





Item 5.02 Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.

(e) 2018 Bonuses

On February 6, 2019, the compensation committee (the “Compensation Committee”) of the board of directors (the “Board”) of Miragen Therapeutics, Inc. (“Miragen,” the “Company,” “we,” “our” or “us”) approved the payment of cash bonuses to our principal executive officer, principal financial officer and our other executive officers (the “Executive Officers”) based on the achievement in 2018 of corporate and individual performance goals previously approved by the Compensation Committee. The amounts awarded to the Executive Officers were as follows:

Executive Officer and Principal Position	Bonus Amount
William S. Marshall, Ph.D. President and Chief Executive Officer	\$ 147,000
Jason A. Leverone Chief Financial Officer, Secretary and Treasurer	\$ 71,400
Adam S. Levy Chief Business Officer	\$ 82,800
Paul D. Rubin, M.D. Executive Vice President, Research and Development	\$ 98,400

**Stock Options**  
On February 6, 2019, the Compensation Committee approved the grant of stock options to certain of our employees, including each of the Executive Officers (the “Options”). The Options were granted under and in accordance with the terms and conditions of our 2016 Equity Incentive Plan (the “Plan”) and the Form of Stock Option Grant Notice and Option Agreement for the Plan (the “Related Agreements”) filed with the SEC as Exhibits 10.37 and 10.38 to our Registration Statement on Form S-4 (File No. 333-214893), as filed with the SEC on December 2, 2016, as amended. Pursuant to the terms of the grants, the Plan and the Related Agreements, the Options will vest over four years, with 6.25% of the shares subject to the Options vesting on May 7, 2019 and the remaining 93.75% of the shares subject to the Options vesting in equal monthly installments thereafter over 45 months, provided in each case that the Executive Officer remains employed by us through the applicable vesting date. The shares underlying the Options are subject to accelerated vesting upon the occurrence of specified events including a change of control of Miragen and the Executive Officer’s termination. The exercise price for each Option is \$2.96 per share, which equals the closing price for Miragen’s common stock on The NASDAQ Capital Market on the date of grant.

The following table sets forth the Options granted to each Executive Officer:

Executive Officer and Principal Position	No. of Shares subject to Option
William S. Marshall, Ph.D. President and Chief Executive Officer	232,000
Jason A. Leverone Chief Financial Officer, Secretary and Treasurer	75,000
Adam S. Levy Chief Business Officer	74,000
Paul D. Rubin, M.D. Executive Vice President, Research and Development	87,000

The foregoing summary of the Plan and Related Agreements is qualified in its entirety by reference to the full text of the Plan Related Agreements that we have filed with the SEC.

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2019 Base Salary and Bonus Targets

On February 6, 2019, the Compensation Committee approved the 2019 base salaries and target bonus awards for the Executive Officers. The 2019 bonus awards for the Executive Officers will be based on the achievement of corporate and individual performance goals as approved by the Compensation Committee and discussed in more detail below. The 2019 base salaries and target bonus awards for the Executive Officers are as follows:

Executive Officer and Principal Position	2019 Base Salary	Bonus Target <sup>(1)</sup>	
William S. Marshall, Ph.D. President and Chief Executive Officer	\$521,000	50	%
Jason A. Leverone Chief Financial Officer, Secretary and Treasurer	\$355,000	40	%
Adam S. Levy Chief Business Officer	\$345,000	40	%
Paul D. Rubin, M.D. Executive Vice President, Research and Development	\$426,000	40	%

(1) Bonus Targets listed as percentage of 2019 Base Salary

To receive any portion of his cash bonus award, each Executive Officer must be employed by us on the date any such bonuses are payable. The amounts payable to each Executive Officer are subject to review and adjustment in the sole discretion of the Board or the Compensation Committee and will be weighted for each officer based on the Board's or Compensation Committee's determination of the achievement of each's individual and the corporate performance goals.

2019 Corporate Performance Goals

On February 6, 2019, the Compensation Committee approved corporate performance goals for the fiscal year ending December 31, 2019. The corporate performance goals, which may be updated at the Board's discretion during 2019, include:

- goals related to executing and further defining our development plan for Cobomarsen, our clinical product candidate for the treatment of certain cancers;
- goals related to executing our development plan for Reamlarsen, our clinical product candidate for the treatment of fibrosis;
- goals related to executing our development plan for MRG-110, our clinical product candidate for the treatment of heart failure and other ischemic disease;
- goals related to the development of our pre-clinical product candidate pipeline; and
- finance and business development goals.

**SIGNATURES**

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

Miragen Therapeutics, Inc.

Date: February 8, 2019

By: /s/ Jason A. Leverone  
Jason A. Leverone  
Chief Financial Officer