

**AMENDED AND RESTATED
CERTIFICATE OF INCORPORATION OF
ATHENAGEN, INC.**

Athenagen, Inc., a corporation organized and existing under the laws of the State of Delaware (the "Corporation"), certifies that:

A. The name of the Corporation is Athenagen, Inc. The Corporation's original Certificate of Incorporation was filed with the Secretary of State of the State of Delaware on April 29, 2004.

B. This Amended and Restated Certificate of Incorporation was duly adopted in accordance with Sections 242 and 245 of the General Corporation Law of the State of Delaware, and restates, integrates and further amends the provisions of the Corporation's Certificate of Incorporation.

C. The text of the Amended and Restated Certificate of Incorporation is amended and restated to read as set forth in EXHIBIT A attached hereto.

IN WITNESS WHEREOF, the Corporation has caused this Amended and Restated Certificate of Incorporation to be signed by W. Scott Harkonen, M.D., a duly authorized officer of the Corporation, on September 18, 2006.

/s/ W. Scott Harkonen, M.D.

W. Scott Harkonen, M.D.

President and Chief Executive Officer

*State of Delaware
Secretary of State
Division of Corporations
Delivered 08:23 PM 09/18/2006
FILED 08:17 PM 09/18/2006
SRV 060860132 - 3797104 FILE*

EXHIBIT A

ARTICLE I

The name of the Corporation is Athenagen, Inc.

ARTICLE II

The purpose of the Corporation is to engage in any lawful act or activity for which corporations may be organized under the General Corporation Law of the State of Delaware.

ARTICLE III

The address of the Corporation's registered office in the State of Delaware is 1209 Orange Street, City of Wilmington, County of New Castle, 19801. The name of the registered agent at such address is The Corporation Trust Company.

ARTICLE IV

The total number of shares of stock that the corporation shall have authority to issue is 382,502,695, consisting of 220,000,000 shares of Common Stock, \$0.0001 par value per share, and 162,502,695 shares of Preferred Stock, \$0.0001 par value per share, of which 44,502,695 shares are designated "**Series A Preferred Stock**" and 118,000,000 shares are designated "**Series B Preferred Stock**."

ARTICLE V

The terms and provisions of the Common Stock and Preferred Stock are as follows:

1. **Definitions.** For purposes of this ARTICLE V, the following definitions shall apply:

(a) "**Sanderling and Clarus Approval**" shall mean the approval of both Sanderling Venture Partners VI, L.P. or its affiliated entities and persons ("**Sanderling**") and Clarus Lifesciences I, L.P. or its affiliated entities and persons ("**Clarus**"), for so long as each of Sanderling and Clarus own at least 10% of the shares of Series B Preferred Stock it purchased under that certain Series B Preferred Stock Purchase Agreement dated on or about the date hereof among the Corporation and the other parties named therein (as the same currently exists and as may be amended from time to time, the "**Purchase Agreement**").

(b) "**Conversion Price**" shall mean \$0.47 per share for the Series A Preferred Stock and \$0.43 per share for the Series B Preferred Stock (subject to adjustment from time to time for Recapitalizations and as otherwise set forth elsewhere herein).

(c) "**Convertible Securities**" shall mean any evidences of indebtedness, shares or other securities convertible into or exchangeable for Common Stock.

(d) "**Corporation**" shall mean Athenagen, Inc.

(e) **"Deemed Liquidation"** Unless the holders of at least 50% of the outstanding shares of the Preferred Stock (on an as if converted to Common Stock basis) elect otherwise, including Sanderling and Clarus Approval, a liquidation, dissolution or winding up of the Corporation shall be deemed to be occasioned by, or to include each of the following (each a **"Deemed Liquidation"**): (a) the acquisition of the Corporation by another entity by means of any transaction or series of related transactions to which the Corporation is party (including, without limitation, any stock acquisition, reorganization, merger or consolidation but excluding any sale of stock for capital raising purposes) other than a transaction or series of transactions in which the holders of the voting securities of the Corporation outstanding immediately prior to such transaction continue to retain (either by such voting securities remaining outstanding or by such voting securities being converted into voting securities of the surviving entity), as a result of shares in the Corporation held by such holders prior to such transaction, at least 50% of the total voting power represented by the voting securities of the Corporation or such surviving entity outstanding immediately after such transaction or series of transactions; (b) a sale, lease or other conveyance of all or substantially all of the assets of the Corporation; or (c) any liquidation, dissolution or winding up of the Corporation, whether voluntary or involuntary

(f) **"Disinterested Series B Preferred Stock"** shall mean, with respect to any Interested Party Transaction, the Series B Preferred Stock then outstanding not owned, held or controlled by Sanderling or Clarus

(g) **"Distribution"** shall mean the transfer of cash or other property without consideration whether by way of dividend or otherwise, other than dividends on Common Stock payable in Common Stock, or the purchase or redemption of shares of the Corporation for cash or property other than: (i) repurchases of Common Stock issued to or held by employees, officers, directors or consultants of the Corporation or its subsidiaries at the same price per share originally paid by such employees, officers, directors or consultants of the Corporation upon termination of their employment or services pursuant to agreements providing for the right of said repurchase, (ii) repurchases of Common Stock issued to or held by employees, officers, directors or consultants of the Corporation or its subsidiaries pursuant to rights of first refusal contained in agreements providing for such right, or (iii) any other repurchase or redemption of capital stock of the Corporation approved by the holders of the Common and Preferred Stock of the Corporation voting as separate classes (including Sanderling and Clarus Approval).

(h) **"Dividend Rate"** shall mean, with respect to each series of Preferred Stock, an annual rate equal to 8.5% of the Original Issue Price for such series of Preferred Stock.

(i) **"Interested Party Transaction"** shall mean any transaction, contract or amendment of a contract between the Corporation and both: (x) Sanderling or any entity in which it has a material financial interest; and (y) Clarus or any entity in which it has a material financial interest, other than the transactions contemplated in the Purchase Agreement as at the date hereof.

(j) **"Liquidation Preference"** shall mean \$0.47 per share for the Series A Preferred Stock and \$0.43 per share for the Series B Preferred Stock (subject to adjustment from time to time for Recapitalizations and as otherwise set forth elsewhere herein).

(k) "**Major Milestone**" shall mean: (1) the Board of Directors' decision to initiate a Phase II Clinical Trial for ATG-3 in age-related macular degeneration patients; and (2) the submission and acceptance of an Investigational New Drug Application submitted under the U.S. Federal Food, Drug and Cosmetic Act, as amended, or, with respect to a jurisdiction other than the United States, any comparable application required by a governmental authority for purposes of obtaining permission to initiate human clinical testing in such jurisdiction, related to beta-secretase inhibitor in Alzheimer's disease.

(l) "**Options**" shall mean rights, options or warrants to subscribe for, purchase or otherwise acquire Common Stock or Convertible Securities.

(m) "**Original Issue Price**" shall mean \$0.47 per share for the Series A Preferred Stock and \$0.43 per share for the Series B Preferred Stock (subject to adjustment from time to time for Recapitalizations as set forth elsewhere herein).

(n) "**Preferred Stock**" shall mean the Series A Preferred Stock and Series B Preferred Stock.

(o) "**Qualified Offering**" shall mean a firm commitment underwritten initial public offering pursuant to an effective registration statement filed under the Securities Act of 1933, as amended (the "**Securities Act**"), covering the offer and sale of the Corporation's Common Stock, provided that the pre-money valuation of the Corporation is not less than \$150,000,000 and the aggregate gross proceeds to the Corporation is not less than \$20,000,000.

(p) "**Recapitalization**" shall mean any stock dividend, stock split, combination of shares, reorganization, recapitalization, reclassification or other similar event.

2. Dividends.

(a) Preferred Stock. In any calendar year, the holders of outstanding shares of Preferred Stock shall be entitled to receive dividends, when, as and if declared by the Board of Directors, out of any assets at the time legally available therefor, at the Dividend Rate specified for such shares of Preferred Stock payable in preference and priority to any declaration or payment of any Distribution on Common Stock of the Corporation in such calendar year. No Distributions shall be made with respect to the Common Stock until all declared dividends on the Preferred Stock have been paid or set aside for payment to the Preferred Stock holders. Payment of any dividends to the holders of the Preferred Stock shall be on a pro rata, pari passu basis in proportion to the Dividend Rates for each series of Preferred Stock. The right to receive dividends on shares of Preferred Stock shall not be cumulative, and no right to such dividends shall accrue to holders of Preferred Stock by reason of the fact that dividends on said shares are not declared or paid in any calendar year.

(b) Common Stock. Dividends may be paid on the Common Stock when, as and if declared by the Board of Directors, subject to the prior dividend rights of the Preferred Stock and to Section 6 below.

(c) Non-Cash Distributions. Whenever a Distribution provided for in this Section 2 shall be payable in property other than cash, the value of such Distribution shall be deemed to be the fair market value of such property as determined in good faith by the Board of Directors.

(d) Consent to Certain Distributions. As authorized by Section 402.5(c) of the California Corporations Code, if Section 502 or Section 503 of the California Corporations Code is applicable to a payment made by the Corporation, then such applicable section or sections shall not apply if such payment is a payment made by the Corporation in connection with (i) repurchases of Common Stock issued to or held by employees, officers, directors or consultants of the Corporation or its subsidiaries at the same price per share originally paid by such employees, officers, directors or consultants of the Corporation upon termination of their employment or services pursuant to agreements providing for the right of said repurchase, (ii) repurchases of Common Stock issued to or held by employees, officers, directors or consultants of the Corporation or its subsidiaries pursuant to rights of first refusal contained in agreements providing for such right, or (iii) any other repurchase or redemption of capital stock of the Corporation approved by the holders of the Common and Preferred Stock of the Corporation voting as separate classes (including Sanderling and Clarus Approval).

3. Liquidation Rights.

(a) Liquidation Preference. In the event of any liquidation, dissolution or winding up of the Corporation, including a Deemed Liquidation, either voluntary or involuntary, the holders of the Series B Preferred Stock and the Series A Preferred Stock shall be entitled to receive, prior and in preference to any Distribution of any of the assets of the Corporation to the holders of the Common Stock by reason of their ownership of such stock, an amount per share for each share of Series B Preferred Stock or Series A Preferred Stock held by them equal to the sum of (i) the Liquidation Preference specified for such share and (ii) all declared but unpaid dividends (if any) on such share. If upon the liquidation, dissolution or winding up of the Corporation, the assets of the Corporation legally available for distribution to the holders of the Series B Preferred Stock and Series A Preferred Stock are insufficient to permit the payment to such holders of the full amounts specified in this Section 3(a), then the entire assets of the Corporation legally available for distribution shall be distributed with equal priority and pro rata among the holders of the Series B Preferred Stock and Series A Preferred Stock in proportion to the full amounts they would otherwise be entitled to receive pursuant to this Section 3(a).

(b) Remaining Assets. After the payment or setting aside for payment to the holders of Preferred Stock of the full amounts specified in Sections 3(a) above, the entire remaining assets of the Corporation legally available for distribution shall be distributed with equal priority and pro rata among the holders of Series A Preferred Stock, Series B Preferred Stock and Common Stock in proportion to the number of shares of Common Stock held by them, with the shares of Series A Preferred Stock and Series B Preferred Stock being treated for this purpose as if they had been converted to shares of Common Stock at the then applicable Conversion Rate. Notwithstanding the foregoing, the aggregate distributions made pursuant to one or more subsections of this Section 3 with respect to any share of Series A Preferred Stock or Series B Preferred Stock shall not exceed an amount equal to two (2) times the applicable Liquidation Preference for such share, plus any declared but unpaid dividends.

(c) Shares not Treated as Both Preferred Stock and Common Stock in any Distribution. Shares of Preferred Stock shall not be entitled to be converted into shares of Common Stock in order to participate in any Distribution, or series of Distributions, as shares of Common Stock, without first foregoing participation in the Distribution, or series of Distributions, as shares of Preferred Stock.

(d) Valuation of Non-Cash Consideration. If any assets of the Corporation distributed to stockholders in connection with any liquidation, dissolution, or winding up of the Corporation are other than cash, then the value of such assets shall be their fair market value as determined in good faith by the Board of Directors, except that any publicly-traded securities to be distributed to stockholders in a liquidation, dissolution, or winding up of the Corporation shall be valued as follows:

(i) If the securities are then traded on a national securities exchange or a similar national quotation system, then the value of the securities shall be deemed to be the average of the closing prices of the securities on such exchange or system over the ten (10) trading day period ending five (5) trading days prior to the Distribution;

(ii) if the securities are actively traded over-the-counter, then the value of the securities shall be deemed to be the average of the closing bid prices of the securities over the ten (10) trading day period ending five (5) trading days prior to the Distribution.

In the event of a merger or other acquisition of the Corporation by another entity, the Distribution date shall be deemed to be the date such transaction closes.

For the purposes of this Section 3(d), "**trading day**" shall mean any day which the exchange or system on which the securities to be distributed are traded is open and "**closing prices**" or "**closing bid prices**" shall be deemed to be: (i) for securities traded primarily on the New York Stock Exchange, the American Stock Exchange or Nasdaq, the last reported trade price or sale price, as the case may be, at 4:00 p.m., New York time, on that day and (ii) for securities listed or traded on other exchanges, markets and systems, the market price as of the end of the regular hours trading period that is generally accepted as such for such exchange, market or system. If, after the date hereof, the benchmark times generally accepted in the securities industry for determining the market price of a stock as of a given trading day shall change from those set forth above, the fair market value shall be determined as of such other generally accepted benchmark times.

4. Conversion. The holders of the Preferred Stock shall have conversion rights as follows:

(a) Right to Convert. Each share of Preferred Stock shall be convertible, at the option of the holder thereof, at any time after the date of issuance of such share at the office of the Corporation or any transfer agent for the Preferred Stock, into that number of fully-paid, nonassessable shares of Common Stock determined by dividing the Original Issue Price for the relevant series by the Conversion Price for such series. (The number of shares of Common Stock into which each share of Preferred Stock of a series may be converted is hereinafter referred to as the "**Conversion Rate**" for each such series.) Upon any decrease or increase in the Conversion Price

for any series of Preferred Stock, as described in this Section 4, the Conversion Rate for such series shall be appropriately increased or decreased.

(b) Automatic Conversion.

(i) Upon a Qualified Offering. Each share of Preferred Stock shall automatically be converted into fully-paid, non-assessable shares of Common Stock at the then effective Conversion Rate for such share immediately prior to the closing of a Qualified Offering.

(ii) Upon Stockholder Consent.

(1) Each share of Series B Preferred Stock shall automatically be converted into fully-paid, non-assessable shares of Common Stock at the then effective Conversion Rate for such share upon the receipt by the Corporation of a written request for such conversion, or, if later, on the effective date for conversion specified in such request, from the holders of at least 50% of the Series B Preferred Stock then outstanding, including Sanderling and Clarus Approval; provided, however, that if such request is made directly as a result of an Interested Party Transaction, such request must be made by the holders of at least 50% of the Disinterested Series B Preferred Stock then outstanding, and provided, further, that this paragraph of this Amended and Restated Certificate of Incorporation shall not be amended in connection with or in contemplation of an Interested Party Transaction in a manner adverse to the holders of the Disinterested Series B Preferred Stock without the consent of the holders of at least 50% of the Disinterested Series B Preferred Stock then outstanding.

(2) Each share of Series A Preferred Stock shall automatically be converted into fully-paid, non-assessable shares of Common Stock at the then effective Conversion Rate for such share upon the receipt by the Corporation of a written request for such conversion from the holders of at least 66 2/3% of the Series A Preferred Stock then outstanding (on an as if converted to Common Stock basis), or, if later, the effective date for conversion specified in such request.

(iii) Upon Non-Participation in Subsequent Closings. Reference is made to the Purchase Agreement. Unless the holders of at least 50% of the Series B Preferred Stock then outstanding elect otherwise, including Sanderling and Clarus Approval, if a stockholder which is an Investor under and as defined in the Purchase Agreement, after receiving an applicable Milestone Notice pursuant to and as defined in the Purchase Agreement, fails (together with its Affiliated Entities, as defined below) to purchase the full amount of shares of Series B Preferred Stock allocated to such stockholder on Exhibit A of the Purchase Agreement at the Second Closing, the Third Closing or the Fourth Closing under and as defined in the Purchase Agreement, then each share of Series B Preferred Stock held by such stockholder shall automatically be converted into fully-paid, non-assessable shares of Common Stock at the then effective Conversion Rate effective upon such Closing (as defined in the Purchase Agreement). As to any entity, an "Affiliated Entity" shall mean another entity that directly, or indirectly through one or more intermediaries, controls, is controlled by or is under common control with such specified entity. Each of the events referred to in subsections (i), (ii) and (iii) above are referred to herein as an "Automatic Conversion Event."

(c) Mechanics of Conversion. No fractional shares of Common Stock shall be issued upon conversion of Preferred Stock. In lieu of any fractional shares to which the holder would otherwise be entitled, the Corporation shall pay cash equal to such fraction multiplied by the then fair market value of a share of Common Stock as determined by the Board of Directors. For such purpose, all shares of Preferred Stock held by each holder of Preferred Stock shall be aggregated, and any resulting fractional share of Common Stock shall be paid in cash. Before any holder of Preferred Stock shall be entitled to convert the same into full shares of Common Stock, and to receive certificates therefor, he shall either (A) surrender the certificate or certificates therefor, duly endorsed, at the office of the Corporation or of any transfer agent for the Preferred Stock or (B) notify the Corporation or its transfer agent that such certificates have been lost, stolen or destroyed and execute an agreement satisfactory to the Corporation to indemnify the Corporation from any loss incurred by it in connection with such certificates, and shall give written notice to the Corporation at such office that he elects to convert the same; provided, however, that on the date of an Automatic Conversion Event, the applicable outstanding shares of Preferred Stock shall be converted automatically without any further action by the holders of such shares and whether or not the certificates representing such shares are surrendered to the Corporation or its transfer agent; provided further, however, that the Corporation shall not be obligated to issue certificates evidencing the shares of Common Stock issuable upon such Automatic Conversion Event unless either the certificates evidencing such shares of Preferred Stock are delivered to the Corporation or its transfer agent as provided above, or the holder notifies the Corporation or its transfer agent that such certificates have been lost, stolen or destroyed and executes an agreement satisfactory to the Corporation to indemnify the Corporation from any loss incurred by it in connection with such certificates. On the date of the occurrence of an Automatic Conversion Event, each holder of record of shares of the applicable Preferred Stock shall be deemed to be the holder of record of the Common Stock issuable upon such conversion, notwithstanding that the certificates representing such shares of Preferred Stock shall not have been surrendered at the office of the Corporation, that notice from the Corporation shall not have been received by any holder of record of shares of such Preferred Stock, or that the certificates evidencing such shares of Common Stock shall not then be actually delivered to such holder.

The Corporation shall, as soon as practicable after such delivery, or after such agreement and indemnification, issue and deliver at such office to such holder of Preferred Stock, a certificate or certificates for the number of shares of Common Stock to which it shall be entitled as aforesaid and a check payable to the holder in the amount of any cash amounts payable as the result of a conversion into fractional shares of Common Stock, plus any declared and unpaid dividends on the converted Preferred Stock. Such conversion shall be deemed to have been made immediately prior to the close of business on the date of such surrender of the shares of Preferred Stock to be converted, and the person or persons entitled to receive the shares of Common Stock issuable upon such conversion shall be treated for all purposes as the record holder or holders of such shares of Common Stock on such date; provided, however, that if the conversion is in connection with an underwritten offer of securities registered pursuant to the Securities Act or a merger, sale, financing, or liquidation of the Corporation or other event, the conversion may, at the option of any holder tendering Preferred Stock for conversion, be conditioned upon the closing of such transaction or upon the occurrence of such event, in which case the person(s) entitled to receive the Common Stock issuable upon such conversion of the Preferred Stock shall not be deemed to have converted such Preferred Stock until immediately prior to the closing of such transaction or the occurrence of such event.

(d) Adjustments to Conversion Price for Diluting Issues.

(i) Special Definition. For purposes of this Section 4(d), "Additional Shares of Common" shall mean all shares of Common Stock issued (or, pursuant to Section 4(d)(iii), deemed to be issued) by the Corporation after the filing of this Amended and Restated Certificate of Incorporation, other than issuances or deemed issuances of:

(1) shares of Common Stock issuable upon conversion of shares of Preferred Stock;

(2) shares of Common Stock issued or issuable to officers, directors and employees of, or consultants to, the Corporation pursuant to stock grants, option plans, purchase plans or other employee stock incentive programs or arrangements approved by the Board of Directors including all the Preferred Stock Directors (as defined in Section 5(d) below), or upon exercise of options or warrants granted to such parties pursuant to any such plan or arrangement;

(3) shares of Common Stock issued upon the exercise or conversion of Options or Convertible Securities outstanding as of the date of the filing of this Amended and Restated Certificate of Incorporation;

(4) shares of Common Stock issued or issuable as a dividend or distribution on Preferred Stock or pursuant to any event for which adjustment is made pursuant to paragraph 4(e), 4(f) or 4(g) hereof;

(5) shares of Common Stock issued or issuable to banks, equipment lessors or other financial institutions pursuant to a debt financing, equipment leasing or real property leasing transaction approved by the Board of Directors, including all of the Preferred Stock Directors;

(6) shares of Common Stock issued or issuable pursuant to the acquisition of another company by the Corporation by merger, purchase of all or substantially all of the assets or other reorganization approved by the Board of Directors, including all of the Preferred Stock Directors; and

(7) shares of Series B Preferred Stock issued or issuable pursuant to the Purchase Agreement.

(ii) No Adjustment of Conversion Price. No adjustment in the Conversion Price of a particular series of Preferred Stock shall be made in respect of the issuance of Additional Shares of Common unless the consideration per share (as determined pursuant to paragraph 4(d)(v)) for an Additional Share of Common issued or deemed to be issued by the Corporation is less than the Conversion Price in effect on the date of, and immediately prior to such issue, for such series of Preferred Stock.

(iii) Deemed Issue of Additional Shares of Common. In the event the Corporation at any time or from time to time after the date of the filing of this Amended and

Restated Certificate of Incorporation shall issue any Options or Convertible Securities or shall fix a record date for the determination of holders of any class of securities entitled to receive any such Options or Convertible Securities, then the maximum number of shares (as set forth in the instrument relating thereto without regard to any provisions contained therein for a subsequent adjustment of such number) of Common Stock issuable upon the exercise of such Options or, in the case of Convertible Securities, the conversion or exchange of such Convertible Securities or, in the case of Options for Convertible Securities, the exercise of such Options and the conversion or exchange of the underlying securities, shall be deemed to have been issued as of the time of such issue or, in case such a record date shall have been fixed, as of the close of business on such record date, provided that in any such case in which shares are deemed to be issued:

(1) no further adjustment in the Conversion Price of any series of Preferred Stock shall be made upon the subsequent issue of Convertible Securities or shares of Common Stock in connection with the exercise of such Options or conversion or exchange of such Convertible Securities;

(2) if such Options or Convertible Securities by their terms provide, with the passage of time or otherwise, for any change in the consideration payable to the Corporation or in the number of shares of Common Stock issuable upon the exercise, conversion or exchange thereof (other than a change pursuant to the anti-dilution provisions of such Options or Convertible Securities such as this Section 4(d) or pursuant to Recapitalization provisions of such Options or Convertible Securities such as Sections 4(e), 4(f) and 4(g) hereof), the Conversion Price of each series of Preferred Stock and any subsequent adjustments based thereon shall be recomputed to reflect such change as if such change had been in effect as of the original issue thereof (or upon the occurrence of the record date with respect thereto);

(3) no readjustment pursuant to subsection (2) above shall have the effect of increasing the Conversion Price of a series of Preferred Stock to an amount above the Conversion Price that would have resulted from any other issuances of Additional Shares of Common and any other adjustments provided for herein between the original adjustment date and such readjustment date;

(4) upon the expiration of any such Options or any rights of conversion or exchange under such Convertible Securities which shall not have been exercised, the Conversion Price of each Series of Preferred Stock computed upon the original issue thereof (or upon the occurrence of a record date with respect thereto) and any subsequent adjustments based thereon shall, upon such expiration, be recomputed as if:

(a) in the case of Convertible Securities or Options for Common Stock, the only Additional Shares of Common issued were the shares of Common Stock, if any, actually issued upon the exercise of such Options or the conversion or exchange of such Convertible Securities and the consideration received therefor was the consideration actually received by the Corporation for the issue of such exercised Options plus the consideration actually received by the Corporation upon such exercise or for the issue of all such Convertible Securities which were actually converted or exchanged, plus the additional consideration, if any, actually received by the Corporation upon such conversion or exchange, and

(b) in the case of Options for Convertible Securities, only the Convertible Securities, if any, actually issued upon the exercise thereof were issued at the time of issue of such Options, and the consideration received by the Corporation for the Additional Shares of Common deemed to have been then issued was the consideration actually received by the Corporation for the issue of such exercised Options, plus the consideration deemed to have been received by the Corporation (determined pursuant to Section 4(d)(v)) upon the issue of the Convertible Securities with respect to which such Options were actually exercised; and

(5) if such record date shall have been fixed and such Options or Convertible Securities are not issued on the date fixed therefor, the adjustment previously made in the Conversion Price which became effective on such record date shall be canceled as of the close of business on such record date, and thereafter the Conversion Price shall be adjusted pursuant to this Section 4(d)(iii) as of the actual date of their issuance.

(iv) Adjustment of Conversion Price Upon Issuance of Additional Shares of Common. In the event the Corporation shall issue Additional Shares of Common (including Additional Shares of Common deemed to be issued pursuant to paragraph 4(d)(iii)) without consideration or for a consideration per share less than the applicable Conversion Price of a series of Preferred Stock in effect on the date of and immediately prior to such issue, the Conversion Price of the affected series of Preferred Stock shall be reduced, concurrently with such issue, to a price (calculated to the nearest cent) determined by multiplying such Conversion Price by a fraction, the numerator of which shall be the number of shares of Common Stock outstanding immediately prior to such issue plus the number of shares which the aggregate consideration received by the Corporation for the total number of Additional Shares of Common so issued would purchase at such Conversion Price, and the denominator of which shall be the number of shares of Common Stock outstanding immediately prior to such issue plus the number of such Additional Shares of Common so issued. Notwithstanding the foregoing, the Conversion Price shall not be reduced at such time if the amount of such reduction would be less than \$0.01, but any such amount shall be carried forward, and a reduction will be made with respect to such amount at the time of, and together with, any subsequent reduction which, together with such amount and any other amounts so carried forward, equal \$0.01 or more in the aggregate. For the purposes of adjusting the Conversion Price of a series of Preferred Stock, the grant, issue or sale of Additional Shares of Common consisting of the same class of security and warrants to purchase such security issued or issuable at the same price at two or more closings held within a six-month period shall be aggregated and shall be treated as one sale of Additional Shares of Common occurring on the earliest date on which such securities were granted, issued or sold. For the purposes of this Section 4(d)(iv), all shares of Common Stock issuable upon conversion of all outstanding shares of Preferred Stock and the exercise and/or conversion of any other outstanding Convertible Securities and all outstanding Options shall be deemed to be outstanding.

(v) Determination of Consideration. For purposes of this Section 4(d), the consideration received by the Corporation for the issue (or deemed issue) of any Additional Shares of Common shall be computed as follows:

(1) Cash and Property. Such consideration shall:

(a) insofar as it consists of cash, be computed at the aggregate amount of cash received by the Corporation before deducting any reasonable discounts, commissions or other expenses allowed, paid or incurred by the Corporation for any underwriting or otherwise in connection with such issuance;

(b) insofar as it consists of property other than cash, be computed at the fair market value thereof at the time of such issue, as determined in good faith by the Board of Directors; and

(c) in the event Additional Shares of Common are issued together with other shares or securities or other assets of the Corporation for consideration which covers both, be the portion of such consideration so received which covers the Additional Shares of Common, computed as provided in clauses (a) and (b) above, as reasonably determined in good faith by the Board of Directors.

(2) Options and Convertible Securities. The consideration per share received by the Corporation for Additional Shares of Common deemed to have been issued pursuant to Section 4(d)(iii) shall be determined by dividing

(x) the total amount, if any, received or receivable by the Corporation as consideration for the issue of such Options or Convertible Securities, plus the minimum aggregate amount of additional consideration (as set forth in the instruments relating thereto, without regard to any provision contained therein for a subsequent adjustment of such consideration) payable to the Corporation upon the exercise of such Options or the conversion or exchange of such Convertible Securities, or in the case of Options for Convertible Securities, the exercise of such Options for Convertible Securities and the conversion or exchange of such Convertible Securities by

(y) the maximum number of shares of Common Stock (as set forth in the instruments relating thereto, without regard to any provision contained therein for a subsequent adjustment of such number) issuable upon the exercise of such Options or the conversion or exchange of such Convertible Securities.

(c) Adjustments for Subdivisions or Combinations of Common Stock. In the event the outstanding shares of Common Stock shall be subdivided (by stock split, by payment of a stock dividend or otherwise) into a greater number of shares of Common Stock, the Conversion Price of each series of Preferred Stock in effect immediately prior to such subdivision shall, concurrently with the effectiveness of such subdivision, be proportionately decreased. In the event the outstanding shares of Common Stock shall be combined (by reclassification or otherwise) into a lesser number of shares of Common Stock, the Conversion Prices in effect immediately prior to such combination shall, concurrently with the effectiveness of such combination, be proportionately increased.

(f) Adjustments for Subdivisions or Combinations of Preferred Stock. In the event the outstanding shares of Preferred Stock or a series of Preferred Stock shall be subdivided (by stock split, by payment of a stock dividend or otherwise) into a greater number of shares of Preferred Stock, concurrently with the effectiveness of such subdivision the Dividend Rate and Liquidation

Preference of the affected series of Preferred Stock in effect immediately prior to such subdivision shall be proportionately decreased and the Conversion Price of the affected series of Preferred Stock in effect immediately prior to such subdivision shall be proportionately increased. In the event the outstanding shares of Preferred Stock or a series of Preferred Stock shall be combined (by reclassification or otherwise) into a lesser number of shares of Preferred Stock, concurrently with the effectiveness of such combination the Dividend Rate and Liquidation Preference of the affected series of Preferred Stock in effect immediately prior to such combination shall be proportionately increased and the Conversion Price of the affected series of Preferred Stock in effect immediately prior to such subdivision shall be proportionately decreased.

(g) Adjustments for Reclassification, Exchange and Substitution. Subject to Section 3 above ("Liquidation Rights"), if the Common Stock issuable upon conversion of the Preferred Stock shall be changed into the same or a different number of shares of any other class or classes of stock, whether by capital reorganization, reclassification or otherwise (other than a subdivision or combination of shares provided for above), then, in any such event, in lieu of the number of shares of Common Stock which the holders would otherwise have been entitled to receive, each holder of such Preferred Stock shall have the right thereafter to convert such shares of Preferred Stock into a number of shares of such other class or classes of stock which a holder of the number of shares of Common Stock deliverable upon conversion of such series of Preferred Stock immediately before that change would have been entitled to receive in such reorganization or reclassification, all subject to further adjustment as provided herein with respect to such other shares.

(h) Certificate as to Adjustments. Upon the occurrence of each adjustment or readjustment of a Conversion Price pursuant to this Section 4, the Corporation at its expense shall promptly compute such adjustment or readjustment in accordance with the terms hereof and furnish to each holder of Preferred Stock a certificate setting forth such adjustment or readjustment and showing in detail the facts upon which such adjustment or readjustment is based. The Corporation shall, upon the written request at any time of any holder of Preferred Stock, furnish or cause to be furnished to such holder a like certificate setting forth (i) such adjustments and readjustments, (ii) the Conversion Prices at the time in effect and (iii) the number of shares of Common Stock and the amount, if any, of other property which at the time would be received upon the conversion of Preferred Stock.

(i) Waiver of Adjustment of Conversion Price. Notwithstanding anything herein to the contrary, any downward adjustment of the Conversion Price of any series of Preferred Stock may be waived by the consent or vote of the holders of the majority of the outstanding shares of such series, including, in the case of the Series B Preferred Stock, by Sanderling and Clarus Approval, either before or after the issuance causing the adjustment.

(j) Reservation of Stock Issuable Upon Conversion. The Corporation shall at all times reserve and keep available out of its authorized but unissued shares of Common Stock solely for the purpose of effecting the conversion of the shares of the Preferred Stock, such number of its shares of Common Stock as shall from time to time be sufficient to effect the conversion of all then outstanding shares of the Preferred Stock; and if at any time the number of authorized but unissued shares of Common Stock shall not be sufficient to effect the conversion of all then outstanding shares of the Preferred Stock, the Corporation will take such corporate action as may, in the opinion

of its counsel, be necessary to increase its authorized but unissued shares of Common Stock to such number of shares as shall be sufficient for such purpose.

5. Voting.

(a) Restricted Class Voting. Except as otherwise expressly provided herein or as required by law, the holders of Preferred Stock and the holders of Common Stock shall vote together and not as separate classes.

(b) No Series Voting. Other than as provided herein or required by law, there shall be no series voting.

(c) Preferred Stock. Each holder of Preferred Stock shall be entitled to the number of votes equal to the number of shares of Common Stock into which the shares of Preferred Stock held by such holder could be converted as of the record date. The holders of shares of the Preferred Stock shall be entitled to vote on the approval of the matters as provided in Article V.6 below and on all matters on which the Common Stock shall be entitled to vote, except with respect to the election of one director as provided in Article V.5(d) below. Holders of Preferred Stock shall be entitled to notice of any stockholders' meeting in accordance with the Bylaws of the Corporation. Fractional votes shall not, however, be permitted and any fractional voting rights resulting from the above formula (after aggregating all shares into which shares of Preferred Stock held by each holder could be converted) shall be disregarded.

(d) Election of Directors. The Board of Directors shall consist of seven (7) members. The holders of Series B Preferred Stock, voting as a separate class on as if converted to Common Stock basis, shall be entitled to elect three (3) members (the "Preferred Stock Directors") of the Corporation's Board of Directors at each meeting or pursuant to each consent of the Corporation's stockholders for the election of directors. The holders of Common Stock, voting as a separate class, shall be entitled to elect one (1) member of the Corporation's Board of Directors at each meeting or pursuant to each consent of the Corporation's stockholders for the election of directors. The holders of Common Stock and Preferred Stock, voting together as a single class on an as if converted to Common Stock basis, shall be entitled to elect three (3) members of the Corporation's Board of Directors at each meeting or pursuant to each consent of the Corporation's stockholders for the election of directors. If a vacancy on the Board of Directors is to be filled by the Board of Directors, only directors elected by the same class or classes of stockholders as those who would be entitled to vote to fill such vacancy shall vote to fill such vacancy.

(e) Adjustment in Authorized Common Stock. The number of authorized shares of Common Stock may be increased or decreased (but not below the number of shares of Common Stock then outstanding) by an affirmative vote of the holders of a majority of the stock of the Corporation.

(f) Common Stock. Each holder of shares of Common Stock shall be entitled to one vote for each share thereof held.

6. Amendments and Changes. As long as at least 20% of the shares of Series B Preferred Stock purchased under the Purchase Agreement shall be issued and outstanding (as adjusted for Recapitalizations), the Corporation shall not, either directly or by amendment, merger, consolidation, or otherwise, without first obtaining the approval (by vote or written consent as provided by law) of: (x) the holders at least 50% of the outstanding shares of Series B Preferred Stock (on an as if converted to Common Stock basis) (including Sanderling and Clarus approval); and (y) in the case of Section 6(h) set forth below, or any amendments to Section 6(h), the approval of Index Ventures III (Jersey) LP or its affiliated entities and persons ("**Index Ventures**") for so long as Index Ventures owns at least 10% of the shares of Series B Preferred Stock it purchased under the Purchase Agreement:

(a) amend, alter or repeal any provision of the Certificate of Incorporation or bylaws of the Corporation (including pursuant to a merger) if such action would alter the rights, preferences, privileges or powers of, or restrictions provided for the benefit of, any series of Preferred Stock;

(b) increase the authorized number of shares of Preferred Stock, including any series thereof;

(c) authorize or create (by reclassification, merger or otherwise) any new class or series of shares having rights, preferences or privileges with respect to dividends or payments upon liquidation senior to or on a parity with any series of Preferred Stock or having voting rights other than those granted to the Preferred Stock generally;

(d) enter into any transaction or series of related transactions deemed to be a liquidation, dissolution or winding up of the Corporation pursuant to Section 3 above;

(e) purchase or redeem or pay any dividend on any capital stock prior to the Preferred Stock, other than stock repurchased from former officers, directors and employees of, or consultants to, the Corporation in connection with the cessation of their employment or services, at the lower of fair market value or cost, other than as approved by the Board of Directors including all the Preferred Stock Directors;

(f) create or authorize the creation of any debt security other than equipment leases or bank lines of credit or debt with no equity feature, unless such debt security has received the prior approval of the Board of Directors including all the Preferred Stock Directors;

(g) change the size of the Board of Directors;

(h) enter into any transaction or series of related transactions (other than the transactions contemplated in the Purchase Agreement as at the date hereof) in which the failure of a holder of Series B Preferred Stock to purchase the full amount of shares allocated to such stockholder will result in the automatic or mandatory conversion of such stockholder's shares of Series B Preferred Stock into shares of Common Stock or into shares of the Corporation's capital stock having powers, preferences, or special rights inferior to that of the shares of the Series B Preferred Stock then in existence (a "**Penalty**"); provided, however, that the authorization or

creation of any new class or series of shares having powers, preferences, or special rights senior to or on a parity with the Series B Preferred Stock shall not be deemed a Penalty; or

(i) amend this Section 6.

7. Failure to Meet Major Milestones. If the Corporation does not meet at least one of the Major Milestones by June 30, 2008, and as long as at least 20% of the shares of Series B Preferred Stock purchased under the Purchase Agreement shall be issued and outstanding (as adjusted for Recapitalizations), the Corporation shall not, without first obtaining the approval (by vote or written consent as provided by law) of the holders at least 66% of the outstanding shares of Series B Preferred Stock (on an as if converted to Common Stock basis) including Sanderling and Clarus Approval (and the approval of Index Ventures, for so long as Index Ventures owns at least 10% of the shares of Series B Preferred Stock it purchased under the Purchase Agreement), (A) enter into any transaction or series of transactions involving: (i) the sale or disposition by the Corporation of all or substantially all of the Corporation's assets; (ii) a merger or consolidation of the Corporation with any other entity, (iii) an increase in the authorized number of shares of Preferred Stock; or (iv) the authorization or creation of any new class or series of shares having rights, preferences or privileges with respect to dividends or payments upon liquidation senior to or on a parity with any series of Preferred Stock or having voting rights other than those granted to the Preferred Stock generally, or (B) amend or waive any provisions of this Section 7, it being understood that this consent to amend or waive is also necessary prior to the satisfaction of at least one Major Milestone.

8. Notices. Any notice required by the provisions of this ARTICLE V to be given to the holders of Preferred Stock shall be deemed given if deposited in the United States mail, postage prepaid, and addressed to each holder of record at such holder's address appearing on the books of the Corporation.

ARTICLE VI

The Corporation is to have perpetual existence.

ARTICLE VII

Elections of directors need not be by written ballot unless a stockholder demands election by written ballot at the meeting and before voting begins or unless the Bylaws of the Corporation shall so provide.

ARTICLE VIII

In furtherance and not in limitation of the powers conferred by statute, the Board of Directors of the Corporation is expressly authorized to make, alter, amend or repeal the Bylaws of the Corporation.

ARTICLE IX

1. To the fullest extent permitted by the General Corporation Law of the State of Delaware as the same exists or as may hereafter be amended, a director of the Corporation shall not

be personally liable to the Corporation or its stockholders for monetary damages for a breach of fiduciary duty as a director.

2. The Corporation may indemnify to the fullest extent permitted by law any person made or threatened to be made a party to an action or proceeding, whether criminal, civil, administrative or investigative, by reason of the fact that he, his testator or intestate is or was a director, officer or employee of the Corporation or any predecessor of the Corporation or serves or served at any other enterprise as a director, officer or employee at the request of the Corporation or any predecessor to the Corporation.

3. Neither any amendment nor repeal of this ARTICLE IX, nor the adoption of any provision of the Corporation's Certificate of Incorporation inconsistent with this ARTICLE IX, shall eliminate or reduce the effect of this ARTICLE IX, in respect of any matter occurring, or any action or proceeding accruing or arising or that, but for this ARTICLE IX, would accrue or arise, prior to such amendment, repeal or adoption of an inconsistent provision.

ARTICLE X

Meetings of stockholders may be held within or without the State of Delaware, as the Bylaws may provide. The books of the Corporation may be kept (subject to any provision contained in the statutes) outside of the State of Delaware at such place or places as may be designated from time to time by the Board of Directors or in the Bylaws of the Corporation.