and between Dermata Therapeutics, Inc. and Christopher J. Nardo, M.P.H., Ph.D. (incorporated by reference to Exhibit 10.6 of the Company's Registration Statement on Form S-1 filed with the SEC on August 6, 2021).†
10.8	Amendment No. 1 dated December 6, 2021 to the Employment Agreement by and between Dermata Therapeutics, Inc. and Christopher J. Nardo (incorporated by reference to Exhibit 10.4 of the Company's Current Report on Form 8-K filed with the SEC on December 10, 2021). †
10.9	Amendment No. 2 dated January 1, 2022 to the Employment Agreement by and between Dermata Therapeutics, Inc. and Christopher J. Nardo (incorporated by reference to Exhibit 10.9 of the Company's Annual Report on Form 10-K filed with the SEC on March 8, 2022).†
10.10	Amendment No. 3 dated July 1, 2022 to the Employment Agreement by and between Dermata Therapeutics, Inc. and Christopher Nardo (incorporated by reference to Exhibit 10.4 of the Company's Quarterly Report on Form 10-Q filed with the SEC on August 15, 2022). †
10.11	Employment Agreement dated December 6, 2021 by and between Dermata Therapeutics, Inc. and Maria Bedoya Toro Munera, Ph.D., M.B.A. (incorporated by reference to Exhibit 10.3 of the Company's Current Report on Form 8-K filed with the SEC on December 10, 2021).†
10.12	Amendment No. 1 dated January 1, 2022 to the Employment Agreement by and between Dermata Therapeutics, Inc. and Maria Bedoya Toro Munera, Ph.D. (incorporated by reference to Exhibit 10.11 of the Company's Annual Report on Form 10-K filed with the SEC on March 8, 2022).†
10.13	Employment Agreement dated December 6, 2021 by and between Dermata Therapeutics, Inc. and Kyri K. Van Hoose (incorporated by reference to Exhibit 10.2 of the Company's Current Report on Form 8-K filed with the SEC on December 10, 2021).†
10.14	Amendment No. 1 dated January 1, 2022 to the Employment Agreement by and between Dermata Therapeutics, Inc. and Kyri K. Van Hoose. **†
10.15	Supply Agreement between Dermata Therapeutics LLC and Reka-Farm LLC, dated as of February 27, 2020 (incorporated by reference to Exhibit 10.8 of the Company's Registration Statement on Form S-1 filed with the SEC on August 6, 2021).#
10.16	License Agreement between Dermata Therapeutics LLC and Villani, Inc. dated as of March 31, 2017 (incorporated by reference to Exhibit 10.9 of the Company's Registration Statement on Form S-1 filed with the SEC on August 6, 2021).#
10.17	Amended and Restated Annex A to the License Agreement between Dermata Therapeutics LLC and Villani, Inc. dated as of March 31, 2017 (incorporated by reference to Exhibit 10.10 of the Company's Registration Statement on Form S-1 filed with the SEC on August 6, 2021).
10.18	License Amendment and Settlement Agreement between Dermata Therapeutics LLC and Villani, Inc. dated as of June 4, 2019 (incorporated by reference to Exhibit 10.11 of the Company's Registration Statement on Form S-1 filed with the SEC on August 6, 2021).#
10.19	Amendment to the License Amendment and Settlement Agreement between Dermata Therapeutics, Inc. and Villani, Inc., dated July 30, 2021 (incorporated by reference to Exhibit 10.12 of the Company's Registration Statement on Form S-1 filed with the SEC on August 6, 2021).#
10.20	Form of Securities Purchase Agreement Dated April 20, 2022 between Dermata Therapeutics, Inc. and the Purchaser (incorporated by reference to Exhibit 10.1 of the Company's Current Report on Form 8-K filed with the SEC on April 25, 2022).
10.21	Form of Registration Rights Agreement dated April 20, 2022 between Dermata Therapeutics, Inc. and the Purchaser (incorporated by reference to Exhibit 10.2 of the Company's Current Report on Form 8-K filed with the SEC on April 25, 2022).
10.22	Form of Placement Agent Agreement dated April 20, 2022 between the Registrant and Maxim Group LLC (incorporated by reference to Exhibit 10.3 of the Company's Current Report on Form 8-K filed with the SEC on April 25, 2022).
10.23	Form of Securities Purchase Agreement to be entered into in this Offering. **
23.1	Consent of Mayer Hoffman McCann, P.C.*
23.2	Consent of Lowenstein Sandler LLP (included as part of Exhibit 5.1). **
24.1	Power of Attorney.**
107	Filing Fee Table.**

Portions of this exhibit (indicated by asterisks) are omitted in accordance with the rules of the SEC.

* Filed herewith.

** Previously Filed.

† Indicates a management contract or compensation plan, contract or arrangement.

Item 17. Undertakings.

- (1) The undersigned registrant hereby undertakes:
 - (a) 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 SEC pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than 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;
- (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.
- (4) That, for the purpose of determining liability of the registrant under the Securities Act to any purchaser in the initial distribution of the securities, the undersigned registrant hereby undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:
 - (i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424 (§ 230.424 of this chapter);
 - (ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;
 - (iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and
 - (iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.

- (5) 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.
- (6) The undersigned registrant hereby undertakes that:
 - (a) For purposes of determining any liability under the Securities Act, the information omitted from the form of prospectus filed as part of this registration statement in reliance on Rule 430A and contained in a form of prospectus filed by the undersigned registrant pursuant to Rule 424(b)(1) or (4) or 497(h) under the Securities Act shall be deemed to be part of this registration statement as of the time it was declared effective; and
 - (b) For the purpose of determining any liability under the Securities Act, each post-effective amendment that contains a form of prospectus 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.
- (7) Insofar as indemnification for liabilities arising under the Securities Act may be permitted to 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 SEC 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.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized in the City of San Diego, State of California, on March 14, 2023.

DERMATA THERAPEUTICS, INC.

By: /s/ Gerald T. Proehl
Gerald T. Proehl
Chief Executive Officer
(Principal Executive Officer)

By: /s/ Kyri K. Van Hoose
Kyri K. Van Hoose
Chief Financial Officer
(Principal Financial and Accounting Officer)

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons on March 14, 2023 in the capacities indicated.

Signature	Title	Date
<u>/s/ Gerald T. Proehl</u> Gerald T. Proehl	Chief Executive Officer, Chairman (Principal Executive Officer)	March 14, 2023
<u>/s/ Kyri K. Van Hoose</u> Kyri K. Van Hoose	Chief Financial Officer (Principal Financial and Accounting Officer)	March 14, 2023
<u>*</u> David Hale	Lead Director	March 14, 2023
<u>*</u> Wendell Wierenga, Ph.D.	Director	March 14, 2023
<u>*</u> Mary Fisher	Director	March 14, 2023
<u>*</u> Andrew Sandler, M.D.	Director	March 14, 2023
<u>*</u> Steven J. Mento, Ph.D.	Director	March 14, 2023
<u>*</u> Kathleen Scott	Director	March 14, 2023
<u>*</u> Brittany Bradrick	Director	March 14, 2023

* By: /s/ Gerald T. Proehl
Name: Gerald T. Proehl
Title: Attorney-in-fact

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We consent to the incorporation by reference in this Amendment No. 2 to the Registration Statement on Form S-1 and related prospectus of our report dated February 21, 2023, with respect to the financial statements of Dermata Therapeutics, Inc. (formerly Dermata Therapeutics, LLC) (“Company”) as of and for the years ended December 31, 2022 and 2021 (which report includes an explanatory paragraph regarding the existence of substantial doubt about the Company’s ability to continue as a going concern), included in the Company’s Annual Report on Form 10-K for the year ended December 31, 2022, and to the reference to us under the heading “Experts” in the prospectus which is part of this Registration Statement.

/s/ Mayer Hoffman McCann P.C.

San Diego, California
March 14, 2023