

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

FORM S-3

REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933

DERMATA THERAPEUTICS, INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of
incorporation or organization)

86-3218736

(I.R.S. Employer
Identification Number)

**3525 Del Mar Heights Rd., #322
San Diego, CA 92130
(858) 800-2543**

(Address, including zip code, and telephone number,
including area code, of registrant's principal executive offices)

**Gerald T. Proehl
Chief Executive Officer**

**3525 Del Mar Heights Rd., #322
San Diego, CA 92130
Tel: (858) 800-2543**

(Name, address, including zip code, and telephone number,
including area code, of agent for service)

Copies of all communications, including communications sent to the agent for service, to:

**Steven M. Skolnick, Esq.
Michael J. Lerner, Esq.
Lowenstein Sandler LLP
1251 Avenue of the Americas
New York, New York 10020
Telephone: (212) 262-6700**

Approximate date of commencement of proposed sale to the public: From time to time after this Registration Statement becomes effective.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box:

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, other than securities offered only in connection with dividend or interest reinvestment plans, 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 registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

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
Non-accelerated filer

Accelerated filer
Smaller reporting company
Emerging growth company

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

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 which specifically states that this Registration Statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933, as amended, or until the Registration Statement shall become effective on such date as the Commission, acting pursuant to said Section 8(a), may determine.

The information in this preliminary prospectus is not complete and may be changed. The Selling Stockholders may not resell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This preliminary prospectus is not an offer to sell these securities, nor is it a solicitation of offers to buy these securities, in any state where the offer or sale is not permitted.

PRELIMINARY PROSPECTUS

SUBJECT TO COMPLETION

DATED September 19, 2024



5,871,587 Shares of Common Stock

Issuable Upon Exercise of Outstanding Warrants

This prospectus relates to the resale of up to 5,871,587 shares of Dermata Therapeutics, Inc. (the “Company,” “we,” “our” or “us”) common stock, par value \$0.0001 per share, by the Selling Stockholders listed in this prospectus (the “Selling Stockholders”). The shares of common stock registered for resale pursuant to this prospectus consist of (i) 1,912,569 shares of common stock (the “Pre-Funded Warrant Shares”) issuable upon the exercise of pre-funded warrants (the “Pre-Funded Warrants”), (ii) 1,912,569 shares of common stock (the “Series A Warrant Shares”) issuable upon the exercise of Series A warrants (the “Series A Warrants”), (iii) 1,912,569 shares of common stock (the “Series B Warrant Shares”) issuable upon the exercise of Series B warrants (the “Series B Warrants”), and (iv) 133,880 shares of common stock (the “Placement Agent Warrant Shares”) and together with the Pre-Funded Warrant Shares, Series A Warrant Shares and Series B Warrant Shares, the “Warrant Shares”) issuable upon the exercise of certain warrants issued to our placement agent (the “Placement Agent Warrants” and together with the Pre-Funded Warrants, Series A Warrants and Series B Warrants, the “Warrants”). The Warrants were issued to the Selling Stockholders in a private placement offering (the “Private Placement”) which closed on September 17, 2024.

For additional information about the Private Placement, see “*Private Placement*.”

The Pre-Funded Warrants have an exercise price of \$0.001, are immediately exercisable and expire when exercised in full. The Series A Warrants and the Series B Warrants have an exercise price of \$1.58 per share. The Series A Warrants are immediately exercisable until the five and a half (5½) year anniversary of the date of issuance. The Series B Warrants are immediately exercisable until the eighteen (18) month anniversary of the date of issuance. The Placement Agent Warrants have substantially the same terms as the Series A Warrants, except that the Placement Agent Warrants have an exercise price of \$2.2875.

The Selling Stockholders may, from time to time, sell, transfer or otherwise dispose of any or all of their shares of common stock or interests in their shares of common stock on any stock exchange, market or trading facility on which the shares of common stock are traded or in private transactions. These dispositions may be at fixed prices, at prevailing market prices at the time of sale, at prices related to the prevailing market price, at varying prices determined at the time of sale, or at negotiated prices. See “*Plan of Distribution*” in this prospectus for more information. We will not receive any proceeds from the resale or other disposition of the shares of common stock by the Selling Stockholders. However, we will receive the proceeds of any cash exercise of the Warrants. See “*Use of Proceeds*” beginning on page 10 and “*Plan of Distribution*” beginning on page 11 of this prospectus for more information.

Our common stock and certain of our outstanding warrants (the “Public Warrants”) are listed on the Nasdaq Capital Market (“Nasdaq”) under the symbols “DRMA” and “DRMAW,” respectively. On September 18, 2024, the last reported sale price of our common stock and Public Warrants as reported on Nasdaq was \$2.25 and \$0.00089, respectively.

We effected a 1-for-15 reverse stock split on May 16, 2024, pursuant to which every fifteen shares of our issued and outstanding common stock were reclassified as one share of common stock. The reverse stock split had 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, 2023, filed on March 21, 2024, and all other documents incorporated by reference into this prospectus that were filed prior to May 16, 2024, do not give effect to the reverse stock split.

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

An investment in our securities involves a high degree of risk. Before deciding whether to invest in our securities, you should consider carefully the risks and uncertainties described in the section captioned “*Risk Factors*” contained in our Annual Report on Form 10-K for the fiscal year ended December 31, 2023, filed with the Securities and Exchange Commission, or the SEC, on March 21, 2024 and our other filings we make with the Securities and Exchange Commission from time to time, which are incorporated by reference herein in their entirety, together with other information in this prospectus and the information incorporated by reference herein.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

The date of this prospectus is September , 2024.

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PROSPECTUS SUMMARY

This summary highlights information contained elsewhere in this prospectus and the documents incorporated by reference herein. This summary does not contain all of the information that you should consider before deciding to invest in our securities. You should read this entire prospectus carefully, including the section entitled "Risk Factors" beginning on page 5, our consolidated financial statements and the related notes and the other information incorporated by reference into this prospectus before making an investment decision.

This prospectus and the information incorporated by reference herein contain references to trademarks, service marks and trade names owned by us or other companies. Solely for convenience, trademarks, service marks and trade names referred to in this prospectus and the information incorporated by reference herein, including logos, artwork, and other visual displays, may appear without the ® or ® 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, service marks and trade names. We do not intend our use or display of other companies' trade names, service marks or trademarks to imply a relationship with, or endorsement or sponsorship of us by, any other companies. Other trademarks, trade names and service marks appearing in this prospectus and the documents incorporated by reference herein are the property of their respective owners.

Corporate Overview

We are a late-stage medical dermatology company focused on identifying, developing, and commercializing innovative pharmaceutical product candidates for the treatment of medical and aesthetic skin diseases and conditions 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 medical and aesthetic skin diseases and conditions.

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 the 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 30 million diagnosed patients. In December 2023, we began enrolling patients in the first of two Phase 3 clinical trials of DMT310 in moderate-to-severe acne. We expect to receive top-line results from the first Phase 3 trial in Q1 2025. Both Phase 3 studies will be double blinded, randomized, placebo controlled, and enroll about 550 patients, age 9 years or older across sites in the United States and Latin America. The primary endpoints include absolute reduction in inflammatory and noninflammatory lesions and the improvement in investigators global assessment (IGA) of acne. Patients will be treated once a week for 12 weeks with either DMT310 or placebo and will be evaluated monthly. The second Phase 3 study will be followed by a long-term extension study. Previously DMT310 has shown its 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 DMT310 achieving 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 IGA). In addition, based on the multiple mechanisms of action and anti-inflammatory effect seen with the 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 (3% hydrogen peroxide) immediately prior to application by the patient to form an easy-to-apply paste. The paste is applied like 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 the 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, BOTOX®, is the only approved botulinum toxin 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 a botulinum toxin, like BOTOX®, into the dermis could have similar levels of efficacy to intradermal injections, with fewer tolerability issues, and a quicker application time, possibly replacing the need for intradermal injections. We first tested DMT410 with BOTOX® 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 BOTOX®, we believe there could be significant opportunity for DMT410 to break into this market and replace intradermal injections of botulinum toxin with a topical delivery option. 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 with BOTOX® 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. Given that BOTOX® is a Type A toxin, and acts through a similar pathway as other Type A botulinum toxins, we are discussing partnering opportunities with multiple companies that have a botulinum toxin type A to move our DMT410 program into additional clinical studies, including in hyperhidrosis, acne, and rosacea.

May 2024 Reverse Stock Split

We effected a 1-for-15 reverse stock split (the “Reverse Stock Split”) on May 16, 2024, pursuant to which every fifteen shares of our issued and outstanding common stock were reclassified as one share of common stock. The reverse stock split had 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, 2023, filed on March 21, 2024, and all other documents incorporated by reference into this prospectus that were filed prior to May 16, 2024, do not give effect to the Reverse Stock Split.

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 mailing address is 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 by the Selling Stockholders	Up to 5,871,587 shares of common stock, which are comprised of (i) 1,912,569 shares of common stock issuable upon exercise of the Pre-Funded Warrants, (ii) 1,912,569 shares of common stock issuable upon exercise of the Series A Warrants, (iii) 1,912,569 shares of common stock issuable upon exercise of the Series B Warrants, and (iv) 133,880 shares of common stock issuable upon exercise of the Placement Agent Warrants.
Use of Proceeds	We will not receive any proceeds from the shares of common stock offered by the Selling Stockholders pursuant to this prospectus. However, we will receive the proceeds of any cash exercise of the Warrants. We intend to use the net proceeds from any cash exercise of the Warrants for working capital and general corporate purposes. Please see the section entitled see “ <i>Use of Proceeds</i> ” on page 9 of this prospectus for a more detailed discussion.
National Securities Exchange Listing	Our common stock and our Public Warrants are currently listed on Nasdaq under the symbols “DRMA” and “DRMAW,” respectively.
Risk Factors	An investment in our securities involves a high degree of risk. Please see the section entitled “ <i>Risk Factors</i> ” beginning on page 5 of this prospectus. In addition before deciding whether to invest in our securities, you should consider carefully the risks and uncertainties described in the section captioned “ <i>Risk Factors</i> ” contained in our Annual Report on Form 10-K for the fiscal year ended December 31, 2023 filed with the SEC on March 21, 2024, and other filings we make with the SEC from time to time, which are incorporated by reference herein in their entirety, together with other information in this prospectus and the information incorporated by reference herein.

RISK FACTORS

An investment in our securities involves a high degree of risk. Before deciding whether to invest in our securities, you should consider carefully the risks and uncertainties described in the section captioned “*Risk Factors*” contained in our Annual Report on Form 10-K for the fiscal year ended December 31, 2023 filed with the SEC on March 21, 2024, as supplemented by our Quarterly Reports on Form 10-Q filed with SEC on May 15, 2024 and August 7, 2024, and our other filings we make with the SEC from time to time, which are incorporated by reference herein in their entirety, together with other information in this prospectus and the information incorporated by reference herein. If any of these risks actually occurs, our business, financial condition, results of operations or cash flow could suffer materially. In such an event, the trading price of our shares of common stock could decline, and you might lose all or part of your investment.

CAUTIONARY NOTE REGARDING 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, (the “Securities Act”) and Section 21E of the Exchange Act of 1934, as amended (the “Exchange Act”). 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 various 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 adequately support organizational and business growth; and
- other factors discussed in our most recent Annual Report on Form 10-K.

The foregoing does not represent an exhaustive list of matters that may be covered by the forward-looking statements contained herein, or those documents incorporated by reference, or risk factors that we are faced with that may cause our actual results to differ from those anticipated in our forward-looking statements. Please see “*Risk Factors*” for additional risks which could adversely impact our business and financial performance.

All forward-looking statements are expressly qualified in their entirety by this cautionary notice. You are cautioned not to 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. We have no obligation, and expressly disclaim 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 we believe they have a reasonable basis. However, we cannot assure you that our expectations, beliefs, or projections will result or be achieved or accomplished.

PRIVATE PLACEMENT

On September 16, 2024, we entered into securities purchase agreement (the “Purchase Agreement”) with an institutional investor for the issuance and sale in a private placement (the “Private Placement”) of (i) Pre-Funded Warrants to purchase up to 1,912,569 shares of common stock, with an exercise price of \$0.001 per share, (ii) Series A Warrants to purchase up to 1,912,569 shares of common stock, with an exercise price of \$1.58 per share, and (iii) Series B Warrants to purchase up to 1,912,569 shares of common stock with an exercise price of \$1.58 per share. The Pre-Funded Warrants are immediately exercisable and expire when exercised in full. The Series A Warrants are exercisable immediately upon issuance and have a term of exercise equal to five and one-half (5½) years from the date of issuance. The Series B Warrants are exercisable immediately upon issuance and have a term of exercise equal to eighteen (18) months from the date of issuance. The combined purchase price per Pre-Funded Warrant and accompanying Warrants was \$1.829. The Private Placement closed on September 17, 2024.

In connection with the Private Placement, we entered into a registration rights agreement (the “Registration Rights Agreement”), dated as of September 16, 2024, with the investor, pursuant to which we agreed to prepare and file a registration statement registering the resale of the shares of common stock underlying the Pre-Funded Warrants, Series A Warrants and Series B Warrants no later than fifteen (15) days after the date of the Registration Rights Agreement, and to use our best efforts to have the registration statement declared effective as promptly as practical thereafter, and in any event no later than forty-five (45) days following the date of the Registration Rights Agreement (or seventy-five (75) days following the date of the Registration Rights Agreement in the event of a “full review” by the SEC). We have filed the registration statement of which this prospectus forms a part pursuant to the Registration Rights Agreement.

H.C. Wainwright & Co., LLC (the “Placement Agent”) served as our exclusive placement agent in connection with the Private Placement, pursuant to that certain engagement letter, dated as of September 10, 2024, between the Company and Wainwright (the “Engagement Letter”). Pursuant to the Engagement Letter, we paid the Placement Agent (i) a total cash fee equal to 7.0% of the aggregate gross proceeds of the Private Placement, (ii) a management fee of 1.0% of the aggregate gross proceeds of the Private Placement, (iii) a non-accountable expense allowance of \$25,000, and (iv) \$40,000 for legal fees and other out-of-pocket expenses. In addition, in connection with the Private Placement, we issued the Placement Agent or its designees the Placement Agent Warrants.

SELLING STOCKHOLDERS

This prospectus covers the resale or other disposition by the Selling Stockholders identified in the table below of up to an aggregate 5,871,587 shares of our common stock issuable upon the exercise of the Warrants. The Selling Stockholders acquired their securities in the transactions described above under the heading “*Private Placement*.”

The Warrants held by the Selling Stockholders contain limitations which prevent the holder from exercising such Warrants if such exercise would cause the Selling Stockholder, together with certain related parties, to beneficially own a number of shares of common stock which would exceed 4.99% (or, at the election of the holder, 9.99%) of our then outstanding shares of common stock following such exercise, excluding for purposes of such determination, shares of common stock issuable upon exercise of the Warrants which have not been exercised.

The table below sets forth, as of September 17, 2024, the following information regarding the Selling Stockholders:

- the names of the Selling Stockholders;
- the number of shares of common stock owned by the Selling Stockholders prior to this offering, without regard to any beneficial ownership limitations contained in the Warrants;
- the number of shares of common stock to be offered by the Selling Stockholders in this offering;
- the number of shares of common stock to be owned by the Selling Stockholders assuming the sale of all of the shares of common stock covered by this prospectus; and
- the percentage of our issued and outstanding shares of common stock to be owned by Selling Stockholders assuming the sale of all of the shares of common stock covered by this prospectus based on the number of shares of common stock issued and outstanding as of September 17, 2024.

Except as described above, the number of shares of common stock beneficially owned by the Selling Stockholder has been determined in accordance with Rule 13d-3 under the Exchange Act and includes, for such purpose, shares of common stock that the Selling Stockholder has the right to acquire within 60 days of September 17, 2024.

All information with respect to the common stock ownership of the Selling Stockholders has been furnished by or on behalf of the Selling Stockholders. We believe, based on information supplied by the Selling Stockholders, that except as may otherwise be indicated in the footnotes to the table below, the Selling Stockholder has sole voting and dispositive power with respect to the shares of common stock reported as beneficially owned by the Selling Stockholders. Because the Selling Stockholders identified in the table may sell some or all of the shares of common stock beneficially owned by them and covered by this prospectus, and because there are currently no agreements, arrangements or understandings with respect to the sale of any of the shares of common stock, no estimate can be given as to the number of shares of common stock available for resale hereby that will be held by the Selling Stockholders upon termination of this offering. In addition, the Selling Stockholders may have sold, transferred or otherwise disposed of, or may sell, transfer or otherwise dispose of, at any time and from time to time, the shares of common stock they beneficially own in transactions exempt from the registration requirements of the Securities Act after the date on which they provided the information set forth in the table below. We have, therefore, assumed for the purposes of the following table, that the Selling Stockholders will sell all of the shares of common stock owned beneficially by it that are covered by this prospectus, but will not sell any other shares of common stock that they presently own. Except as set forth below, the Selling Stockholders have not held any position or office, or have otherwise had a material relationship, with us or any of our subsidiaries within the past three years other than as a result of the ownership of our shares of common stock or other securities.

Name of Selling Stockholders	Shares Owned prior to Offering	Shares Offered by this Prospectus	Shares Owned after Offering	Percentage of Shares Beneficially Owned after Offering (1)
Armistice Capital, LLC (2)	6,748,394(3)	5,737,707	1,010,687	9.99%
Noam Rubinstein (4)	62,216	42,172	20,044	1.29%
Craig Schwabe (4)	6,664	4,518	2,146	*
Michael Vasinkevich (4)	126,656	85,851	40,805	2.56%
Charles Worthman (4)	1,975	1,339	636	*

* Less than 1.0%.

- (1) Percentages are based on 1,510,199 shares of common stock outstanding as of September 17, 2024
- (2) The securities are directly held by Armistice Capital Master Fund Ltd., a Cayman Islands exempted company (the “Master Fund”) and may be deemed to be beneficially owned by: (i) Armistice Capital, LLC (“Armistice Capital”), as the investment manager of the Master Fund; and (ii) Steven Boyd, as the Managing Member of Armistice Capital. The number of shares listed in the second and fourth columns are based on the number of shares of common stock and warrants held by the Master Fund, assuming exercise in full of the warrants without regard to any limitations on exercise, but the percentage set forth in the fifth column is limited by the beneficial ownership blockers. The address of Armistice Capital Master Fund Ltd. is c/o Armistice Capital, LLC, 510 Madison Avenue, 7th Floor, New York, NY 10022.
- (3) Contains (i) Pre-Funded Warrants to purchase up to 1,912,569 shares of common stock, subject to a beneficial ownership blocker of 9.99%, (ii) Series A Warrants to purchase up to 1,912,569 shares of common stock, subject to a beneficial ownership blocker of 9.99%, and (iii) Series B Warrants to purchase up to 1,912,569 shares of common stock, subject to a beneficial ownership blocker of 9.99%.
- (4) Each of the Selling Stockholders is affiliated with H.C. Wainwright & Co., LLC, a registered broker dealer with a registered address of H.C. Wainwright & Co., LLC, 430 Park Ave, 3rd Floor, New York, NY 10022, and has sole voting and dispositive power over the securities held. The number of shares beneficially owned prior to this offering consist of shares of common stock issuable upon exercise of the Placement Agent Warrants and other warrants received as compensation in connection with offerings consummated by us in March 2023, May 2023, November 2023 and May 2024. The Selling Stockholder acquired the Placement Agent Warrants in the ordinary course of business and, at the time the Placement Agent Warrants were acquired, the Selling Stockholder had no agreement or understanding, directly or indirectly, with any person to distribute such securities. H.C. Wainwright & Co., LLC served as our exclusive placement agent in connection with the Private Placement, for which it received compensation.

USE OF PROCEEDS

The common stock to be offered and sold using this prospectus will be offered and sold by the Selling Stockholders named in this prospectus. Accordingly, we will not receive any proceeds from any sale of shares of common stock in this offering. We will pay all of the fees and expenses incurred by us in connection with this registration. However, we will receive the proceeds of any cash exercise of the Warrants. We intend to use the net proceeds from any cash exercise of the Warrants for working capital and general corporate purposes.

PLAN OF DISTRIBUTION

Each Selling Stockholder of the securities and any of their pledgees, assignees and successors-in-interest may, from time to time, sell any or all of their securities covered hereby on The Nasdaq Capital Market or any other stock exchange, market or trading facility on which the securities are traded or in private transactions. These sales may be at fixed or negotiated prices. A Selling Stockholder may use any one or more of the following methods when selling securities:

- ordinary brokerage transactions and transactions in which the broker-dealer solicits purchasers;
- block trades in which the broker-dealer will attempt to sell the securities as agent but may position and resell a portion of the block as principal to facilitate the transaction;
- purchases by a broker-dealer as principal and resale by the broker-dealer for its account;
- an exchange distribution in accordance with the rules of the applicable exchange;
- privately negotiated transactions;
- settlement of short sales;
- in transactions through broker-dealers that agree with the Selling Stockholders to sell a specified number of such securities at a stipulated price per security;
- through the writing or settlement of options or other hedging transactions, whether through an options exchange or otherwise;
- a combination of any such methods of sale; or
- any other method permitted pursuant to applicable law.

The Selling Stockholders may also sell securities under Rule 144 or any other exemption from registration under the Securities Act, if available, rather than under this prospectus.

Broker-dealers engaged by the Selling Stockholders may arrange for other brokers-dealers to participate in sales. Broker-dealers may receive commissions or discounts from the Selling Stockholders (or, if any broker-dealer acts as agent for the purchaser of securities, from the purchaser) in amounts to be negotiated, but, except as set forth in a supplement to this Prospectus, in the case of an agency transaction not in excess of a customary brokerage commission in compliance with FINRA Rule 2121; and in the case of a principal transaction a markup or markdown in compliance with FINRA Rule 2121.

In connection with the sale of the securities or interests therein, the Selling Stockholders may enter into hedging transactions with broker-dealers or other financial institutions, which may in turn engage in short sales of the securities in the course of hedging the positions they assume. The Selling Stockholders may also sell securities short and deliver these securities to close out their short positions, or loan or pledge the securities to broker-dealers that in turn may sell these securities. The Selling Stockholders may also enter into option or other transactions with broker-dealers or other financial institutions or create one or more derivative securities which require the delivery to such broker-dealer or other financial institution of securities offered by this prospectus, which securities such broker-dealer or other financial institution may resell pursuant to this prospectus (as supplemented or amended to reflect such transaction).

The Selling Stockholders and any broker-dealers or agents that are involved in selling the securities may be deemed to be “underwriters” within the meaning of the Securities Act in connection with such sales. In such event, any commissions received by such broker-dealers or agents and any profit on the resale of the securities purchased by them may be deemed to be underwriting commissions or discounts under the Securities Act. Each Selling Stockholder has informed us that it does not have any written or oral agreement or understanding, directly or indirectly, with any person to distribute the securities.

We are required to pay certain fees and expenses incurred by us incident to the registration of the securities. We have agreed to indemnify the Selling Stockholders against certain losses, claims, damages and liabilities, including liabilities under the Securities Act.

We agreed to keep this prospectus effective until the earlier of (i) the date on which the securities may be resold by the Selling Stockholders without registration and without regard to any volume or manner-of-sale limitations by reason of Rule 144, without the requirement for the Company to be in compliance with the current public information under Rule 144 under the Securities Act or any other rule of similar effect or (ii) all of the securities have been sold pursuant to this prospectus or Rule 144 under the Securities Act or any other rule of similar effect. The resale securities will be sold only through registered or licensed brokers or dealers if required under applicable state securities laws. In addition, in certain states, the resale securities covered hereby may not be sold unless they have been registered or qualified for sale in the applicable state or an exemption from the registration or qualification requirement is available and is complied with.

Under applicable rules and regulations under the Exchange Act, any person engaged in the distribution of the resale securities may not simultaneously engage in market making activities with respect to the common stock for the applicable restricted period, as defined in Regulation M, prior to the commencement of the distribution. In addition, the Selling Stockholders will be subject to applicable provisions of the Exchange Act and the rules and regulations thereunder, including Regulation M, which may limit the timing of purchases and sales of the common stock by the Selling Stockholders or any other person. We will make copies of this prospectus available to the Selling Stockholders and have informed them of the need to deliver a copy of this prospectus to each purchaser at or prior to the time of the sale (including by compliance with Rule 172 under the Securities Act).

Our common stock is quoted on Nasdaq under the symbol "DRMA."

DESCRIPTION OF SECURITIES

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 Amended and Restated Certificate of Incorporation, as amended (the "Certificate of Incorporation") and Amended and Restated Bylaws, as amended (the "Bylaws") copies of which are filed as exhibits to the registration statement of which this prospectus forms a part.

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. 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.

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 Delaware General Corporation Law (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 is currently listed on Nasdaq under the symbol "DRMA."

LEGAL MATTERS

The validity of the shares of common stock offered hereby will be passed upon for us by Lowenstein Sandler LLP, New York, New York.

EXPERTS

The financial statements of Dermata Therapeutics, Inc. as of and for the year ended December 31, 2023 and the adjustments to the 2022 financial statements to retrospectively reflect the impact of a reverse stock split incorporated in this prospectus by reference from the Annual Report on Form 10-K of the Company for the year ended December 31, 2023, have been audited by Moss Adams LLP, an independent registered public accounting firm, as stated in their report (which report expresses an unqualified opinion and includes an explanatory paragraph relating to a going concern uncertainty), which is incorporated herein by reference. Such financial statements are incorporated by reference in reliance upon the report of such firm given their authority as experts in accounting and auditing.

The financial statements, before the effects of the adjustments to retrospectively apply the reverse stock split described in Note 1, of Dermata Therapeutics, Inc. as of and for the year ended December 31, 2022, appearing in the Company's Annual Report on Form 10-K for the year ended December 31, 2023, have been audited by CBIZ CPAs P.C., (formerly 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.

WHERE YOU CAN FIND MORE INFORMATION

We have filed with the SEC a registration statement on Form S-3 under the Securities Act with respect to the shares of common stock offered by this prospectus. This prospectus, which is part of the registration statement, omits certain information, exhibits, schedules and undertakings set forth in the registration statement. For further information pertaining to us and our securities, reference is made to our SEC filings and the registration statement and the exhibits and schedules to the registration statement. Statements contained in this prospectus as to the contents or provisions of any documents referred to in this prospectus are not necessarily complete, and in each instance where a copy of the document has been filed as an exhibit to the registration statement, reference is made to the exhibit for a more complete description of the matters involved.

In addition, registration statements and certain other filings made with the SEC electronically are publicly available through the SEC's web site at <http://www.sec.gov>. The registration statement, including all exhibits and amendments to the registration statement, has been filed electronically with the SEC.

We are subject to the information and periodic reporting requirements of the Securities Exchange Act of 1934, as amended, and, in accordance with such requirements, will file periodic reports, proxy statements, and other information with the SEC. These periodic reports, proxy statements, and other information will be available for inspection and copying at the web site of the SEC referred to above. We also maintain a website at <https://www.dermatarx.com>, at which you may access these materials free of charge as soon as reasonably practicable after they are electronically filed with, or furnished to, the SEC. The information contained in, or that can be accessed through, our website is not part of, and is not incorporated into, this prospectus. We have included our website address in this prospectus solely as an inactive textual reference.

INCORPORATION OF CERTAIN INFORMATION 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 and any accompanying prospectus supplement.

We incorporate by reference the documents listed below that we have previously filed with the SEC:

- our Annual Report on Form 10-K for the year ended December 31, 2023, as filed with the SEC on [March 21, 2024](#);
- the portions of our definitive proxy statement on Schedule 14A incorporated by reference to our Annual Report on Form 10-K for the year ended December 31, 2023, as filed with the SEC on [March 26, 2024](#);
- our Quarterly Report on Form 10-Q for the quarters ended March 31, 2024 and June 30, 2024, as filed with the SEC on [May 15, 2024](#) and [August 7, 2024](#), respectively;
- our Current Reports on Form 8-K as filed with the SEC on [January 12, 2024](#), [May 7, 2024](#), [May 14, 2024](#), [May 15, 2024](#), [May 17, 2024](#), [May 24, 2024](#), [June 5, 2024](#), [June 7, 2024](#), [August 2, 2024](#) and [September 17, 2024](#) (other than any portions thereof deemed furnished and not filed); and
- the description of our common stock and warrants contained in our Registration Statement on Form 8-A filed with the SEC on [August 11, 2021](#), including any amendments and reports filed for the purpose of updating such description, including the description of our common stock included as Exhibit 4.12 to our Annual Report on Form 10-K for the year ended December 31, 2023, filed with the SEC on [March 21, 2024](#).

All reports and other documents that we file with the SEC under Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act after the date of the initial registration statement and prior to effectiveness of the registration statement, and after the date of this prospectus but before the termination of the offering of the securities hereunder will also be considered to be incorporated by reference into this prospectus from the date of the filing of these reports and documents, and will supersede the information herein; provided, however, that all reports, exhibits and other information that we “furnish” to the SEC will not be considered incorporated by reference into this prospectus. We undertake to provide without charge to each person (including any beneficial owner) who receives a copy of this prospectus, upon written or oral request, a copy of all of the preceding documents that are incorporated by reference (other than exhibits, unless the exhibits are specifically incorporated by reference into these documents). You may request a copy of these materials in the manner set forth under the heading “*Where You Can Find More Information*,” above.

We will provide you without charge, upon your oral or written request, with a copy of any or all reports, proxy statements and other documents we file with the SEC, as well as any or all of the documents incorporated by reference in this prospectus or the registration statement (other than exhibits to such documents unless such exhibits are specifically incorporated by reference into such documents). Requests for such copies should be directed to:

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

**5,871,587 Shares of Common Stock
Issuable Upon Exercise of Outstanding Warrants**



PROSPECTUS

September , 2024

PART II

INFORMATION NOT REQUIRED IN PROSPECTUS

Item 14. Other Expenses of Issuance and Distribution.

The following table indicates the expenses to be incurred in connection with the offering described in this registration statement, other than underwriting discounts and commissions, all of which will be paid by us. All amounts are estimated except the Securities and Exchange Commission registration fee.

	Amount
SEC Registration Fee	\$ 1,308.64
Legal Fees and Expenses	35,000
Accounting Fees and Expenses	35,000
Transfer Agent and Registrar fees and expenses	3,000
Miscellaneous Expenses	1,000
Total expenses	\$ 75,308.64

Item 15. 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, as amended, 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 16. Exhibits

Exhibit No.	Description
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	Amendment No. 3 of the Amended and Restated Certificate of Incorporation of Dermata Therapeutics, Inc., filed with the Secretary of State of the State of Delaware on May 14, 2024 (incorporated by reference to Exhibit 3.1 of the Company’s Current Report on Form 8-K filed with the SEC on May 14, 2024).
3.5	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).
3.6	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	Form of Pre-Funded Warrant (incorporated by reference to Exhibit 4.1 of the Company’s Current Report on Form 8-K filed with the SEC on September 17, 2024).
4.2	Form of Warrant (incorporated by reference to Exhibit 4.2 of the Company’s Current Report on Form 8-K filed with the SEC on September 17, 2024).
4.3	Form of Placement Agent Warrant (incorporated by reference to Exhibit 4.3 of the Company’s Current Report on Form 8-K filed with the SEC on September 17, 2024).
5.1*	Opinion of Lowenstein Sandler LLP.
10.1	Form of Securities Purchase Agreement (incorporated by reference to Exhibit 10.1 of the Company’s Current Report on Form 8-K filed with the SEC on September 17, 2024).
10.2	Form of Securities Registration Rights Agreement (incorporated by reference to Exhibit 10.2 of the Company’s Current Report on Form 8-K filed with the SEC on September 17, 2024).
23.1*	Consent of Independent Registered Public Accounting Firm – Moss Addams LLP
23.2*	Consent of Independent Registered Public Accounting Firm – CBIZ CPAs P.C.
23.2*	Consent of Lowenstein Sandler LLP (Included in Exhibit 5.1).
24.1*	Power of Attorney (included in the signature page)
107*	Filing Fee Table.

* Filed herewith.

Item 17. Undertakings

The undersigned registrant hereby undertakes:

- 1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:
 - a. To include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;
 - b. To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement;
 - c. To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement.

Provided, however, That: Paragraphs (1)(a), (1)(b) and (1)(c) above do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in periodic reports filed with or furnished to the Commission by the registrant pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

- 2) That, for the purpose of determining any liability under the Securities Act of 1933, 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 under the Securities Act of 1933 to any purchaser:
 - a. If the registrant is relying on Rule 430B:
 - i. Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and
 - ii. Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5), or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii), or (x) for the purpose of providing the information required by section 10(a) of the Securities Act of 1933 shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof. Provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.

- b. If the registrant is subject to Rule 430C, each prospectus filed pursuant to Rule 424(b) as part of a registration statement relating to an offering, other than registration statements relying on Rule 430B or other than prospectuses filed in reliance on Rule 430A, shall be deemed to be a part of and included in the registration statement as of the date it is first used after effectiveness. Provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such first use, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such date of first use.
- 5) That, for the purpose of determining liability of the registrant under the Securities Act of 1933 to any purchaser in the initial distribution of the securities, the undersigned registrant undertakes that in a primary offering of securities of the 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 registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:
- a. Any preliminary prospectus or prospectus of the registrant relating to the offering required to be filed pursuant to Rule 424;
 - b. 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;
 - c. The portion of any free writing prospectus relating to the offering containing material information about the registrant or its securities provided by or on behalf of the registrant; and
 - d. Any other communication that is an offer in the offering made by a registrant to the purchaser.
- 6) That, for the purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934) 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.
- 7) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrant pursuant to the forgoing provisions, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the 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 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 certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and 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 September 19, 2024.

DERMATA THERAPEUTICS, INC.

By: /s/ Gerald T. Proehl
Gerald T. Proehl
President, Chief Executive Officer and Chairman of the Board

POWER OF ATTORNEY AND SIGNATURES

Each person whose signature appears below constitutes and appoints Gerald T. Proehl and Kyri K. Van Hoose and each of them singly, his or her true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any and all amendments (including, without limitation, post-effective amendments) to this registration statement and any and all additional registration statements pursuant to Rule 462(b) of the Securities Act and to file the same, with all exhibits thereto and all other documents in connection therewith, with the SEC, granting unto each said attorney-in-fact and agent full power and authority to do and perform each and every act in person, hereby ratifying and confirming all that said attorneys-in-fact and agents or either of them or their, his or her substitute or substitutes may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed by the following persons on behalf of the registrant in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Gerald T. Proehl</u> Gerald T. Proehl	Chief Executive Officer, Chairman (Principal Executive Officer)	September 19, 2024
<u>/s/ Kyri K. Van Hoose</u> Kyri K. Van Hoose	Chief Financial Officer (Principal Financial and Accounting Officer)	September 19, 2024
<u>/s/ David Hale</u> David Hale	Lead Director	September 19, 2024
<u>/s/ Wendell Wierenga</u> Wendell Wierenga, Ph.D.	Director	September 19, 2024
<u>/s/ Mary Fisher</u> Mary Fisher	Director	September 19, 2024
<u>/s/ Andrew Sandler</u> Andrew Sandler, M.D.	Director	September 19, 2024
<u>/s/ Steven J. Mento</u> Steven J. Mento, Ph.D.	Director	September 19, 2024
<u>/s/ Kathleen Scott</u> Kathleen Scott	Director	September 19, 2024
<u>/s/ Brittany Bradrick</u> Brittany Bradrick	Director	September 19, 2024



September 19, 2024

Dermata Therapeutics, Inc.
3525 Del Mar Heights, Rd., #322
San Diego, CA 92130

Ladies and Gentlemen:

We have acted as counsel to Dermata Therapeutics, Inc., a Delaware corporation (the “**Company**”), in connection with the Company’s Registration Statement on Form S-3 (the “**Registration Statement**”) under the Securities Act of 1933, as amended (the “**Securities Act**”). The Registration Statement relates to the offer and sale by the selling stockholders identified therein of up to 5,871,587 shares of the Company’s common stock, par value \$0.0001 per share (the “**Common Stock**”). Such shares of Common Stock consist of: (i) 1,912,569 shares of Common Stock (the “**Pre-Funded Warrant Shares**”) issuable upon the exercise of pre-funded warrants (the “**Pre-Funded Warrants**”); (ii) 1,912,569 shares of Common Stock (the “**Series A Warrant Shares**”) issuable upon the exercise of series A warrants (the “**Series A Warrants**”); (iii) 1,912,569 shares of Common Stock (the “**Series B Warrant Shares**”) issuable upon the exercise of series B warrants (the “**Series B Warrants**”); and (iv) 133,880 shares of Common Stock (the “**PA Warrant Shares**”) and together with the Pre-Funded Warrant Shares, the Series A Warrant Shares and the Series B Warrant Shares, the “**Warrant Shares**”) issuable upon the exercise of placement agent warrants (the “**PA Warrants**”) and together with the Pre-Funded Warrants, the Series A Warrants and the Series B Warrants, the “**Warrants**”).

In connection with rendering this opinion, we have examined the Amended and Restated Certificate of Incorporation, as amended, and the Amended and Restated Bylaws of the Company, as amended, the forms of the Warrants, and such other corporate records, agreements, documents and instruments, and such certificates or comparable documents of public officials and of officers and representatives of the Company, and we have made such inquiries of such officers and representatives, as we have deemed necessary or appropriate for the purposes of this opinion.

In such examination, we have assumed the genuineness of all signatures, the legal capacity of all natural persons, the authenticity of all documents submitted to us as originals, the conformity of original documents of all documents submitted to us as certified, conformed or photostatic copies and the authenticity of the originals of such latter documents. As to all questions of fact material to these opinions that have not been independently established, we have relied upon certificates or comparable documents of officers and representatives of the Company.

Based on the foregoing, and subject to the qualifications stated herein, we are of the opinion that when issued in accordance with the terms of the Warrants, the Warrant Shares will be duly authorized, validly issued, fully paid and non-assessable.

The opinions expressed herein are limited to the corporate laws of the State of Delaware, and we express no opinion as to the effect on the matters covered by this letter of the laws of any other jurisdiction.

We hereby consent to the filing of a copy of this opinion letter as an exhibit to the Registration Statement. In giving such consent, we do not thereby admit that we are in the category of persons whose consent is required under Section 7 of the Act.

Very truly yours,

/s/ Lowenstein Sandler LLP
Lowenstein Sandler LLP

Consent of Independent Registered Public Accounting Firm

We consent to the incorporation by reference in this Registration Statement on Form S-3 of Dermata Therapeutics, Inc. (the “Company”) of our report dated March 21, 2024, related to the financial statements of the Company as of and for the year ended December 31, 2023 and the adjustments to the 2022 financial statements to retrospectively reflect the impact of a reverse stock split (which report expresses an unqualified opinion and includes an explanatory paragraph relating to a going concern uncertainty), appearing in the Annual Report on Form 10-K of the Company for the year ended December 31, 2023, filed with the Securities and Exchange Commission. We also consent to the reference to us under the heading “Experts” in such Registration Statement.

/s/ Moss Adams LLP

San Diego, California
September 19, 2024

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We consent to the incorporation by reference in this Registration Statement on Form S-3 and related prospectus, of our report dated February 21, 2023 (which report includes an explanatory paragraph relating to the existence of substantial doubt about the Company's ability to continue as a going concern), with respect to the financial statements, before the effects of the adjustments to retrospectively apply the reverse stock split described in Note 1, of Dermata Therapeutics, Inc. as of and for the year ended December 31, 2022, included in the Company's Annual Report on Form 10-K for the year ended December 31, 2023, and to the reference to us under the heading "Experts" in the prospectus which is part of this Registration Statement.

/s/ CBIZ CPAs P.C.¹

San Diego, California
September 19, 2024

¹ In certain jurisdictions, CBIZ CPAs P.C. operates under its previous name, Mayer Hoffman McCann P.C.

Calculation of Filing Fee Tables

Form S-3
(Form Type)

Dermata Therapeutics, Inc.
(Exact Name of Registrant as Specified in its Charter)

	Security Type	Security Class Title	Fee Calculation or Carry Forward Rule	Amount Registered (1)	Proposed Maximum Offering Price Per Unit (2)	Maximum Aggregate Offering Price (1)	Fee Rate	Amount of Registration Fee
Fees to Be Paid	Equity	Common Stock, par value \$0.0001 per share	Other	5,871,587	\$ 1.51	\$8,866,096.37	0.00014760	\$ 1,308.64
		Total Offering Amounts						\$ 1,308.64
		Total Fees Previously Paid						\$ 0
		Total Fee Offsets						\$ 0
		Net Fee Due						\$ 1,308.64

- (1) Pursuant to Rule 416 under the Securities Act of 1933, as amended (the "Securities Act"), there is also being registered hereby such indeterminate number of additional common shares as may be issued or issuable because of stock splits, stock dividends stock distributions, and similar transactions.
- (2) Estimated solely for the purpose of calculating the registration fee pursuant to Rule 457(c) under the Securities Act based on a per share price of \$1.51, the average of the high \$1.60 and low \$1.42 reported sales prices of the registrant's common stock on the Nasdaq Capital Market on September 12, 2024.