

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

**SCHEDULE 14A  
(Rule 14a-101)  
INFORMATION REQUIRED IN PROXY STATEMENT  
SCHEDULE 14A INFORMATION**

Proxy Statement Pursuant to Section 14(a) of the Securities Exchange Act of 1934

Filed by the Registrant ☒  
Filed by a Party other than the Registrant ☐

Check the appropriate box:

☒ Preliminary Proxy Statement  
☐ Confidential, For Use of the Commission Only (as permitted by Rule 14a-6(e)(2))  
☐ Definitive Proxy Statement  
☐ Definitive Additional Materials  
☐ Soliciting Material Pursuant to Section 240.14a-12

**BIORESTORATIVE THERAPIES, INC.**  
(Name of Registrant as Specified in its Charter)

(Name of Person(s) Filing Proxy Statement, if Other Than the Registrant)

Payment of Filing Fee (Check the appropriate box):

☒ No fee required  
☐ Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11

- 1) Title of each class of securities to which transaction applies:  
not applicable
- 2) Aggregate number of securities to which transaction applies:  
not applicable
-

- 3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (Set forth the amount on which the filing fee is calculated and state how it was determined):
- not applicable
- 4) Proposed maximum aggregate value of transaction:
- not applicable
- 5) Total fee paid:
- not applicable
- ☐ Fee paid previously with preliminary materials:
- ☐ Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. Identify the previous filing by registration statement number, or the Form or Schedule and the date of its filing.
- 1) Amount previously paid:
- 2) Form, Schedule or Registration Statement No.:
- 3) Filing Party:
- 4) Date Filed:
-

**BIORESTORATIVE THERAPIES, INC.**  
**40 Marcus Drive, Suite One**  
**Melville, New York 11747**

**NOTICE OF ANNUAL MEETING OF STOCKHOLDERS**  
**TO BE HELD ON AUGUST 21, 2018**

To the Stockholders of BioRestorative Therapies, Inc.:

**NOTICE IS HEREBY GIVEN** that the Annual Meeting of Stockholders of BioRestorative Therapies, Inc., a Delaware corporation (the "Company"), will be held on August 21, 2018 at 90 Merrick Avenue, 9<sup>th</sup> Floor, East Meadow, New York, at 4:00 p.m., local time, for the following purposes:

1. To elect two Class I directors to hold office until the 2021 Annual Meeting of Stockholders.
2. To amend the Certificate of Incorporation of the Company to increase the number of authorized shares of common stock from 30,000,000 to 75,000,000.
3. To amend the Company's Certificate of Incorporation to increase the number of authorized shares of preferred stock from 5,000,000 to 20,000,000.
4. To approve an amendment to the Company's 2010 Equity Participation Plan (the "Plan") to increase the number of shares of common stock authorized to be issued pursuant to the Plan from 4,250,000 to 10,000,000.
5. To ratify the selection of Marcum LLP as the Company's independent registered public accounting firm for the fiscal year ending December 31, 2018.
6. To authorize the adjournment of the meeting to permit further solicitation of proxies, if necessary or appropriate, if sufficient votes are not represented at the meeting to approve any of the foregoing proposals.
7. To transact such other business as may properly come before the meeting.

Only stockholders of record at the close of business on June 28, 2018 are entitled to notice of and to vote at the meeting or at any adjournment thereof.

**Important notice regarding the availability of Proxy Materials:** The proxy statement, the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2017 and the Company's Quarterly Report on Form 10-Q for the period ended March 31, 2018 are available electronically to the Company's stockholders of record as of the close of business on June 28, 2018 at [www.proxyvote.com](http://www.proxyvote.com).

Mark Weinreb  
*Chief Executive Officer*

Melville, New York  
July , 2018

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WHETHER OR NOT YOU PLAN TO ATTEND THE MEETING, PLEASE SUBMIT YOUR PROXY OR VOTING INSTRUCTIONS AS SOON AS POSSIBLE. FOR SPECIFIC INSTRUCTIONS ON HOW TO VOTE YOUR SHARES, PLEASE REFER TO THE INSTRUCTIONS ON THE NOTICE REGARDING THE AVAILABILITY OF PROXY MATERIALS YOU RECEIVED IN THE MAIL OR, IF YOU REQUESTED TO RECEIVE PRINTED PROXY MATERIALS, YOUR ENCLOSED PROXY CARD. ANY STOCKHOLDER MAY REVOKE A SUBMITTED PROXY AT ANY TIME BEFORE THE MEETING BY WRITTEN NOTICE TO SUCH EFFECT, BY SUBMITTING A SUBSEQUENTLY DATED PROXY OR BY ATTENDING THE MEETING AND VOTING IN PERSON. THOSE VOTING BY INTERNET OR BY TELEPHONE MAY ALSO REVOKE THEIR PROXY BY VOTING IN PERSON AT THE MEETING OR BY VOTING AND SUBMITTING THEIR PROXY AT A LATER TIME BY INTERNET OR BY TELEPHONE.

**BIORESTORATIVE THERAPIES, INC.**  
**40 Marcus Drive, Suite One**  
**Melville, New York 11747**

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**PROXY STATEMENT**

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**SOLICITING, VOTING AND REVOCABILITY OF PROXY**

This proxy statement is being mailed or made available to all stockholders of record at the close of business on June 28, 2018 in connection with the solicitation by our Board of Directors of proxies to be voted at the 2018 Annual Meeting of Stockholders to be held on August 21, 2018 at 4:00 p.m., local time, or any adjournment thereof. Proxy materials for the 2018 Annual Meeting of Stockholders were mailed or made available to stockholders on or about July \_\_, 2018.

All shares represented by proxies duly executed and received will be voted on the matters presented at the meeting in accordance with the instructions specified in such proxies. Proxies so received without specified instructions will be voted as follows:

- (i) **FOR** the nominees named in the proxy to our Board of Directors.
- (ii) **FOR** the proposal to amend our Certificate of Incorporation to increase the number of authorized shares of common stock from 30,000,000 to 75,000,000.
- (iii) **FOR** the proposal to amend our Certificate of Incorporation to increase the number of authorized shares of preferred stock from 5,000,000 to 20,000,000.
- (iv) **FOR** the proposal to approve an amendment to our 2010 Equity Participation Plan (the "Plan") to increase the number of shares of common stock authorized to be issued pursuant to the Plan from 4,250,000 to 10,000,000.
- (v) **FOR** the ratification of the selection of Marcum LLP as our independent registered public accounting firm for the fiscal year ending December 31, 2018.
- (vi) **FOR** the proposal to adjourn the meeting to permit further solicitation of proxies, if necessary or appropriate, if sufficient votes are not represented at the meeting to approve any of the foregoing proposals.

If you are a beneficial owner of shares held in street name and you do not provide specific voting instructions to the organization that holds your shares, the organization will be prohibited under the current rules of the New York Stock Exchange from voting your shares on "non-routine" matters. This is commonly referred to as a "broker non-vote". The ratification of the selection of our independent registered public accounting firm is a routine matter. Each remaining proposal is considered a "non-routine" matter and therefore may not be voted on by your bank or broker absent specific instructions from you. Please instruct your bank or broker so your vote can be counted.

Our Board does not know of any other matters that may be brought before the meeting nor does it foresee or have reason to believe that the proxy holder will have to vote for a substitute or alternate nominee to the Board. In the event that any other matter should come before the meeting or either nominee is not available for election, the person named in the enclosed proxy will have discretionary authority to vote all proxies not marked to the contrary with respect to such matters in accordance with his best judgment.

The total number of shares of common stock outstanding and entitled to vote as of the close of business on June 28, 2018 was \_\_\_\_\_. The shares of common stock are the only class of securities entitled to vote on matters presented to our stockholders, each share being entitled to one vote. The holders of one-third of the shares of common stock outstanding as of the close of business on June 28, 2018, or \_\_\_\_\_ shares of common stock, must be present at the meeting in person or by proxy in order to constitute a quorum for the transaction of business.

With regard to the election of directors, votes may be cast in favor or withheld. The directors shall be elected by a plurality of the votes cast in favor. Accordingly, based upon there being two nominees, each person who receives one or more votes will be elected as a director. Shares of common stock as to which a stockholder withholds voting authority in the election of directors and broker non-votes will not be counted as voting thereon and therefore will not affect the election of the nominees receiving a plurality of the votes cast.

Stockholders may expressly abstain from voting on Proposals 2, 3, 4, 5 and 6 by so indicating on the proxy. Abstentions are counted as present in the tabulation of votes on Proposals 2, 3, 4, 5 and 6. Since Proposals 2 and 3 require the affirmative approval of a majority of the shares of common stock outstanding and entitled to vote (assuming a quorum is present at the meeting), abstentions, as well as broker non-votes, will have the effect of a negative vote. Since Proposals 4, 5 and 6 require the affirmative approval of a majority of the shares of common stock present in person or represented by proxy at the meeting and entitled to vote (assuming a quorum is present at the meeting), abstentions will have the effect of a negative vote while broker non-votes will have no effect.

Any person giving a proxy in the form accompanying this proxy statement has the power to revoke it at any time before its exercise. The proxy may be revoked by filing with us written notice of revocation or a fully executed proxy bearing a later date. The proxy may also be revoked by affirmatively electing to vote in person while in attendance at the meeting. However, a stockholder who attends the meeting need not revoke a proxy given and vote in person unless the stockholder wishes to do so. Written revocations or amended proxies should be sent to us at 40 Marcus Drive, Suite One, Melville, New York 11747, Attention: Corporate Secretary. Those voting by Internet or by telephone may also revoke their proxy by voting in person at the meeting or by voting and submitting their proxy at a later time by Internet or by telephone.

The proxy is being solicited by our Board of Directors. We will bear the cost of the solicitation of proxies, including the charges and expenses of brokerage firms and other custodians, nominees and fiduciaries for forwarding proxy materials to beneficial owners of our shares. Solicitations will be made primarily by Internet availability of proxy materials and by mail, but certain of our directors, officers or employees may solicit proxies in person or by telephone, fax or email without special compensation.

## EXECUTIVE COMPENSATION

### Summary Compensation Table

The following Summary Compensation Table sets forth all compensation earned in all capacities during the fiscal years ended December 31, 2017 and 2016 by our (i) principal executive officer, (ii) our two most highly compensated executive officers, other than our principal executive officer, whose total compensation for the 2017 fiscal year, as determined by Regulation S-K, Item 402, exceeded \$100,000 and (iii) a person who would have been included as one of our two most highly compensated executive officers, other than our principal executive officer, but for the fact that he was not serving as one of our executive officers as of December 31, 2017 (the individuals falling within categories (i), (ii) and (iii) are collectively referred to as the "Named Executive Officers"):

Name and Principal Position	Year	Salary	Bonus(1)	Option Awards Earned (2)	All Other Compensation	Total
Mark Weinreb, Chief Executive Officer	2017	\$ 400,000	\$ 32,000	\$ 784,700 <sup>(3)</sup>	\$ 7,200 <sup>(4)</sup>	\$ 1,223,900 <sup>(4)</sup>
	2016	\$ 400,000	\$ 96,000	\$ 887,000 <sup>(5)</sup>	\$ 7,200 <sup>(6)</sup>	\$ 1,390,200 <sup>(6)</sup>
Edward Field President of Disc/Spine Division <sup>(7)</sup>	2017	\$ 175,000	\$ 18,000	\$ -	\$ -	\$ 193,000
	2016	\$ 300,000	\$ 36,000	\$ 263,000 <sup>(8)</sup>	\$ -	\$ 599,000
Francisco Silva, VP of Research and Development	2017	\$ 250,000	\$ 6,000	\$ 200,400 <sup>(9)</sup>	\$ -	\$ 456,400
	2016	\$ 250,000	\$ 26,000	\$ 197,200 <sup>(10)</sup>	\$ -	\$ 473,200
Mandy Clyde, VP of Operations <sup>(12)</sup>	2017	\$ 130,000	\$ -	\$ 135,100 <sup>(11)</sup>	\$ -	\$ 265,100
	2016	\$ -	\$ -	\$ -	\$ -	\$ -

- (1) Represents bonus amounts earned pursuant to the achievement of certain performance goals.
- (2) The amounts reported in this column represent the grant date fair value of the option awards granted during the years ended December 31, 2017 and 2016, calculated in accordance with FASB ASC Topic 718. For a detailed discussion of the assumptions used in estimating fair values, see Note 10 – Stockholders' Deficiency in the notes that accompany our consolidated financial statements included in our Annual Report for the fiscal year ended December 31, 2017 incorporated into this proxy statement by reference.
- (3) During 2017, Mr. Weinreb was granted a ten-year option under our 2010 Equity Participation Plan (the "Plan") for the purchase of 275,000 shares of common stock at an exercise price of \$3.35 per share. Such option is exercisable to the extent of 91,667 shares as of each of the first and second anniversaries of the date of grant and 91,666 shares as of the third anniversary of the date of grant. See "Employment Agreements" below for a discussion of certain provisions relating to the options granted to Mr. Weinreb.

- (4) Of the aggregate \$1,223,900 earned during 2017, \$784,700 represents the grant date value of non-cash stock-based compensation awards, irrespective of the vesting period of those awards. Of the \$439,200 earned cash compensation, \$178,113 and \$261,087 were paid in cash during 2017 and 2018 (prior to the date of the filing of this proxy statement), respectively, and none remains unpaid for 2017. All Other Compensation represents an automobile allowance paid to Mr. Weinreb in 2017.
- (5) During 2016, Mr. Weinreb was granted a ten-year option under the Plan for the purchase of 275,000 shares of common stock at an exercise price of \$3.73 per share. Such option is exercisable to the extent of 91,667 shares as of each of the first and second anniversaries of the date of grant and 91,666 shares as of the third anniversary of the date of grant. See "Employment Agreements" below for a discussion of certain provisions relating to the options granted to Mr. Weinreb.
- (6) Of the aggregate \$1,390,200 earned during 2016, \$887,000 represents the grant date value of non-cash stock-based compensation awards, irrespective of the vesting period of those awards. Of the \$503,200 earned cash compensation, \$7,200 and \$496,000 were paid in cash during 2016 and 2017, respectively, and \$0 remains unpaid for 2016. All Other Compensation represents an automobile allowance paid to Mr. Weinreb in 2016.
- (7) Mr. Field resigned as an officer on July 24, 2017.
- (8) During 2016, Mr. Field was granted a ten-year option under the Plan for the purchase of 80,000 shares of common stock at an exercise price of \$3.73 per share. Such option was exercisable to the extent of 26,667 shares as of each of the first and second anniversaries of the date of grant and 26,666 shares as of the third anniversary of the date of grant. As a result of Mr. Field's resignation on July 24, 2017, such option has terminated to the extent not vested as of such date.
- (9) During 2017, Mr. Silva was granted a ten-year option under the Plan for the purchase of 80,000 shares of common stock at an exercise price of \$2.80 per share. Such option is exercisable to the extent of 26,667 shares as of each of the first and second anniversaries of the date of grant and 26,666 shares as of the third anniversary of the date of grant.
- (10) During 2016, Mr. Silva was granted a ten-year option under the Plan for the purchase of 60,000 shares of common stock at an exercise price of \$3.73 per share. Such option is exercisable to the extent of 20,000 shares as of each of the first, second and third anniversaries of the date of grant.
- (11) During 2017, Ms. Clyde was granted a ten-year option under the Plan for the purchase of 30,000 shares of common stock at an exercise price of \$2.80 per share and a ten-year option under the Plan for the purchase of 20,000 shares of common stock at an exercise price of \$3.35 per share. Such options are exercisable to the extent of 16,667 shares as of each of the first and second anniversaries of the date of grant and 16,666 shares as of the third anniversary of the date of grant.
- (12) Ms. Clyde was not a Named Executive Officer during 2016.

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## Employment Agreements

In March 2015, we entered into an employment agreement with Mark Weinreb, our Chief Executive Officer. Pursuant to the employment agreement, which expires on December 31, 2019, Mr. Weinreb is entitled to receive a salary of \$400,000 per annum. Mr. Weinreb was entitled to receive an annual bonus for 2015 equal to 50% of his annual base salary and was entitled to receive an annual bonus for 2016 and 2017 of up to 40% and 50% of his annual base salary, respectively, in the event certain performance goals, as determined by our Compensation Committee, were satisfied. Mr. Weinreb is entitled to receive an annual bonus for 2018 and 2019 equal to 50% of his annual base salary in the event certain performance goals, as determined by our Compensation Committee, are satisfied. Pursuant to the employment agreement, in the event that Mr. Weinreb's employment is terminated by us without "cause", or Mr. Weinreb terminates his employment for "good reason" (each as defined in the employment agreement), Mr. Weinreb would be entitled to receive severance in an amount equal to one time his then annual base salary and certain benefits, plus \$100,000 (in lieu of bonus). In addition, pursuant to the employment agreement, Mr. Weinreb would be entitled to receive such severance in the event that the term of his employment agreement is not extended beyond December 31, 2019 and, within three months of such expiration date, his employment is terminated by us without "cause" or if Mr. Weinreb terminates his employment for any reason. Further, in the event that Mr. Weinreb's employment is terminated by us without "cause", or Mr. Weinreb terminates his employment for "good reason", following a "change in control" (as defined in the employment agreement), Mr. Weinreb would be entitled to receive severance in an amount equal to one and one-half times his then annual base salary and certain benefits, plus \$300,000 (in lieu of bonus). Pursuant to the employment agreement, with respect to options granted to Mr. Weinreb during the term of his employment with us, such options shall vest and become exercisable if Mr. Weinreb is entitled to receive severance based upon a termination of his employment as set forth above. In addition, pursuant to the employment agreement, to the extent that an option granted to Mr. Weinreb during his term of his employment with us becomes exercisable (whether due to the passage of time or otherwise), such option shall remain exercisable until its expiration date notwithstanding any termination of employment with us.

Effective February 9, 2015, we entered into an at will employment agreement with Edward L. Field, President of our Disc/Spine Division. Pursuant to the employment agreement, Mr. Field was entitled to receive a salary of \$300,000 per annum. In addition, pursuant to the employment agreement, Mr. Field was entitled to receive an annual bonus of up to 30% of his annual salary (up to 24% of his annual salary for 2016) based on the satisfaction of certain performance goals. Further, pursuant to the employment agreement, in the event that Mr. Field's employment with us was terminated without cause, Mr. Field would have been entitled to receive severance in an amount equal to 50% of his then annual base salary. Mr. Field resigned his employment with us effective July 24, 2017.

Effective April 5, 2011, we entered into an at will employment agreement with Francisco Silva, our Vice President of Research and Development. Pursuant to the employment agreement, as amended in January 2018, Mr. Silva is currently entitled to receive a salary of \$287,500 per annum. In addition, pursuant to the employment agreement, as amended, Mr. Silva is entitled to receive an annual bonus of up to 20% of his annual salary (up to 16% of his annual salary for 2016) based on the satisfaction of certain performance goals. Further, pursuant to the employment agreement, as amended, in the event that Mr. Silva's employment with us is terminated without cause, Mr. Silva would be entitled to receive severance in an amount equal to 50% of his then annual base salary.



Effective December 1, 2010, we entered into an at will employment agreement with Mandy Clyde, our Vice President of Operations. Pursuant to the employment agreement, as amended, Ms. Clyde is currently entitled to receive a salary of \$149,500 per annum. Further, pursuant to the employment agreement, in the event that Ms. Clyde's employment with us is terminated without cause, Ms. Clyde would be entitled to receive a cash severance amount of \$50,000.

#### Outstanding Equity Awards at Fiscal Year-End

The following table provides information on outstanding equity awards as of December 31, 2017 to the Named Executive Officers:

Name	Option Awards				Stock Awards				
	Number of securities underlying unexercised options	Number of securities underlying unexercised options	Equity incentive plan awards: Number of securities underlying unexercised unearned options	Option exercise price (10)	Option expiration date	Number of shares or units of stock that have not vested	Market value of shares of units that have not vested	Equity incentive plan awards: Number of unearned shares, units or other rights that have not vested	Equity incentive plan awards: Market or payout value of unearned shares, units or other rights that have not vested
	Exercisable	Unexercisable							
Mark Weinreb	4,000	-	-	\$ 4.70	12/14/2020	-	\$ -	-	\$ -
Mark Weinreb	50,000	-	-	\$ 4.70	2/10/2022	-	\$ -	-	\$ -
Mark Weinreb	20,000	-	-	\$ 4.70	12/7/2022	-	\$ -	-	\$ -
Mark Weinreb	12,500	-	-	\$ 4.70	10/4/2023	-	\$ -	-	\$ -
Mark Weinreb	50,000	-	-	\$ 4.70	2/18/2024	-	\$ -	-	\$ -
Mark Weinreb	150,000	-	-	\$ 4.70	10/23/2024	-	\$ -	-	\$ -
Mark Weinreb	173,334	34,666 <sup>(1)</sup>	-	\$ 4.70	9/4/2025	-	\$ -	-	\$ -
Mark Weinreb	183,334	91,666 <sup>(2)</sup>	-	\$ 3.73	6/10/2026	-	\$ -	-	\$ -

Mark Weinreb	91,667	183,333 <sup>(3)</sup>	-	\$	3.35	6/23/2027	-	\$	-	-	\$	-
Edward L. Field	16,667	-	-	\$	4.70	7/24/2018	-	\$	-	-	\$	-
Edward L. Field	8,334	-	-	\$	4.70	7/24/2018	-	\$	-	-	\$	-
Edward L. Field	26,667	-	-	\$	3.73	7/24/2018	-	\$	-	-	\$	-
Francisco Silva	4,000	-	-	\$	4.70	4/4/2021	-	\$	-	-	\$	-
Francisco Silva	150	-	-	\$	4.70	6/23/2021	-	\$	-	-	\$	-
Francisco Silva	1,000	-	-	\$	4.70	11/16/2021	-	\$	-	-	\$	-
Francisco Silva	2,000	-	-	\$	4.70	2/10/2022	-	\$	-	-	\$	-
Francisco Silva	4,500	-	3,000 <sup>(4)</sup>	\$	4.70	5/2/2022	-	\$	-	-	\$	-
Francisco Silva	4,000	-	-	\$	4.70	12/7/2022	-	\$	-	-	\$	-
Francisco Silva	5,000	-	-	\$	4.70	10/4/2023	-	\$	-	-	\$	-
Francisco Silva	12,500	-	-	\$	4.70	2/18/2024	-	\$	-	-	\$	-
Francisco Silva	2,000	-	-	\$	4.70	3/12/2024	-	\$	-	-	\$	-
Francisco Silva	37,500	-	-	\$	4.70	10/23/2024	-	\$	-	-	\$	-
Francisco Silva	16,667	8,333 <sup>(5)</sup>	-	\$	4.70	9/4/2025	-	\$	-	-	\$	-
Francisco Silva	20,000	40,000 <sup>(6)</sup>	-	\$	3.73	6/10/2026	-	\$	-	-	\$	-
Francisco Silva	-	80,000 <sup>(7)</sup>	-	\$	2.80	7/12/2027	-	\$	-	-	\$	-
Mandy D. Clyde	4,000	-	-	\$	4.70	12/14/2020	-	\$	-	-	\$	-
Mandy D. Clyde	300	-	-	\$	4.70	4/21/2021	-	\$	-	-	\$	-

Mandy D. Clyde	1,500	-	-	\$ 4.70	2/10/2022	-	\$ -	-	\$ -
Mandy D. Clyde	2,500	-	-	\$ 4.70	12/7/2022	-	\$ -	-	\$ -
Mandy D. Clyde	4,000	-	-	\$ 4.70	10/4/2023	-	\$ -	-	\$ -
Mandy D. Clyde	6,250	-	-	\$ 4.70	2/18/2024	-	\$ -	-	\$ -
Mandy D. Clyde	10,000	-	-	\$ 4.70	10/23/2024	-	\$ -	-	\$ -
Mandy D. Clyde	17,000	8,500 <sup>(8)</sup>	-	\$ 4.70	9/4/2025	-	\$ -	-	\$ -
Mandy D. Clyde	13,334	26,666 <sup>(9)</sup>	-	\$ 3.73	6/10/2026	-	\$ -	-	\$ -
Mandy D. Clyde	-	30,000 <sup>(10)</sup>	-	\$ 2.80	7/12/2027	-	\$ -	-	\$ -
Mandy D. Clyde	-	20,000 <sup>(11)</sup>	-	\$ 3.35	8/10/2027	-	\$ -	-	\$ -

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- (1) Option is exercisable on September 4, 2018.
- (2) Option became exercisable on June 10, 2018.
- (3) Option is exercisable to the extent of 91,667 shares on June 23, 2018 and 91,666 shares on June 10, 2019.
- (4) Option is exercisable commencing on the date (provided that such date is during Mr. Silva's employment with us), if any, on which either (i) the FDA approves a biologics license application made by us with respect to any biologic product or (ii) a 510(k) Premarket Notification submission is made by us to the FDA with respect to a certain device.
- (5) Option is exercisable on September 4, 2018.
- (6) Option is exercisable to the extent of 20,000 shares on each of June 10, 2018 and June 10, 2019.
- (7) Option is exercisable to the extent of 26,667 shares on each of July 12, 2018 and July 12, 2019 and 26,666 shares on July 12, 2020.
- (8) Option is exercisable on September 4, 2018.
- (9) Option is exercisable to the extent of 13,333 shares on each of June 10, 2018 and June 10, 2019.

- (10) Option is exercisable to the extent of 10,000 shares on each of July 12, 2018, July 12, 2019 and July 12, 2020.
- (11) Option is exercisable to the extent of 6,667 shares on each of August 10, 2018 and August 10, 2019 and 6,666 shares on August 10, 2020.

#### DIRECTOR COMPENSATION

The following table sets forth certain information concerning the compensation of our non-employee directors for the fiscal year ended December 31, 2017:

Name	Fees Earned or Paid in Cash	Stock Awards	Option Awards (1)	Non-Equity Incentive Plan Compensation	Nonqualified Deferred Compensation Earnings	All Other Compensation	Total
Robert B. Catell	\$ 40,000	\$ -	\$ 279,500 (2)	\$ -	\$ -	\$ -	\$ 319,500
John M. Desmarais	\$ 40,000	\$ -	\$ 349,400 (3)	\$ -	\$ -	\$ -	\$ 389,400
A. Jeffrey Radov	\$ 40,000	\$ -	\$ 349,400 (4)	\$ -	\$ -	\$ -	\$ 389,400
Charles S. Ryan	\$ 40,000	\$ -	\$ 279,500 (5)	\$ -	\$ -	\$ -	\$ 319,500
Paul Jude Tonna	\$ 40,000	\$ -	\$ 349,400 (6)	\$ -	\$ -	\$ -	\$ 389,400

- (1) The amounts reported in this column represent the grant date fair value of the option awards granted during the year ended December 31, 2017, calculated in accordance with FASB ASC Topic 718. For a detailed discussion of the assumptions used in estimating fair values, see Note 10 – Stockholders' Deficiency in the notes that accompany our consolidated financial statements in our Annual Report on Form 10-K for the year ended December 31, 2017 incorporated into this proxy statement by reference.
- (2) As of December 31, 2017, Mr. Catell held options for the purchase of 144,000 shares of common stock.
- (3) As of December 31, 2017, Mr. Desmarais held options for the purchase of 175,000 shares of common stock.
- (4) As of December 31, 2017, Mr. Radov held options for the purchase of 491,000 shares of common stock.
- (5) As of December 31, 2017, Mr. Ryan held options for the purchase of 181,000 shares of common stock.
- (6) As of December 31, 2017, Mr. Tonna held options for the purchase of 289,000 shares of common stock.

Each of Messrs. Catell, Desmarais, Radov, Ryan and Tonna, our non-employee directors, is entitled to receive, as compensation for his services as a director, \$30,000 per annum plus \$10,000 per annum for all committee service, in each case payable quarterly (subject to our cash needs). Our non-employee directors also receive stock options, from time to time, in consideration of their services.

**SECURITY OWNERSHIP OF CERTAIN BENEFICIAL  
OWNERS AND MANAGEMENT**

The following table sets forth certain information regarding the beneficial ownership of our common stock, as of June 28, 2018, known by us, through transfer agent records, to be held by: (i) each person who beneficially owns 5% or more of the shares of common stock then outstanding; (ii) each of our directors; (iii) each of our Named Executive Officers (as defined above); and (iv) all of our directors and executive officers as a group.

The information in this table reflects "beneficial ownership" as defined in Rule 13d-3 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"). To our knowledge, and unless otherwise indicated, each shareholder has sole voting power and investment power over the shares listed as beneficially owned by such shareholder, subject to community property laws where applicable. Percentage ownership is based on \_\_\_\_\_ shares of common stock outstanding as of June 28, 2018.

<b><u>Name and Address of Beneficial Owner</u></b>	<b><u>Number of Shares Beneficially Owned</u></b>	<b><u>Approximate Percent of Class</u></b>
John M. Desmarais 230 Park Avenue New York, New York	1,999,574 (1)	%
Westbury (Bermuda) Ltd. Westbury Trust Victoria Hall 11 Victoria Street Hamilton, HMEX Bermuda	1,151,662 (2)	%
Mark Weinreb 40 Marcus Drive, Suite One Melville, New York	998,168 (3)	%
Robert Austin Sperling Jr. 22 East Lake Drive Annapolis, Maryland	498,503 (4)	%
A. Jeffrey Radov 8 Walworth Avenue Scarsdale, New York	442,584 (5)	%
Paul Jude Tonna 69 Chichester Road Huntington, New York	304,834 (6)	%
Robert B. Catell 62 Osborne Road Garden City, New York	275,399 (7)	%

Charles S. Ryan 1302 Ridge Road Laurel Hollow, New York	222,668 (8)	%
Francisco Silva 40 Marcus Drive, Suite One Melville, New York	163,229 (9)	%
Mandy Clyde 40 Marcus Drive, Suite One Melville, New York	88,884 (10)	%
All directors and executive officers as a group (9 persons)	4,495,342 (11)	%

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- (1) Based upon Schedule 13D filed with the Securities and Exchange Commission (the "SEC") and other information known to us. Includes 1,506,176 shares of common stock issuable upon the exercise of currently exercisable options and warrants (including warrants for the purchase of 40,000 shares of common stock held by a trust for which Mr. Desmarais and his wife serve as the trustees and which was established for the benefit of his immediate family).
- (2) Based upon Schedule 13D filed with the SEC and other information known to us. Includes 239,182 shares of common stock issuable upon the exercise of currently exercisable warrants. The shares and warrants are owned directly by Westbury (Bermuda) Ltd. which is 100% owned by Westbury Trust.
- (3) Includes 918,168 shares of common stock issuable upon the exercise of options that are exercisable currently or within 60 days.
- (4) Includes 41,590 shares of common stock issuable upon the exercise of currently exercisable warrants.
- (5) Includes 430,084 shares of common stock issuable upon the exercise of options that are exercisable currently or within 60 days.
- (6) Represents (i) 6,000 shares of common stock held jointly with Mr. Tonna's wife and (ii) 268,834 shares of common stock issuable upon the exercise of options and warrants that are exercisable currently or within 60 days.
- (7) Includes 194,533 shares of common stock issuable upon the exercise of currently exercisable options and warrants.
- (8) Includes 179,751 shares of common stock issuable upon the exercise of options and warrants that are exercisable currently or within 60 days.
- (9) Includes (i) 170 shares of common stock held in an individual retirement account for the benefit of Mr. Silva and (ii) 158,984 shares of common stock issuable upon the exercise of options that are exercisable currently or within 60 days.

- (10) Represents shares of common stock issuable upon the exercise of options that are exercisable currently or within 60 days.
- (11) Includes 3,745,414 shares of common stock issuable upon the exercise of options and warrants that are exercisable currently or within 60 days.

#### **CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS**

##### **John M. Desmarais**

In March 2016, John M. Desmarais, one of our non-employee directors and principal stockholders, purchased 250,000 shares of our common stock at a price of \$4.00 per share (gross proceeds of \$1,000,000) and, in consideration thereof, received the following warrants: (i) a five year warrant for the purchase of 250,000 shares of our common stock at an exercise price of \$5.00 per share; (ii) an eight month warrant for the purchase of 444,444 shares of our common stock at an exercise price of \$4.50 per share; and (iii) a one year warrant for the purchase of 400,000 shares of our common stock at an exercise price of \$5.00 per share.

In June 2016, we borrowed \$500,000 from a trust for which Mr. Desmarais and his wife serve as the trustees and which was established for the benefit of Mr. Desmarais's immediate family (the "Desmarais Trust"). The promissory note evidencing the loan (the "Desmarais Trust Note") provided for the payment of the principal amount, together with interest at the rate of 10% per annum, in July 2017. In July 2017, we and the Desmarais Trust agreed to amend the Desmarais Trust Note to provide for a maturity date of December 1, 2017 and an increase in the interest rate to 15% per annum effective July 1, 2017. In the event that, prior to the maturity date of the Desmarais Trust Note, we receive net proceeds of \$10,000,000 from a single equity or debt financing (as opposed to a series of related or unrelated financings), the Desmarais Trust has the right to require that we prepay the amount due under the Desmarais Trust Note (subject to the consent of the party that provided the particular financing). In consideration of the loan, we issued to the Desmarais Trust a five-year warrant for the purchase of 40,000 shares of our common stock at an exercise price of \$4.00 per share.

In September 2016, Mr. Desmarais purchased 80,000 shares of our common stock at a purchase price of \$3.00 per share (gross proceeds of \$240,000). In consideration of the purchase, we issued to Mr. Desmarais a five year warrant for the purchase of 80,000 shares of our common stock at an exercise price of \$4.00 per share and extended the expiration dates of the warrants held by Mr. Desmarais for the purchase of 444,444 and 400,000 shares of our common stock for a period of one year to November 18, 2017 and March 18, 2018, respectively.

In December 2016, we borrowed \$60,000 from Mr. Desmarais. The promissory note evidencing the loan provided for the payment of \$65,000 on January 31, 2017. In consideration of the loan, we further extended the expiration dates of the warrants held by Mr. Desmarais for the purchase of 444,444 and 400,000 shares of our common stock to December 31, 2018. In February 2017, we entered into an exchange agreement with Mr. Desmarais pursuant to which Mr. Desmarais exchanged the principal amount of the promissory note, together with accrued interest, for 21,731 shares of our common stock at an exchange price of \$3.00 per share and, in consideration thereof, received a five year warrant for the purchase of 21,731 shares of our common stock at an exercise price of \$4.00 per share.

In July 2017, we borrowed \$175,000 from Mr. Desmarais. The promissory note evidencing the loan (the "Desmarais Note") provides for the payment of the principal amount, together with interest at the rate of 15% per annum, on December 1, 2017. In the event that, prior to the maturity date of the Desmarais Note, we receive net proceeds of \$10,000,000 from a single equity or debt financing (as opposed to a series of related or unrelated financings), Mr. Desmarais has the right to require that we prepay the amount due under the Desmarais Note (subject to the consent of the party that provided the particular financing). The payment of the Desmarais Note is secured by the grant of a security interest in our equipment and intellectual property. Concurrently, we agreed that the payment of the Desmarais Trust Note is also secured by the grant of such security interest.

In November 2017, we and Mr. Desmarais agreed that the due date for the payment of the Desmarais Note was extended to December 1, 2018. Concurrently, we agreed with the Desmarais Trust that the due date for the payment of the Desmarais Trust Note was also extended to December 1, 2018. In consideration of the note extensions by Mr. Desmarais and the Desmarais Trust, we agreed to reduce the exercise prices of certain warrants held by Mr. Desmarais for the purchase of an aggregate of 775,000 shares of our common stock from \$5.00 per share to \$4.00 per share and the exercise price of a certain warrant held by Mr. Desmarais for the purchase of 444,444 shares of our common stock from \$4.50 per share to \$4.00 per share.

#### **Others**

Between March 2016 and May 2016, Robert B. Catell, one of our non-employee directors, purchased an aggregate of 50,000 shares of our common stock at a price of \$4.00 per share (aggregate gross proceeds of \$200,000) and, in consideration thereof, received five-year warrants for the purchase of an aggregate of 50,000 shares of our common stock at an exercise price of \$5.00 per share.

In August 2016, we borrowed \$100,000 from Mr. Catell. The promissory note evidencing the loan (the "Catell Note") provided for the payment of the principal amount, together with interest at the rate of 10% per annum, on February 5, 2017. In consideration of the loan, we issued to Mr. Catell a five-year warrant for the purchase of 8,000 shares of our common stock at an exercise price of \$4.00 per share. In August 2017, we and Mr. Catell agreed that the outstanding principal amount of the Catell Note of \$50,000 will be payable on February 5, 2018. In consideration of such extension of the maturity date, we issued to Mr. Catell a five-year warrant for the purchase of 5,000 shares of our common stock at an exercise price of \$4.00 per share. In April 2018, we and Mr. Catell agreed that the outstanding principal amount of the Catell Note of \$45,000 will be payable on December 31, 2018. In the event that, prior to the maturity date of the Catell Note, we receive net proceeds of \$10,000,000 from a single equity or debt financing (as opposed to a series of related or unrelated financings), Mr. Catell has the right to require that we prepay the amount due under the Catell Note (subject to the consent of the party that provided the particular financing).



In December 2016, we borrowed \$30,000 from Mr. Catell. The promissory note evidencing the loan provided for the payment of \$32,500 on January 31, 2017. In February 2017, we entered into an exchange agreement with Mr. Catell pursuant to which Mr. Catell exchanged the principal amount of the promissory note, together with accrued interest, for 10,866 shares of our common stock at an exchange price of \$3.00 per share and, in consideration thereof, received a five year warrant for the purchase of 10,866 shares of our common stock at an exercise price of \$4.00 per share.

In February 2017, the Compensation Committee of our Board of Directors reduced the exercise price of outstanding options for the purchase of an aggregate of 1,219,450 shares of our common stock (with exercise prices ranging between \$5.70 and \$30.00 per share) to \$4.70 per share, which was the closing price for our common stock on the day prior to the determination, as reported by the OTCQB. The exercise price reduction related to options held by, among others, our Named Executive Officers and directors with respect to the following number of shares: (i) Mark Weinreb, our President, Chief Executive Officer and Chairman of the Board: 494,500 shares, (ii) A. Jeffrey Radov, one of our directors: 238,000 shares, (iii) Paul Jude Tonna, one of our directors: 100,000 shares, (iv) Dr. Charles S. Ryan, one of our directors: 35,000 shares, (v) Francisco Silva, our Vice President of Research and Development: 100,650 shares, and (vi) Edward L. Field, then President of our Disc/Spine Division: 50,000 shares.

In March 2017, we entered into exchange agreements with Messrs. Catell, Desmarais, Ryan and Tonna, each a non-employee director, pursuant to which accrued director fees were exchanged for our common stock at an exchange price of \$3.00 per share and, in consideration thereof, we issued to them five year warrants for the purchase of our common stock at an exercise price of \$4.00 per share as follows: (i) Mr. Catell: \$45,000 for 15,000 shares and 15,000 warrants; (ii) Mr. Desmarais: \$50,000 for 16,667 shares and 16,667 warrants; (iii) Mr. Ryan: \$80,000 for 26,667 shares and 26,667 warrants; and (iv) Mr. Tonna: \$90,000 for 30,000 shares and 30,000 warrants.

In August 2017, we borrowed \$125,000 from Robert Austin Sperling, Jr., one of our principal stockholders. The promissory note evidencing the loan provided for the payment of the principal amount, together with interest at the rate of 12% per annum, on May 23, 2018. In the event that, prior to the maturity date of the note, we receive net proceeds of \$10,000,000 from a single equity or debt financing (as opposed to a series of related or unrelated financings), Mr. Sperling has the right to require that we prepay the amount due under the note (subject to the consent of the party that provided the particular financing). In consideration of the loan, we issued to Mr. Sperling a five-year warrant for the purchase of 15,000 shares of our common stock at an exercise price of \$4.00 per share.

## PROPOSAL 1: ELECTION OF DIRECTORS

Two Class I directors are to be elected at the meeting to serve until the 2021 annual meeting of stockholders and until their respective successors shall have been elected and have qualified or until their earlier resignation or removal.

### Nominees for Class I Director

Each nominee is currently a member of our Board of Directors. The following table sets forth each nominee's age as of the date of the annual meeting, the positions and offices presently held with us, and the year in which he became a director.

Name	Age	Positions Held	Director Since
Robert B. Catell	81	Director	February 2016
Charles S. Ryan	54	Director	April 2015

#### Robert B. Catell

Robert B. Catell became a member of our Board of Directors in February 2016. Mr. Catell served as Chairman and Chief Executive Officer of KeySpan Corporation and KeySpan Energy Delivery, the former Brooklyn Union Gas, from 1998 to 2007. His career with Brooklyn Union Gas started in 1958. Following National Grid's acquisition of KeySpan Corporation in 2007, Mr. Catell became Chairman of National Grid, U.S. and Deputy Chairman of National Grid plc. Mr. Catell currently serves as Chairman of the Board of the Advanced Energy Research and Technology Center (AERTC) at Stony Brook University, New York State Smart Grid Consortium, Cristo Rey Brooklyn High School, Futures in Education Endowment Fund, and the New York Energy Policy Institute's Advisory Council (NYEPI). He also serves on the Board of Directors of Applied DNA Sciences, Inc., a company that uses biotechnology as a forensic foundation in creating unique security solutions addressing the challenges of modern commerce. In addition, Mr. Catell serves as a board member of a number of other business, governmental and not-for-profit organizations. Mr. Catell holds both a Master's and Bachelor's degree in Mechanical Engineering from City College of New York. We believe that Mr. Catell's executive-level management experience and his extensive experience in the Long Island community give him the qualifications and skills to serve as one of our directors.

#### Charles S. Ryan

Dr. Charles S. Ryan became a member of our Board in April 2015. Since February 2018, Dr. Ryan has served as Chief Executive Officer of Neurotrope Bioscience, Inc., a company that develops novel therapies for the treatment of neurodegenerative diseases and developmental disorders. From October 2016 to February 2018, Dr. Ryan served as Chief Executive Officer of Orthobond, Inc., a company that seeks to improve the performance and safety of medical devices through the use of proprietary non-polymer technology. From March 2015 to May 2016, Dr. Ryan served as Vice President, General Counsel of Cold Spring Harbor Laboratory, a not-for-profit research and education institution at the forefront of molecular biology and genetics, with research programs focusing on cancer, neuroscience, plant biology, genomics and quantitative biology. From 2003 to 2014, he served as Senior Vice President and Chief Intellectual Property Counsel at Forest Laboratories, Inc., a New York Stock Exchange company that developed and marketed pharmaceutical products in a variety of therapeutic categories including central nervous system, cardiovascular, anti-infective, respiratory, gastrointestinal, and pain management medicine. Dr. Ryan has over 20 years experience in managing all aspects of intellectual property litigation, conducting due diligence investigations and prosecuting patent and trademark applications in the pharmaceutical and biotechnology industries. He also serves as a director of Applied DNA Sciences, Inc., a company that uses biotechnology as a forensic foundation in creating unique security solutions addressing the challenges of modern commerce. Dr. Ryan earned a doctorate in Oral Biology and Pathology from Stony Brook University and a law degree from Western New England University. We believe that Dr. Ryan's executive-level management and legal experience give him the qualifications and skills to serve as one of our directors.

**Directors Not Standing For Election**

<b>Name</b>	<b>Age</b>	<b>Positions Held</b>	<b>Director Since</b>	<b>Class/Term Expiration</b>
Mark Weinreb	65	Chief Executive Officer, President and Chairman of the Board	October 2010	Class III/2020
A. Jeffrey Radov	66	Director	April 2011	Class III/2020
Paul Jude Tonna	60	Director	June 2014	Class II/2019
John M. Desmarais	54	Director	December 2015	Class II/2019

**Mark Weinreb**

Mark Weinreb has served as our Chief Executive Officer since October 2010, as our President since February 2012 and as our Chairman of the Board since April 2011. From February 2003 to October 2009, Mr. Weinreb served as President of NeoStem, Inc. (now known as Caladrius Biosciences, Inc.), a public international biopharmaceutical company engaged in, among other things, adult stem cell-related operations. From October 2009 to October 2010, he was subject to a non-competition agreement with NeoStem and was not engaged in business. Mr. Weinreb also served as Chief Executive Officer and Chairman of the Board of Directors of NeoStem from February 2003 to June 2006. In 1976, Mr. Weinreb joined Bio Health Laboratories, Inc., a state-of-the-art medical diagnostic laboratory providing clinical testing services for physicians, hospitals, and other medical laboratories. He became the laboratory administrator in 1978 and then an owner and the laboratory's Chief Operating Officer in 1982. In such capacity, he oversaw all technical and business facets, including finance and laboratory science technology. Mr. Weinreb left Bio Health Laboratories in 1989 when the business was sold. In 1992, Mr. Weinreb founded Big City Bagels, Inc., a national chain of franchised upscale bagel bakeries and became Chairman and Chief Executive Officer of such entity. Big City Bagels went public in 1995, and in 1999 Mr. Weinreb redirected the company and completed a merger with an Internet service provider. From 2000 to 2002, Mr. Weinreb served as Chief Executive Officer of Jestertek, Inc. (now known as Gesturetek, Inc.), a software development company pioneering gesture recognition and control using advanced interactive proprietary video technology. Mr. Weinreb received a Bachelor of Arts degree from Northwestern University and a Master of Science degree in Medical Biology from C.W. Post, Long Island University. We believe that Mr. Weinreb's executive-level management experience, his extensive experience in the adult stem cell sector and his service on our Board since October 2010 give him the qualifications and skills to serve as one of our directors.

#### **A. Jeffrey Radov**

A. Jeffrey Radov became a member of our Board and Chair of our Audit Committee in April 2011. He has served as Chair of our Nominating Committee since April 2015. Mr. Radov is an entrepreneur and businessman with more than 35 years of experience in media, communications and financial endeavors. Since 2002, he has served as the Managing Partner of Walworth Group, which provides consulting and advisory services to a variety of businesses, including hedge funds, media, entertainment and Internet companies, financial services firms and early stage ventures. Mr. Radov is also an advisor to GeekVentures, LLC, an incubator for technology startups in Israel. From 2008 to 2010, Mr. Radov was a Principal and Chief Operating Officer at Aldebaran Investments, LLC, a registered investment advisor. From 2005 to 2008, Mr. Radov was Chief Operating Officer at EagleRock Capital Management, a group of hedge funds. Prior to joining EagleRock, Mr. Radov was a founding investor in and Board member of Edusoft, Inc., an educational software company. From 2001 to 2002, Mr. Radov was a Founder-in-Residence at SAS Investors, an early-stage venture fund. From 1999 to 2001, Mr. Radov was CEO and co-founder of VocaLoca, Inc., an innovator in consumer-generated audio content on the Internet. Mr. Radov was a founding executive of About.Com, Inc., an online information source, and was its EVP of Business Development and Chief Financial Officer from its inception. In 1996, prior to founding About.Com, Mr. Radov was a Director at Prodigy Systems Company, a joint venture of IBM and Sears. Mr. Radov was also a principal in the management of a series of public limited partnerships that invested in the production and distribution of more than 130 major motion pictures. From 1982 to 1984, Mr. Radov was the Director of Finance at Rainbow Programming Enterprises, a joint venture among Cablevision Systems Corporation, Cox Broadcasting and Daniels & Associates. From 1977 to 1981, Mr. Radov was Director of Marketing at Winklevoss & Associates. Mr. Radov earned a Masters of Business Administration from The Wharton School of the University of Pennsylvania and holds a Bachelor of Arts degree from Cornell University. We believe that Mr. Radov's executive-level management experience and his extensive experience in the finance industry give him the qualifications and skills to serve as one of our directors.

#### **Paul Jude Tonna**

Paul Jude Tonna became a member of our Board and Chair of our Compensation Committee in June 2014. He has served as Chair of our Nominating Committee since April 2015. Mr. Tonna is a highly regarded community leader and an accomplished businessman with an extensive history of public service. From 1994 to 2005 he served as a Suffolk County, New York Legislator, and from 2000 through 2002 was its Presiding Officer. He currently serves as Executive Director and a member of the Board of Advisors for The Energeia Partnership at Molloy College, a leadership academy based in Rockville Centre, New York, dedicated to identifying and addressing the serious, complex and multi-dimensional issues challenging the Long Island region. Mr. Tonna is a former Adjunct Professor in Theology & Religious Studies at St. John's University. He served as Chairman of the Suffolk County Industrial Development Agency, and currently serves as Trustee of the Long Island State Parks & Recreation Commission and as Public Trustee of the Stationary Engineers Industry Stabilization Fund. Mr. Tonna is a board member of The Advanced Energy Research & Technology Center at Stony Brook University, The Long Island Index Advisory Board and Erase Racism's College of Advisors. He also serves as the Executive Director of the Suffolk County Village Officials Association and the United States Green Building Council-Long Island Chapter. Mr. Tonna is a founding director of Empire National Bank and Chairman and Commissioner of the South Huntington Water District. Mr. Tonna holds an undergraduate degree in Philosophy from New York University and a Master's degree in Theology from Immaculate Conception Seminary, and he conducted doctoral studies in Systemic Theology at Fordham University. We believe that Mr. Tonna's executive-level management experience and his extensive experience in the Long Island community give him the qualifications and skills to serve as one of our directors.

### **John M. Desmarais**

John M. Desmarais became a member of our Board of Directors in December 2015. Mr. Desmarais is the founding partner of Desmarais LLP, an intellectual property trial boutique established in 2010, and the founder and owner of Round Rock Research LLC, a patent licensing company. From 1997 to 2009, he was a partner at the international law firm of Kirkland & Ellis LLP and served as a member of the firm's Management Committee from 2004 to 2009. Prior to joining Kirkland, and after practicing in the area of intellectual property litigation and counseling for several years, he left private practice to serve as an Assistant United States Attorney in the Southern District of New York, where for three years he represented the federal government in criminal jury trials. Mr. Desmarais is a member of the bars of New York and Washington, D.C., the United States Supreme Court, the Federal Circuit Court of Appeals, and various other federal district courts and courts of appeal. He is also registered to practice before the United States Patent and Trademark Office. Mr. Desmarais has been recognized by numerous publications as one of the nation's leading intellectual property litigators. Mr. Desmarais obtained a degree in Chemical Engineering from Manhattan College and a law degree from New York University. We believe that Mr. Desmarais' business and legal experience, including his extensive experience in the area of intellectual property, give him the qualifications and skills to serve as one of our directors.

### **Family Relationships**

There are no family relationships among any of our executive officers and directors.

### **Term of Office**

Each Class I director will hold office until the 2021 annual meeting of stockholders and until his respective successor shall have been elected and have qualified or until his earlier resignation or removal. Each Class II director will hold office until the 2019 annual meeting of stockholders and until his respective successor shall have been elected and have qualified or until his earlier resignation or removal. Each Class III director will hold office until the 2020 annual meeting of stockholders and until his respective successor shall have been elected and have qualified or until his earlier resignation or removal. Each executive officer will hold office until the initial meeting of the Board of Directors following the next annual meeting of stockholders and until his or her successor is elected and qualified or until his or her earlier resignation or removal.

## Committees

### *Audit Committee*

The Audit Committee of the Board of Directors is responsible for overseeing our accounting and financial reporting processes and the services provided by our independent registered public accounting firm. The responsibilities and duties of the Audit Committee include the following:

- assist the Board of Directors in fulfilling its responsibilities by reviewing the financial reports provided by us to the SEC, our stockholders or to the general public, and our internal financial and accounting controls;
- oversee the appointment, compensation and retention of, and the work performed by, any independent registered public accounting firm engaged by us;
- recommend, establish and monitor procedures designed to improve the quality and reliability of the disclosure of our financial condition and results of operations;
- recommend, establish and monitor procedures designed to facilitate:
  - the receipt, retention and treatment of complaints relating to accounting, internal accounting controls or auditing matters; and
  - the receipt of confidential, anonymous submissions by employees of concerns regarding questionable accounting or auditing matters.

The members of our Board's Audit Committee currently are Messrs. Radov, Ryan and Tonna. Our Board has adopted a written charter for the Audit Committee. A copy of the charter is available on our website, [www.biorestorative.com](http://www.biorestorative.com).

### *Nominating Committee*

The Nominating Committee of the Board of Directors is responsible for assisting the Board in identifying and recruiting qualified individuals to become Board members and selecting director nominees to be presented for Board and/or stockholder approval. The members of the Nominating Committee currently are Messrs. Tonna, Radov and Ryan. Our Board has adopted a written charter for the Nominating Committee. A copy of the charter is available on our website, [www.biorestorative.com](http://www.biorestorative.com). While the Nominating Committee does not have a formal policy on diversity for members of the Board of Directors, the Nominating Committee considers diversity of background, experience and qualifications in evaluating prospective Board members. The Nominating Committee will consider qualified director candidates recommended by stockholders if such recommendations are provided in accordance with the procedures set forth in the section entitled "Stockholder Proposals - Stockholder Nominees" below. The Nominating Committee evaluates all candidates based upon, among other factors, a candidate's financial literacy, knowledge of our industry, other relevant background experience, judgment, skill, integrity, the interplay of a candidate's experience with the experience of other Board members, 'independence' (for purposes of compliance with the NASDAQ Marketplace Rules), and willingness, ability and availability for service. After conducting an initial evaluation of a prospective nominee, the Nominating Committee will interview that candidate if it believes the candidate might be suitable to be a director. The Nominating Committee may also ask the candidate to meet with management. If the Nominating Committee believes a candidate would be a valuable addition to our Board of Directors, it may recommend to the full Board that candidate's nomination and election. At this time, the Nominating Committee has not adopted minimum criteria for consideration of a proposed candidate for nomination.

### *Compensation Committee*

The Compensation Committee of the Board of Directors is responsible for the management of our business and affairs with respect to the compensation of our employees. The responsibilities and duties of the Compensation Committee include the following:

- review and approve corporate goals and objectives relevant to the compensation of our Chief Executive Officer, evaluate the Chief Executive Officer's performance in light of those goals and objectives, and determine and approve the Chief Executive Officer's compensation level based on this evaluation;
- make recommendations to the Board with respect to non-Chief Executive Officer compensation;
- approve any new equity compensation plan or any material change to an existing plan, approve grants pursuant to equity compensation plans and administer such plans;
- in consultation with management, oversee regulatory compliance with respect to compensation matters; and
- make recommendations to the Board with respect to any severance or similar termination payments proposed to be made to any current or former executive officer or member of senior management.

The members of the Compensation Committee currently are Messrs. Tonna, Catell and Radov. Our Board has adopted a written charter for the Compensation Committee. A copy of the charter is available on our website, [www.biorestorative.com](http://www.biorestorative.com).

The Compensation Committee may form and delegate authority to subcommittees and may delegate authority to one or more designated members of the Compensation Committee. Our Chief Executive Officer assists the Compensation Committee from time to time by advising on a variety of compensation matters, such as assisting the Compensation Committee in determining appropriate salaries and bonuses for our executive officers. The Compensation Committee has the authority to consult with management to assist it in its efforts.

Pursuant to its charter, the Compensation Committee also has the sole authority to retain and terminate outside compensation consultants, as well as to approve the consultant's fees and any other terms of the engagement.

## Board Leadership Structure and Role in Risk Oversight

Our Board of Directors as a whole is responsible for our risk oversight. Our executive officers address and discuss with our Board of Directors our risks and the manner in which we manage or mitigate such risks. While our Board of Directors has the ultimate responsibility for our risk oversight, our Board of Directors works in conjunction with its committees on certain aspects of its risk oversight responsibilities. In particular, our Audit Committee focuses on financial reporting risks and related controls and procedures and our Compensation Committee strives to create compensation practices that do not encourage excessive levels of risk taking that would be inconsistent with our strategies and objectives.

Since October 2010, Mark Weinreb has served as our Chief Executive Officer. Since April 2011, he has also served as our Chairman of the Board. We do not currently have a lead independent director. At this time, our Board believes that Mr. Weinreb's combined role as Chief Executive Officer and Chairman of the Board enables us to benefit from Mr. Weinreb's significant institutional and industry knowledge and experience, while at the same time promoting unified leadership and direction for our Board and executive management without duplication of effort and cost. Given our history, position, Board composition and the relatively small size of our company and management team, at this time, our Board believes that we and our stockholders are best served by our current leadership structure.

## Report of the Audit Committee

In overseeing the preparation of the financial statements of the Company as of December 31, 2017 and 2016, for the years then ended, the Audit Committee met with management to review and discuss all financial statements prior to their issuance and to discuss significant accounting issues. Management advised the Audit Committee that all financial statements were prepared in accordance with generally accepted accounting principles, and the Audit Committee discussed the statements with management. The Audit Committee also discussed with Marcum LLP, the Company's independent registered public accounting firm, the matters required to be discussed by Public Company Accounting Oversight Board Auditing Standard No. 1301, *Communications with Audit Committees*, as currently in effect.

The Audit Committee received the written disclosures and the letter from Marcum required by applicable requirements of the Public Company Accounting Oversight Board regarding Marcum's communications with the Audit Committee concerning independence and the Audit Committee discussed Marcum's independence with Marcum.

On the basis of these reviews and discussions, the Audit Committee recommended to the Board of Directors that the audited financial statements be included in the Company's Annual Report on Form 10-K for the year ended December 31, 2017, for filing with the SEC.

### Members of the Audit Committee

A. Jeffrey Radov  
Charles S. Ryan  
Paul Jude Tonna



## **Meetings**

Our Board of Directors held eight meetings during the fiscal year ended December 31, 2017.

The Audit Committee of the Board of Directors held four meetings during the fiscal year ended December 31, 2017.

The Nominating Committee of the Board of Directors did not meet during the fiscal year ended December 31, 2017.

The Compensation Committee of the Board of Directors held six meetings during the fiscal year ended December 31, 2017.

During the fiscal year ended December 31, 2017, all of our then directors attended at least 75% of the aggregate of the total number of meetings of the Board and the total number of the meetings of all committees of the Board on which they served.

We do not have a formal policy regarding director attendance at our annual meeting of stockholders. However, all directors are encouraged to attend. Mr. Weinreb was in attendance at last year's annual meeting of stockholders.

## **Communications with Board of Directors**

Any security holder who wishes to communicate with our Board of Directors or a particular director should send the correspondence to the Board of Directors, BioRestorative Therapies, Inc., 40 Marcus Drive, Suite One, Melville, New York 11747, Attention: Corporate Secretary. Any such communication so addressed will be forwarded by the Corporate Secretary to the members or a particular member of the Board.

## **Audit Committee Financial Expert**

Our Board of Directors has determined that Mr. Radov is an "audit committee financial expert," as defined in Item 407(d)(5) of Regulation S-K. Mr. Radov is an "independent director" based on the definition of independence in Listing Rule 5605(a)(2) of The Nasdaq Stock Market.

## **Section 16(a) Beneficial Ownership Reporting Compliance**

Section 16 of the Exchange Act requires that reports of beneficial ownership of common stock and changes in such ownership be filed with the SEC by Section 16 "reporting persons," including directors, certain officers, holders of more than 10% of the outstanding common stock and certain trusts of which reporting persons are trustees. We are required to disclose in this proxy statement each reporting person whom we know to have failed to file any required reports under Section 16 on a timely basis during the fiscal year ended December 31, 2017. To our knowledge, based solely on a review of copies of Forms 3, 4 and 5 filed with the SEC and written representations that no other reports were required, during the fiscal year ended December 31, 2017, our officers, directors and 10% stockholders complied with all Section 16(a) filing requirements applicable to them, except that Francisco Silva, our Vice President of Research and Development, filed one Form 4 late (reporting two transactions).

## **Director Independence**

### *Board of Directors*

Our Board of Directors is currently comprised of Mark Weinreb (Chairman), Robert B. Catell, John M. Desmarais, A. Jeffrey Radov, Charles S. Ryan and Paul Jude Tonna. Each of Messrs. Catell, Desmarais, Radov, Ryan and Tonna is currently an "independent director" based on the definition of independence in Listing Rule 5605(a)(2) of the listing standards of The Nasdaq Stock Market.

### *Audit Committee*

The members of our Board's Audit Committee currently are Messrs. Radov (Chairman), Ryan and Tonna, each of whom is an "independent director" based on the definition of independence in Listing Rule 5605(a)(2) of the listing standards of The Nasdaq Stock Market and Rule 10A-3(b)(1) under the Exchange Act.

### *Nominating Committee*

The members of our Board's Nominating Committee currently are Messrs. Tonna (Chairman), Radov and Ryan, each of whom is an "independent director" based on the definition of independence in Listing Rule 5605(a)(2) of the listing standards of The Nasdaq Stock Market.

### *Compensation Committee*

The members of our Board's Compensation Committee currently are Messrs. Tonna (Chairman), Catell and Radov, each of whom is an "independent director" based on the definition of independence in Listing Rule 5605(a)(2) of the listing standards of The Nasdaq Stock Market.

## **Code of Ethics for Senior Financial Officers**

Our Board of Directors has adopted a Code of Ethics for our principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions. A copy of the Code of Ethics is posted on our website, [www.biorestorative.com](http://www.biorestorative.com). We intend to satisfy the disclosure requirement under Item 5.05(c) of Form 8-K regarding an amendment to, or a waiver from, our Code of Ethics by posting such information on our website, [www.biorestorative.com](http://www.biorestorative.com).

## **Recommendation**

**The Board of Directors recommends a vote FOR all Class I nominees.**

**PROPOSAL 2: AMENDMENT TO CERTIFICATE OF INCORPORATION  
TO INCREASE NUMBER OF AUTHORIZED SHARES OF COMMON STOCK**

Our Board of Directors has adopted resolutions approving and submitting to a vote of the stockholders an amendment to Article FOURTH of our Certificate of Incorporation ("Certificate") to increase the number of authorized shares of common stock from 30,000,000 to 75,000,000.

Our Board of Directors believes that the availability of additional authorized shares of common stock will provide us with the flexibility in the future to issue shares of our common stock (i) for general corporate purposes, including raising additional capital and settling outstanding obligations, (ii) in connection with present and future employee benefit programs and (iii) in connection with acquisitions of companies or assets. We have no plans, arrangements or understandings, whether written or oral, to issue any of the common stock that will be newly available following the approval of this proposal by our stockholders.

Our Board of Directors will determine whether, when and on what terms the issuance of shares of our common stock may be warranted in connection with any future actions. No further action or authorization by our stockholders will be necessary before the issuance of the additional shares of our common stock authorized under our Certificate, except as may be required for a particular transaction by applicable law or regulatory agencies or by the rules of any stock market or exchange on which our common stock may then be listed.

Our Certificate currently authorizes the issuance of 30,000,000 shares of common stock, par value \$0.001 per share, and 5,000,000 shares of preferred stock, par value \$0.01 per share. As of June 28, 2018, there were \_\_\_\_\_ shares of common stock outstanding and no shares of preferred stock outstanding. In addition, as of June 28, 2018, \_\_\_\_\_ shares of common stock were issuable upon the exercise of outstanding options and warrants and the conversion of outstanding promissory notes.

Although our Board has no current plans to utilize the additional authorized shares of common stock to entrench present management, it may, in the future, be able to use the additional common stock as a defensive tactic against hostile takeover attempts. The authorization of such additional common stock will have no current anti-takeover effect. No hostile take-over attempts are, to our management's knowledge, currently threatened. There are no provisions in our Certificate or bylaws or other material agreements to which we are a party that would, in our management's judgment, have a significant anti-takeover effect; however, as described under "Proposal 1: Election of Directors," our Certificate provides for a classified Board of Directors and, as described under "Stockholder Proposals", our bylaws contain certain advance notification requirements for nominations of persons for election to our Board and proposals by stockholders at our annual meeting of stockholders.

The relative rights and limitations of the common stock would remain unchanged under the amendment. Our stockholders do not currently possess, nor upon the approval of the proposed authorized share increase will they acquire, preemptive rights, that would entitle such persons, as a matter of right, to subscribe for the purchase of any shares, rights, warrants or other securities or obligations convertible into, or exchangeable for, our securities. Therefore, the proposed increase in authorized shares of common stock could result in the dilution of the ownership interest of existing stockholders upon future issuances.

## Vote Required

The approval and adoption of the amendment to our Certificate of Incorporation to increase the number of authorized shares of common stock requires the affirmative vote of stockholders who hold a majority of the outstanding shares of common stock entitled to vote.

## Recommendation

**The Board of Directors recommends a vote FOR approval of the proposed amendment to our Certificate of Incorporation to increase the number of authorized shares of common stock from 30,000,000 to 75,000,000.**

### **PROPOSAL 3: AMENDMENT TO CERTIFICATE OF INCORPORATION TO INCREASE NUMBER OF AUTHORIZED SHARES OF PREFERRED STOCK**

Our Board of Directors has adopted resolutions approving and submitting to a vote of the stockholders an amendment to Article FOURTH of our Certificate to increase the number of authorized shares of preferred stock from 5,000,000 to 20,000,000.

Our Board of Directors believes that the availability of additional authorized shares of preferred stock will provide us with the flexibility in the future to issue shares of our preferred stock (i) for general corporate purposes, including raising additional capital and settling outstanding obligations, (ii) in connection with present and future employee benefit programs and (iii) in connection with acquisitions of companies or assets. We have no plans, arrangements or understandings, whether written or oral, to issue any of the preferred stock that will be newly available following the approval of this proposal by our stockholders.

Our Board of Directors will determine whether, when and on what terms the issuance of shares of our preferred stock may be warranted in connection with any future actions, including any dividend, liquidation, redemption, conversion and voting rights and preferences associated with such issued preferred stock. No further action or authorization by our stockholders will be necessary before the issuance of the additional shares of our preferred stock authorized under our Certificate, except as may be required for a particular transaction by applicable law or regulatory agencies or by the rules of any stock market or exchange on which our common or preferred stock may then be listed.

Our Certificate currently authorizes the issuance of 30,000,000 shares of common stock, par value \$0.001 per share, and 5,000,000 shares of preferred stock, par value \$0.01 per share. As of June 28, 2018, there were \_\_\_\_\_ shares of common stock outstanding and no shares of preferred stock outstanding. In addition, as of June 28, 2018, \_\_\_\_\_ shares of common stock were issuable upon the exercise of outstanding options and warrants and the conversion of outstanding notes.

Although our Board has no current plans to utilize the additional authorized shares of preferred stock to entrench present management, it may, in the future, be able to use the additional preferred stock as a defensive tactic against hostile takeover attempts. The authorization of such additional preferred stock will have no current anti-takeover effect. No hostile take-over attempts are, to our management's knowledge, currently threatened. There are no provisions in our Certificate or bylaws or other material agreements to which we are a party that would, in our management's judgment, have a significant anti-takeover effect; however, as described under "Proposal 1: Election of Directors", our Certificate provides for a classified Board of Directors and, as described under "Stockholder Proposals", our bylaws contain certain advance notification requirements for nominations of persons for election to our Board and proposals by stockholders at our annual meeting of stockholders.

Our stockholders do not currently possess, nor upon the approval of the proposed authorized share increase will they acquire, preemptive rights, that would entitle such persons, as a matter of right, to subscribe for the purchase of any shares, rights, warrants or other securities or obligations convertible into, or exchangeable for, our securities. Therefore, the proposed increase in authorized shares of preferred stock could result in the dilution of the ownership interest of existing stockholders upon future issuances.

#### **Vote Required**

The approval and adoption of the amendment to our Certificate of Incorporation to increase the number of authorized shares of preferred stock requires the affirmative vote of stockholders who hold a majority of the outstanding shares of common stock entitled to vote.

#### **Recommendation**

**The Board of Directors recommends a vote FOR approval of the proposed amendment to our Certificate of Incorporation to increase the number of authorized shares of preferred stock from 5,000,000 to 20,000,000.**

#### **PROPOSAL 4: AMENDMENT TO THE COMPANY'S 2010 EQUITY PARTICIPATION PLAN**

Our Board of Directors has approved an amendment to our 2010 Equity Participation Plan (the "Plan") to increase the number of shares of common stock authorized to be issued thereunder from 4,250,000 to 10,000,000. The amendment to the Plan is being submitted to the stockholders for approval.

The Plan was originally adopted by our Board on November 17, 2010. Pursuant to the Plan, up to 100,000 shares of common stock were initially authorized to be issued. Stockholder approval of the Plan was obtained effective as of December 15, 2010. Between March 2011 and October 2016, our Board and stockholders have approved, from time to time, increases in the number of shares authorized to be issued under the Plan to 4,250,000. On June 22, 2018, our Board increased the number of shares authorized to be issued under the Plan from 4,250,000 to 10,000,000.

As of June 28, 2018, options for the purchase 3,615,119 shares of common stock (net of cancellations) had been granted pursuant to the Plan. In addition, as of such date, 45,000 shares of restricted stock had been granted pursuant to the Plan and 589,881 shares were reserved for future grants under the Plan. See "Plan Benefits" below for additional details.

The Plan plays an important role in our efforts to attract and retain employees of outstanding ability and to align the interests of employees with those of the stockholders through increased stock ownership. In order to continue to provide appropriate equity incentives to employees in the future, our Board has approved an increase in the number of authorized shares under the Plan. As discussed below, the Plan is also designed to provide incentives to our non-employee directors, consultants and advisors.

**The following statements include summaries of certain provisions of the Plan. The statements do not purport to be complete and are qualified in their entirety by reference to the provisions of the Plan, a copy of which is available at our offices.**

#### **Purpose**

The purpose of the Plan is to advance our interests by inducing individuals or entities of outstanding ability and potential to join and remain with, or provide consulting or advisory services to, us by encouraging and enabling eligible employees, non-employee directors, consultants and advisors to acquire proprietary interests in our company, and by providing the participating employees, non-employee directors, consultants and advisors with an additional incentive to promote our success.

#### **Administration**

The Plan provides for its administration by the Board of Directors or by a Committee (the "Committee") consisting of at least two persons chosen by the Board each of whom is intended to be an "outside independent director" to the extent required by the rules and regulations of any established stock market exchange or national market system, including, without limitation, The Nasdaq Stock Market, and an "outside director" to the extent required by Section 162(m) of the Internal Revenue Code of 1986 (the "Code"). The following discussion of the Plan assumes that the Plan is administered by the Committee.

The Committee has authority (subject to certain restrictions) to select from the group of eligible employees, non-employee directors, consultants and advisors the individuals or entities to whom awards will be granted under the Plan, and to determine the times at which awards will be granted and the terms of such grants. The Committee is authorized to interpret the Plan and the interpretation and construction by the Committee of any provision of the Plan or of any award granted under the Plan shall be final and conclusive. The receipt of awards under the Plan by directors or any members of the Committee shall not preclude their vote on any matters in connection with the administration or interpretation of the Plan.

## Eligibility

Subject to certain limitations as set forth in the Plan, options to purchase shares may be granted thereunder to persons or entities who, in the case of incentive stock options, are employees of our company or, in the case of nonstatutory stock options, are employees or non-employee directors of, or certain consultants or advisors to, our company. Subject to certain limitations as set forth in the Plan, restricted stock, stock appreciation rights, and stock bonus awards may be granted thereunder to persons or entities who are employees or non-employee directors of, or certain consultants or advisors to, us.

As of June 28, 2018, nine employees, five non-employee directors, four members of our Scientific Advisory Board and persons providing certain consulting services to us were eligible to receive awards under the Plan.

## Options

### *Nature of Options*

The Committee may grant options under the Plan which are intended to either qualify as "incentive stock options" within the meaning of Section 422 of the Code or not so qualify. We refer to options that do not so qualify as "nonstatutory stock options." The Federal income tax consequences relating to the grant and exercise of incentive stock options and nonstatutory stock options are described below under "Federal Income Tax Consequences."

### *Option Price*

The option price of the shares subject to an incentive stock option or a nonstatutory stock option may not be less than the fair market value (as such term is defined in the Plan) of the common stock on the date upon which such option is granted. In addition, in the case of a recipient of an incentive stock option who, at the time the option is granted, owns more than 10% of the total combined voting power of all classes of our stock or of a parent or of any of our subsidiaries, the option price of the shares subject to such option must be at least 110% of the fair market value of the common stock on the date upon which such option is granted.

On July \_\_, 2018, the last reported sale price for our common stock on the OTCQB market was \$ \_\_\_\_ per share.

### *Exercise of Options*

An option granted under the Plan shall be exercised by the delivery by the holder to our Secretary at our principal office of a written notice of the number of shares with respect to which the option is being exercised. The notice must be accompanied, or followed within ten days, by payment of the full option price of such shares which must be made by the holder's delivery of (i) a check in such amount, (ii) previously acquired common stock, the fair market value of which shall be determined as of the date of exercise, or (iii) if provided for in a stock option agreement pursuant to which the option is granted, and subject to applicable law, a check in an amount equal to the par value of the common stock being acquired and a promissory note in an amount equal to the balance of the exercise price, or a combination of (i), (ii) and (iii). Alternatively, if provided for in the award agreement, the holder may elect to have us reduce the number of shares otherwise issuable by a number of shares having a fair market value equal to the exercise price of the option being exercised (a "Net Exercise").

#### *Duration of Options*

No incentive stock option granted under the Plan shall be exercisable after the expiration of ten years from the date of its grant. However, if an incentive stock option is granted to a 10% stockholder, the option shall not be exercisable after the expiration of five years from the date of its grant.

Nonstatutory stock options granted under the Plan shall be exercisable for a period of up to ten years from the date of their grant.

#### *Reload Options*

The Committee may grant options with a reload feature. A reload feature shall only apply when the option price is paid by delivery of common stock or by having us reduce the number of shares otherwise issuable to a grantee (in the case of a Net Exercise). A reload stock option will cover the number of shares tendered in payment of the exercise price (or not issued in the case of a Net Exercise) and will have a per share exercise price not less than the fair market value of the common stock on the date of grant of the reload stock option and, with respect to incentive stock options granted to 10% stockholders, 110% of the fair market value of a share of common stock on the date of grant of the reload option. The term of the reload option shall be equal to the remaining option term of the option which gave rise to the reload option.

#### *Non-Transferability*

Options granted under the Plan are not transferable otherwise than by will or the laws of descent and distribution and such options are exercisable, during a holder's lifetime, only by the grantee; provided, however, that a nonstatutory stock option granted under the Plan may, upon the approval of the Committee be transferred in whole or in part during a grantee's lifetime to certain family members of a grantee through a gift or domestic relations offer.

#### *Death, Disability or Termination of Employment*

Subject to the terms of the agreement pursuant to which the options are granted, if the employment of an employee or the services of a non-employee director, consultant or advisor shall terminate other than by reason of death or disability, such option may be exercised at any time within three months after such termination, but in no event after the expiration of the option.

Subject to the terms of the agreement pursuant to which the options are granted, if an option holder under the Plan (i) dies while employed by us or while serving as a non-employee director of, or consultant or advisor to, us, or (ii) dies within three months after the termination of his employment or services for any reason, then such option may be exercised by the estate of the employee, non-employee director, consultant or advisor, or by a person who acquired such option by bequest or inheritance from the deceased option holder, at any time within one year after his death.



Subject to the terms of the stock option agreement pursuant to which the options are granted, if the holder of an option under the Plan ceases employment or services because of permanent and total disability (within the meaning of Section 22(e)(3) of the Code) while employed by, or while serving as a non-employee director of, or consultant or advisor to, us, then such option may be exercised at any time within one year after his termination of employment, termination of directorship, or termination of consulting or advisory arrangement or agreement due to the disability. Notwithstanding the foregoing, in the event we are a party to an employment, consulting or advisory agreement with a holder of an option and such agreement provides for termination of employment or engagement based upon a disability or other incapacity, then, for such holder, a termination of employment or engagement for disability or other incapacity pursuant to the provisions thereof shall be considered to be a termination based upon permanent and total disability.

### **Stock Appreciation Rights**

The Committee may grant stock appreciation rights (an "SAR") to such persons eligible under the Plan as selected from time to time. SARs shall be granted at such times, in such amounts and under such other terms and conditions as the Committee shall determine. An SAR entitles the grantee to exercise the SAR, in whole or in part, in exchange for payment of shares of our common stock, cash or a combination thereof, as determined by the Committee, equal in value to the excess of the fair market value of the shares of our common stock underlying the SAR, determined on the date of exercise, over the fair market value of our common stock underlying the SAR on the date of grant.

No SAR granted under the Plan shall be exercisable after the expiration of ten years from the date of its grant.

### **Restricted Stock Grants**

The Committee may grant restricted stock under the Plan to any individual or entity eligible to receive restricted stock. A restricted stock award is an award of shares of our common stock that is subject to certain conditions on vesting and to certain restrictions on transferability.

Shares granted pursuant to a grant of restricted stock shall vest as determined by the Committee. Except as otherwise provided in the award agreement, a grantee shall forfeit all shares not previously vested, if any, at such time as the grantee is no longer employed by, or serving as a director of, or rendering consulting or advisory services to, us.

In determining the vesting requirements with respect to a grant of restricted stock, the Committee may impose such restrictions on any shares granted as it may deem advisable including, without limitation, restrictions relating to length of service, corporate performance, attainment of individual or group performance goals and federal or state securities laws. During the period that the restricted stock is unvested, the grantee will be the record owner of the restricted stock and shall be entitled to receive all dividends and other distributions paid with respect to such shares while they are so restricted. However, if any dividends or distributions are paid in shares of our stock, cash and/or other property during an applicable period of restriction, the shares, cash and/or other property deliverable shall be held by us or a third party custodian or trustee and will be subject to the same restrictions as the restricted stock with respect to which they were issued.

No shares granted pursuant to a grant of restricted stock may be sold, transferred, pledged, assigned or otherwise alienated or hypothecated until, and only to the extent that, such shares are vested.

#### **Stock Bonus Grants**

The Committee may grant stock bonus awards to such persons eligible under the Plan as the Committee may select from time to time. Stock bonus awards shall be granted at such times, in such amounts and under such other terms and conditions as the Committee shall determine. Shares granted pursuant to a stock bonus shall vest as determined by the Committee. Except as otherwise provided in the award agreement, a grantee shall forfeit the right to receive all shares not previously vested, if any, at such time as the grantee is no longer employed by, or serving as a director of, or rendering consulting or advisory services to, us.

#### **Amendment and Termination**

The Plan (but not the options previously granted thereunder) shall terminate on November 17, 2020, ten years from the date that it was adopted by our Board. Subject to certain limitations, the Plan may be amended or modified from time to time or terminated at an earlier date by our Board or by the stockholders.

#### **Federal Income Tax Consequences**

The following discussion is intended only as a brief summary of the federal income tax rules relevant to stock options granted under the Plan. These rules are highly technical and subject to change. The following discussion is limited to the federal income tax rules relevant to us and to the individuals who are citizens or residents of the United States. The discussion does not address state, local or foreign income tax consequences.

##### *Nonstatutory Stock Options*

Under the Code and the Treasury Department Regulations, a nonstatutory stock option does not ordinarily have a readily ascertainable fair market value when it is granted. This rule will apply to our grant of nonstatutory stock options. Consequently, the grant of a nonstatutory stock option to an optionee will result in neither income to him or her nor a deduction to us. Instead, the optionee will recognize compensation income at the time he or she exercises the nonstatutory stock option in an amount equal to the excess, if any, of the then fair market value of the shares transferred to the optionee over the option price. Subject to the applicable provisions of the Code and the Treasury Department Regulations regarding withholding of tax, a deduction will be allowable to us in the year of exercise in the same amount as is includable in the optionee's income.

For purposes of determining the optionee's gain or loss on the sale or other disposition of the shares transferred to him or her upon exercise of a nonstatutory stock option, the optionee's basis in such shares will be the sum of the optionee's option price plus the amount of compensation income recognized by him or her on exercise. Such gain or loss will be capital gain or loss and will be long-term or short-term depending upon whether the optionee held the shares for more than one year or one year or less. No part of any such gain will be an item of tax preference for purposes of the alternative minimum tax.

#### *Incentive Stock Options*

Options granted under the Plan which qualify as incentive stock options under Section 422 of the Code will be treated as follows:

Except to the extent that the alternative minimum tax rule described below applies, no tax consequences will result to the optionee or us from the grant of an incentive stock option to, or the exercise of an incentive stock option by, the optionee. Instead, the optionee will recognize gain or loss when he or she sells or disposes of the shares transferred to him or her upon exercise of the incentive stock option. For purposes of determining such gain or loss, the optionee's basis in such shares will be his or her option price. If the date of sale or disposition of such shares is at least two years after the date of the grant of the incentive stock option, and at least one year after the transfer of the shares to the optionee upon exercise of the incentive stock option, the optionee will realize long-term capital gain treatment upon their sale or disposition.

Generally, we will not be allowed a deduction with respect to an incentive stock option. However, if an optionee fails to meet the foregoing holding period requirements (a so-called disqualifying disposition), any gain recognized by the optionee upon the sale or disposition of the shares transferred to him or her upon exercise of an incentive stock option will be treated in the year of such sale or disposition as ordinary income, rather than capital gain, to the extent of the excess, if any, of the fair market value of the shares at the time of exercise (or, if less, in certain cases the amount realized on such sale or disposition) over their option price, and in that case we will be allowed a corresponding deduction.

For purposes of the alternative minimum tax, the amount, if any, by which the fair market value of the shares transferred to the optionee upon such exercise exceeds the option price will be included in determining the optionee's alternative minimum taxable income. In addition, for purposes of such tax, the basis of such shares will include such excess.

To the extent that the aggregate fair market value (determined at the time the option is granted) of the stock with respect to which incentive stock options are exercisable for the first time by the optionee during any calendar year exceeds \$100,000, such options will not be incentive stock options. In this regard, upon the exercise of an option which is deemed, under the rule described in the preceding sentence, to be in part an incentive stock option and in part a nonstatutory stock option, under existing Internal Revenue Service guidelines, we may designate which shares issued upon exercise of such options are incentive stock options and which shares are nonstatutory stock options. In the absence of such designation, a pro rata portion of each share issued is to be treated as issued pursuant to the exercise of an incentive stock option and the balance of each share treated as issued pursuant to the exercise of a nonstatutory stock option.

## New Plan Benefits

The benefits that will be awarded or paid under the Plan are not currently determinable. Awards granted under the Plan are within the discretion of the Committee, and the Committee has not determined future awards or who might receive them.

## Plan Benefits

The following table sets forth certain information regarding options granted under the Plan (net of forfeitures), as of June 28, 2018, to (i) each person listed in the Summary Compensation Table under Executive Compensation, (ii) all current executive officers as a group, (iii) all current directors who are not executive officers as a group, (iv) each nominee for election as a director, (v) each associate of any such directors, executive officers or nominees, (vi) each other person who received 5% of the options granted and (vii) all employees, including current officers who are not executive officers, as a group:

Name and Position	Common Stock Underlying Options Granted	Weighted Average Exercise Price Per Share
Mark Weinreb Chief Executive Officer, President and Chairman of the Board	1,044,500	\$4.09
Edward Field President of Disc/Spine Division <sup>(1)</sup>	51,668	\$4.20
Francisco Silva Vice President of Research and Development	240,650	\$3.83
Mandy Clyde Vice President of Operations	144,050	\$3.85
Adam D. Bergstein Senior Vice President, Planning and Business Development	500,000	\$3.40
A. Jeffrey Radov Director	491,000	\$4.10
Paul Jude Tonna Director	289,000	\$3.90
Charles S. Ryan Director	181,000	\$3.71
John M. Desmarais Director	175,000	\$3.52
Robert B. Catell Director	144,000	\$3.46
All current executive officers as a group	1,929,200	\$3.86
All current directors who are not executive officers as a group	1,280,000	\$3.85
All employees, including all current officers who are not executive officers, as a group	2,026,700	\$3.84

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(1) Mr. Field resigned as an officer on July 24, 2017.

#### Securities Authorized for Issuance Under Equity Compensation Plans

The following table sets forth information as of December 31, 2017 with respect to compensation plans (including individual compensation arrangements) under which our shares of common stock are authorized for issuance, aggregated as follows:

- All compensation plans previously approved by security holders; and
- All compensation plans not previously approved by security holders.

#### Equity Compensation Plan Information

	Number of securities to be issued upon exercise of outstanding options (a)	Weighted-average exercise price of outstanding options (b)	Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column (a))
Equity compensation plans approved by security holders	3,122,202	\$ 4.25	1,082,798
Total	3,122,202	\$ 4.25	1,082,798

#### Vote Required

The approval of the amendment to the Plan requires the affirmative vote of stockholders who hold a majority of the shares of common stock present in person or represented by proxy at the meeting and entitled to vote.

#### Recommendation

**The Board of Directors recommends a vote FOR approval of the amendment to the Plan to increase the number of shares authorized to be issued from 4,250,000 to 10,000,000.**

#### PROPOSAL 5: RATIFICATION OF SELECTION OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

The Audit Committee of our Board of Directors has selected Marcum LLP as our independent registered public accounting firm to examine our financial statements for the fiscal year ending December 31, 2018.

Although ratification by stockholders is not required by our organizational documents or other applicable law, our Board of Directors has determined that requesting ratification by stockholders of the appointment of Marcum LLP as our independent registered public accounting firm for the fiscal year ending December 31, 2018 is a matter of good corporate practice. If stockholders do not ratify the selection, the Audit Committee of our Board may reconsider whether or not to retain Marcum LLP, but may still retain them. Even if the selection is ratified, the Audit Committee, in its discretion, may change the appointment at any time during the year if it determines that such a change would be in the best interests of us and our stockholders.

Marcum LLP served as our independent registered public accountants for the fiscal years ended December 31, 2017 and 2016.

It is not expected that a representative of Marcum LLP will attend the meeting.

The following is a summary of the fees billed or expected to be billed to us by Marcum LLP for professional services rendered with respect to the fiscal years ended December 31, 2017 and 2016:

<b>Fee Category</b>	<b>2017</b>	<b>2016</b>
Audit Fees(1)	\$ 144,551	\$ 118,000
Audit-Related Fees(2)	-	-
Tax Fees(3)	9,000	9,000
All Other Fees(4)	-	-
	<u>\$ 153,551</u>	<u>\$ 127,000</u>

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- (1) Audit Fees consist of fees billed and expected to be billed for services rendered for the audit of our consolidated financial statements for the fiscal years ended December 31, 2017 and 2016 and in connection with the filing of Forms S-1 and S-8 registration statements.
- (2) Audit-Related Fees consist of fees billed for assurance and related services that are reasonably related to the performance of the audit of our financial statements and are not reported under "Audit Fees."
- (3) Tax Fees consist of fees billed for professional services related to preparation of our U.S. federal and state income tax returns and tax advice.
- (4) All Other Fees consist of fees billed for products and services provided by our independent registered public accountants, other than those disclosed above.

The Audit Committee is responsible for the appointment, compensation and oversight of the work of the independent registered public accountants, and approves in advance any services to be performed by the independent registered public accountants, whether audit-related or not. The Audit Committee reviews each proposed engagement to determine whether the provision of services is compatible with maintaining the independence of the independent registered public accountants. The fees shown above were pre-approved either by our Board or our Audit Committee.

### **Vote Required**

The ratification of the selection of Marcum LLP as our independent registered public accounting firm for the fiscal year ending December 31, 2018 requires the affirmative vote of stockholders who hold a majority of the shares of common stock present in person or represented by proxy at the meeting and entitled to vote.

### **Recommendation**

**The Board of Directors recommends that stockholders vote FOR the ratification of the selection of Marcum LLP as our independent registered public accounting firm for the fiscal year ending December 31, 2018.**

### **PROPOSAL 6: ADJOURNMENT TO SOLICIT ADDITIONAL PROXIES**

Stockholders are being asked to grant authority to proxy holders to vote in favor of one or more adjournments of the meeting, if necessary or appropriate, to solicit additional proxies if there are insufficient votes at the time of the meeting to adopt one or more of the foregoing proposals. If this proposal is approved, the meeting could be successively adjourned to any date. In accordance with our bylaws, a vote on adjournments of the meeting, if necessary or appropriate, to solicit additional proxies if there are insufficient votes at the time of the meeting to adopt one or more of the foregoing proposals may be taken in the absence of a quorum. We do not intend to call a vote on adjournments of the meeting to solicit additional proxies if the adoption of each of the foregoing proposals is approved at the meeting. If the meeting is adjourned to solicit additional proxies, stockholders who have already submitted their proxies will be able to revoke them at any time prior to their use.

### **Vote Required**

The approval of authority to adjourn the meeting requires the affirmative vote of stockholders who hold a majority of the shares of common stock present in person or represented by proxy at the meeting and entitled to vote.

### **Recommendation**

**The Board of Directors recommends that stockholders vote FOR adjournments of the meeting, if necessary or appropriate, to solicit additional proxies if there are insufficient votes at the time of the meeting to adopt one or more of the foregoing proposals.**

### **STOCKHOLDER PROPOSALS**

Stockholder proposals intended to be presented at our next annual meeting of stockholders pursuant to the provisions of Rule 14a-8 of the SEC, promulgated under the Exchange Act, must be received at our offices in Melville, New York by March \_\_, 2019 for inclusion in our proxy statement and form of proxy relating to such meeting.

The following requirements with respect to stockholder proposals and stockholder nominees to our Board of Directors are included in our bylaws.

## Stockholder Proposals

In order for a stockholder to make a proposal at an annual meeting of stockholders, under our bylaws, timely notice must be received by us in advance of the meeting. To be timely, a stockholder's notice must be delivered to or mailed and received by our Secretary at our principal executive offices not less than 45 days nor more than 75 days prior to the one-year anniversary of the date on which we first mailed the proxy materials for the preceding year's annual meeting of stockholders; provided, however, that if the meeting is convened more than 30 days prior to or delayed more than 30 days after the anniversary of the preceding year's annual meeting or if no annual meeting was held in the preceding year, to be timely a stockholder's notice must be received not later than the close of business on the later of (i) the 90<sup>th</sup> day before such annual meeting or (ii) the 10<sup>th</sup> day following the day on which public announcement of the date of such meeting is first made.

A stockholder's notice must set forth as to each matter the stockholder proposes to bring before the annual meeting certain information regarding the proposal, including the following:

- a brief description of the business desired to be brought before the meeting, the reasons for conducting such business at the meeting and any material interest (financial or other) of such stockholder in such business; and
- with respect to the stockholder proposing such business or the beneficial owner, if any, on whose behalf the proposal is made: (i) the name and address of each such party; (ii) the class and number of shares that are beneficially owned by each such party; (iii) any derivative instruments that are beneficially owned by each such party and any other opportunity to profit or share in any profit derived from any increase or decrease in the value of our capital stock; (iv) any proxy or arrangement pursuant to which either party has a right to vote any shares; (v) any short interest in any of our securities; (vi) any rights to dividends that are separated from our underlying shares; (vii) any proportionate interest in our capital stock or any derivative instruments held by a general or limited partnership in which either party is a general partner or beneficially owns a general partner; (viii) any performance-related fees (other than an asset-based fee) that each such party is entitled to based on any increase or decrease in the value of our capital stock or any derivative instruments; (ix) any other information relating to each such party that would be required to be disclosed in a proxy statement; and (x) a statement as to whether or not each such party will deliver a proxy statement and form of proxy to holders of at least that percentage of voting power of all of our shares of capital stock required under applicable law to carry the proposal.

## Stockholder Nominees

In order for a stockholder to nominate a candidate for director at an annual meeting of stockholders, under our bylaws, timely notice of the nomination must be received by us in advance of the meeting. To be timely, a stockholder's notice must be delivered to or mailed and received by our Secretary at our principal executive offices not less than 45 days nor more than 75 days prior to the one-year anniversary of the date on which we first mailed the proxy materials for the preceding year's annual meeting of stockholders; provided, however, that if the meeting is convened more than 30 days prior to or delayed more than 30 days after the anniversary of the preceding year's annual meeting or if no annual meeting was held in the preceding year, to be timely a stockholder's notice must be so received not later than the close of business on the later of (i) the 90<sup>th</sup> day before such annual meeting or (ii) the 10<sup>th</sup> day following the day on which public announcement of the date of such meeting is first made.



The stockholder sending the notice of nomination must describe various matters, including the following:

- as to each person whom the stockholder proposes to nominate for election as a director, all information relating to such person as would be required to be disclosed in solicitations of proxies for election of such nominee as a director pursuant to Regulation 14A under the Exchange Act;
- with respect to the stockholder proposing such nomination or the beneficial owner, if any, on whose behalf the nomination is made: (i) the name and address of each such party; (ii) the class and number of shares that are beneficially owned by each such party; (iii) any derivative instruments that are beneficially owned by each such party and any other opportunity to profit or share in any profit derived from any increase or decrease in the value of our capital stock; (iv) any proxy or arrangement pursuant to which either party has a right to vote any shares; (v) any short interest in any of our securities; (vi) any rights to dividends that are separated from our underlying shares; (vii) any proportionate interest in our capital stock or any derivative instruments held by a general or limited partnership in which either party is a general partner or beneficially owns a general partner; (viii) any performance-related fees (other than an asset-based fee) that each such party is entitled to based on any increase or decrease in the value of our capital stock or any derivative instruments; (ix) any other information relating to each such party that would be required to be disclosed in a proxy statement; and (x) a statement as to whether or not each such party will deliver a proxy statement and form of proxy to holders of at least that percentage of voting power of all of the shares of our capital stock reasonably believed to be sufficient to elect the nominee or nominees proposed to be nominated; and
- the written consent by the nominee, agreeing to serve as a director if elected.

These requirements are separate from and in addition to the requirements a stockholder must meet to have a proposal included in our proxy statement.

Any notice given pursuant to the foregoing requirements must be sent to our Secretary at 40 Marcus Drive, Suite One, Melville, New York 11747. **The foregoing is only a summary of the provisions of our bylaws that relate to stockholder proposals and stockholder nominations for director. Any stockholder desiring a copy of our bylaws will be furnished one without charge upon receipt of a written request therefor.**

#### **OTHER BUSINESS**

While the accompanying Notice of Annual Meeting of Stockholders provides for the transaction of such other business as may properly come before the meeting, we have no knowledge of any matters to be presented at the meeting other than those listed as Proposals 1, 2, 3, 4, 5 and 6 in the notice. However, the enclosed proxy gives discretionary authority in the event that any other matters should be presented.

## INCORPORATION OF CERTAIN INFORMATION BY REFERENCE

This proxy statement is accompanied by a copy of our Annual Report on Form 10-K for the fiscal year ended December 31, 2017 (the "Form 10-K") and our Quarterly Report on Form 10-Q for the period ended March 31, 2018 (the "Form 10-Q").

The following information from our Form 10-K, as filed with the SEC pursuant to Section 13 or 15(d) of the Exchange Act, is hereby incorporated by reference into this proxy statement:

- "Management's Discussion and Analysis of Financial Condition and Results of Operations," included in Item 7 thereof;
- our audited consolidated financial statements as of December 31, 2017 and 2016 and for the years then ended, included in Item 8 thereof (found following Item 16 thereof); and
- "Changes in and Disagreements with Accountants on Accounting and Financial Disclosure," included in Item 9 thereof.

The following information from our Form 10-Q, as filed with the SEC pursuant to Section 13 or 15(d) of the Exchange Act, is hereby incorporated by reference into this proxy statement:

- our unaudited condensed consolidated financial statements as of March 31, 2018 and for the three months ended March 31, 2018 and 2017; and
- "Management's Discussion and Analysis of Financial Condition and Results of Operations," included in Part I, Item 2 thereof.

Any statement contained in a document incorporated herein by reference shall be deemed to be modified or superseded for purposes of this proxy statement to the extent that a statement contained herein modifies or supersedes such statement. Any statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this proxy statement.

Mark Weinreb  
Chief Executive Officer

Melville, New York  
July \_\_, 2018