

SPECTRUM PHARMACEUTICALS INC

Form S-3

May 21, 2004

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As filed with the Securities and Exchange Commission on May 21, 2004

Registration No. 333-_____

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

**FORM S-3
REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933**

SPECTRUM PHARMACEUTICALS, INC.
(Exact Name of Registrant as Specified in Its Charter)

Delaware
(State or Other Jurisdiction of
Incorporation or Organization)

93-079187
(I.R.S. Employer
Identification No.)

**157 Technology Drive
Irvine, California 92618
(949) 788-6700**

(Address, Including Zip Code and Telephone Number, Including Area Code, of Registrant's Principal Executive Offices)

**Rajesh C. Shrotriya, M.D.
Chief Executive Officer
157 Technology Drive
Irvine, California 92618
(949) 788-6700**

(Name, Address, Including Zip Code and Telephone Number, Including Area Code, of Agent for Service)

Copies to:

Alan W. Pettis, Esq.
Latham & Watkins LLP
650 Town Center Drive, Twentieth Floor
Costa Mesa, California 92626
(714) 540-1235

Approximate date of commencement of proposed sale to the public: As soon as practical after this Registration Statement becomes effective.

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

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box. [X]

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

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

If delivery of the prospectus is expected to be made pursuant to Rule 434, please check the following box. []

CALCULATION OF REGISTRATION FEE

| Title of each class of securities to be registered | Amount to be registered(1) | Proposed maximum offering price per unit | Proposed maximum aggregate offering price | Amount of registration fee |
|---|----------------------------------|---|---|----------------------------------|
| Common Stock | 3,220,005 shares | \$ 6.75(2) | \$21,735,033.75 | \$2,753.83 |
| Common Stock issuable upon exercise of Warrants | 1,127,005 shares | \$ 10.00(4) | \$ 11,270,050 | \$1,427.92 |
| Common Stock issuable upon exercise of Warrants | 130,000 shares | \$ 6.75(3) | \$ 877,500 | \$ 111.18 |
| Common Stock issuable upon exercise of Warrants | 25,000 shares | \$ 11.50(4) | \$ 287,500 | \$ 36.43 |
| Total | 4,502,010 shares | | \$34,170,053.75 | \$4,329.36 |

- (1) In the event of a stock split, stock dividend, or similar transaction involving the Registrant's common stock, in order to prevent dilution, the number of shares registered shall automatically be increased to cover the additional shares in accordance with Rule 416(a) under the Securities Act. Includes associated preferred stock purchase rights under the Company's Rights Agreement dated as of December 13, 2000, as amended. Prior to the occurrence of certain events, the preferred stock purchase rights will not be exercisable or evidenced separately from the Registrant's common stock.
- (2) Estimated solely for the purpose of calculating the amount of the registration fee in accordance with Rule 457(c) under the Securities Act of 1933 based on the average of the high and low sales prices of the Registrant's common stock on the NASDAQ National Market on May 20, 2004.
- (3) Estimated solely for the purpose of calculating the amount of the registration fee in accordance with Rule 457(g) under the Securities Act of 1933 based on the offering price of the Registrant's common stock included in this Registration Statement.
- (4) Estimated solely for the purposes of calculating the amount of the registration fee in accordance with Rule 457(g) under the Securities Act of 1933 based on the exercise price of the warrant.

The Registrant hereby amends this Registration Statement on such date or dates as may be necessary to delay its effective date until the Registrant shall file a further amendment which specifically states that this Registration

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

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Subject to Completion, dated May 21, 2004

INFORMATION CONTAINED HEREIN IS SUBJECT TO COMPLETION OR AMENDMENT. A REGISTRATION STATEMENT RELATING TO THESE SECURITIES HAS BEEN FILED WITH THE SECURITIES AND EXCHANGE COMMISSION. THESE SECURITIES MAY NOT BE SOLD NOR MAY OFFERS TO BUY BE ACCEPTED PRIOR TO THE TIME THE REGISTRATION STATEMENT BECOMES EFFECTIVE. THIS PROSPECTUS SHALL NOT CONSTITUTE AN OFFER TO SELL OR THE SOLICITATION OF AN OFFER TO BUY NOR SHALL THERE BE ANY SALE OF THESE SECURITIES IN ANY STATE IN WHICH SUCH OFFER, SOLICITATION OR SALE WOULD BE UNLAWFUL PRIOR TO REGISTRATION OR QUALIFICATION UNDER THE SECURITIES LAWS OF ANY SUCH STATE.

PROSPECTUS

UP TO 4,502,010 SHARES OF

SPECTRUM PHARMACEUTICALS, INC.

COMMON STOCK

Our common stock is traded on the NASDAQ National Market under the symbol SPPI. On May 20, 2004, the closing price of our common stock was \$6.62.

This prospectus relates to the sale of up to 4,502,010 shares of our common stock by the selling stockholders named in this prospectus. The shares of our common stock and the securities which are exercisable for the shares of our common stock which are being offered by this prospectus were issued to the selling stockholders pursuant to a financing transaction and consulting agreements. See Issuance of Common Stock to Selling Stockholders on page 10. We will not receive any of the proceeds from the sale of these shares.

INVESTING IN OUR COMMON STOCK INVOLVES A HIGH DEGREE OF RISK. SEE RISK FACTORS BEGINNING ON PAGE 1.

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

The date of this prospectus is _____, 2004

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No dealer, salesperson or other individual has been authorized to give any information or to make any representations other than contained or incorporated by reference in this Prospectus, and if given or made, such information or representations must not be relied upon as having been authorized by the Company or any underwriter. This Prospectus does not constitute an offer or solicitation by anyone in any jurisdiction in which such offer or solicitation is not authorized or in which the person making such offer is not qualified to do so or to anyone to whom it is unlawful to make such offer or solicitation. Neither the delivery of this Prospectus nor any sale made hereunder shall, under any circumstance, create any implication that there has not been any change in the affairs of the Company since the date hereof.

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ABOUT SPECTRUM PHARMACEUTICALS, INC.

We are an oncology-focused pharmaceutical company engaged in the business of acquiring, developing and commercializing proprietary drug products which have a primary focus on the treatment of cancer and related disorders as well as generic drug products for various indications.

We have incurred losses in every year of our existence and expect to continue to incur significant operating losses for the next several years. We have never generated revenues from product sales and there is no assurance that revenue from product sales will ever be achieved. There is no assurance that any of our proposed products will ever be successfully developed, receive and maintain required governmental regulatory approvals, become commercially viable or achieve market acceptance.

The pharmaceutical marketplace in which we operate is highly competitive, and includes many large, well-established companies pursuing treatments for the applications we are pursuing. See **Risk Factors** below.

This prospectus relates to the sale of up to 4,502,010 shares of our common stock by the stockholders identified under the heading **Selling Stockholders** below. The securities were issued and sold to the selling stockholders in private placement transactions.

We were incorporated in Colorado in December 1987 and reincorporated in Delaware in June 1997. In December 2002 we changed our name from NeoTherapeutics, Inc. to Spectrum Pharmaceuticals, Inc. Our executive offices are located at 157 Technology Drive, Irvine, California 92618. Our telephone number is (949) 788-6700. Our web site address is www.spectrumpharm.com. Information contained in our web site does not constitute part of this prospectus.

Unless otherwise specified or required by context, references in this prospectus to **we**, **us**, **our** and **Spectrum** refer to Spectrum Pharmaceuticals, Inc. and its subsidiaries on a consolidated basis.

RISK FACTORS

An investment in our common stock involves a high degree of risk. Our business, financial condition, operating results and prospects can be impacted by a number of factors, including, but not limited to those set forth below and elsewhere in this prospectus, any one of which could cause our actual results to differ materially from recent results or from our anticipated future results. As a result, the trading price of our common stock could decline, and you could lose a part or all of your investment. You should consider these risks carefully before deciding to invest in our common stock. Factors that may affect our business, financial condition, operating results, and prospects include:

Our losses will continue to increase as we expand our development efforts, and our efforts may never result in profitability.

Our cumulative losses since our inception in 1987 through March 31, 2004 were in excess of \$150 million, almost all of which consisted of research and development and general and administrative expenses. We lost approximately \$10 million in 2003, \$18 million in 2002 and \$28 million in 2001, and approximately \$2.2 million in the first three months of 2004. We expect to continue to incur losses in the future, particularly as we continue to invest in the development of our oncology drug candidates, and expand the scope of our generics operations. We currently do not sell any products or services and we may never achieve revenues from sales of products or become profitable. Even if we eventually generate revenues from sales, we nevertheless may continue to incur operating losses over the next several years.

Our business does not generate the cash needed to finance our ongoing operations and therefore, we will need to raise additional capital.

Our business does not generate cash from operations needed to finance our ongoing operations. We have relied primarily on raising capital through the sale of our securities, and/or out-licensing our drug candidates and technology, to meet our financial needs. We believe our existing cash and investment securities will allow us to fund our current planned operations; however, over the long-term, we will likely need to continue to raise funds through public or private financings, including equity financings and through other arrangements, to continue operating and growing our business. If we are successful in generating revenues and profits from the sale of generic drugs, we expect to use such resources to help to reduce this reliance on raising funds through the sale of our securities.

We may not be able to raise additional capital on favorable terms, if at all. Accordingly, we may be forced to significantly change our business plans and restructure our operations to conserve cash, which would likely

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involve out-licensing or selling some or all of our intellectual, technological and/or tangible property not presently contemplated and at terms that we believe would not be favorable to us and/or reducing the scope and nature of our currently planned research and drug development activities. An inability to raise additional capital would also impact our ability to expand operations.

Clinical trials may fail to demonstrate the safety and efficacy of our oncology drug candidates, which could prevent or significantly delay obtaining regulatory approval.

Prior to receiving approval to commercialize each of our existing three oncology drug candidates, satraplatin, EOquin and elsamitucin, and any drug candidates we acquire in the future, we must demonstrate with substantial evidence from well-controlled clinical trials, and to the satisfaction of the Food and Drug Administration, or FDA, and other regulatory authorities in the United States and other countries that each of the products is both safe and effective. For each current and future product candidate, we will need to demonstrate the efficacy and monitor its safety throughout the process. All of our drug candidates are in various stages of clinical trials. If these trials are unsuccessful, our business and reputation would be harmed and our stock price would be adversely affected.

All of our product candidates are prone to the risks of failure inherent in drug development. The results of pre-clinical studies and early-stage clinical trials of our product candidates do not necessarily predict the results of later-stage clinical trials. Later-stage clinical trials may fail to demonstrate that a product candidate is safe and effective despite having progressed through initial clinical testing. Even if we believe the data collected from clinical trials of our drug candidates are promising, such data may not be sufficient to support approval by the FDA or any other United States or foreign regulatory approval. Pre-clinical and clinical data can be interpreted in different ways. Accordingly, FDA officials could interpret such data in different ways than we or our partners do, which could delay, limit or prevent regulatory approval. The FDA, other regulatory authorities, our Institutional Review Boards (IRBs), our contract research organization, or we may suspend or terminate our clinical trials for our drug candidates. Any failure or significant delay in completing clinical trials for our product candidates, or in receiving regulatory approval for the sale of any drugs resulting from our drug candidates, may severely harm our business and reputation. Even if we receive FDA and other regulatory approvals, our product candidates may later exhibit adverse effects that may limit or prevent their widespread use, may cause FDA to revoke, suspend or limit their approval, or may force us to withdraw products derived from those candidates from the market.

Our oncology drug candidates may not be more effective, safer or more cost efficient than competing drugs and otherwise may not have any competitive advantage.

Oncology drugs produced by other companies are currently on the market for each cancer type we are pursuing. Even if one or more of our oncology drug candidates ultimately received FDA approval, we cannot provide any assurance that our drug candidates will have better efficacy in treating the target indication than a competing drug, have a more favorable side-effect profile than a competing drug, be more cost efficient to manufacture or apply, or otherwise demonstrate a competitive advantage over competing therapies. Accordingly, even if FDA approval is obtained for one or more of our drug candidates, we can provide no assurance that it will gain acceptance by the medical field or become commercially successful.

The development of our lead drug candidate, satraplatin, depends on the efforts of a third party.

In September 2002, we entered into a co-development and license agreement with GPC Biotech AG for the development and commercialization of our lead drug candidate, satraplatin. GPC Biotech has agreed to fully fund development and commercialization expenses for satraplatin. We will not have control over the drug development process and therefore, the success of our lead drug candidate will depend upon the efforts of GPC Biotech. There is no assurance that GPC Biotech will be successful in the clinical development of the drug, the achievement of any

milestones such as the acceptance of a New Drug Application, or an NDA, filing by the FDA or the eventual commercialization of satraplatin.

Our efforts to acquire or in-license and develop additional oncology drug candidates may fail.

The long-term success of our Oncology Strategy depends in part on obtaining clinical stage drug candidates in addition to our existing portfolio of satraplatin, EOquin and elsamitrucin. We are actively seeking to acquire, or

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in-license, additional clinical stage oncology drug candidates. We can give no assurance, however, that we will be successful in locating and acquiring, or in-licensing, additional desirable drug candidates on acceptable terms.

Price and other competitive pressures may make the marketing and sale of our generic drugs not commercially feasible and not profitable.

We have not yet successfully obtained regulatory approval of any of our generic drug candidates and cannot guarantee that we will ever have regulatory approval. Even if we obtain regulatory approval to market one or more generic drug products in the United States, we cannot provide any assurance that we will be able to complete a transfer price arrangement with the manufacturer of the drug product that will allow us to market the drug(s) in the United States on terms favorable to us, or at all. In addition, the generic drug market in the United States is extremely competitive, characterized by many participants and constant downward price pressure on generic drug products. Consequently, margins are continually reduced and it is necessary to continually introduce new products to achieve and maintain profitability.

If we obtain regulatory approval to market one or more generic drug products in the United States, then we may face opposition from the producers of the branded versions of these drugs. Branded pharmaceutical companies have aggressively sought to prevent generic competition, including the extensive use of litigation.

In addition, many branded pharmaceutical companies increasingly have used state and federal legislative and regulatory means to delay generic competition. These efforts have included:

- pursuing new patents for existing products which may be granted just before the expiration of one patent, which could extend patent protection for a number of years or otherwise delay the launch of generics;

- using the Citizen Petition process to request amendments to FDA standards;

- seeking changes to the United States Pharmacopoeia, an organization which publishes industry recognized compendia of drug standards; and

- attaching patent extension amendments to non-related federal legislation.

In addition, some branded pharmaceutical companies have engaged in state-by-state initiatives to enact legislation that restricts the substitution of some generic drugs. Some of these initiatives could have an impact on products that we will seek to introduce into the United States. We have limited resources, and may not be able to effectively respond to these or other measures that may be taken by pharmaceutical companies that produce the branded version of our generic products.

We are a small company relative to our principal competitors and our limited financial resources may limit our ability to develop and market our oncology drug candidates and our generic strategy drug products.

Many companies, both public and private, including well-known pharmaceutical companies and smaller niche-focused companies, are developing products to treat all of the diseases we are pursuing, or distribute generic drug products directly competitive to the generic drugs we intend to market and distribute. Many of these companies have substantially greater financial, research and development, manufacturing, marketing and sales experience and resources than us. As a result, our competitors may be more successful than us in developing their products, obtaining regulatory approvals and marketing their products to consumers.

Our oncology strategy competitors that have products on the market or in research and development that are in the same clinical focus as us include Astra Zeneca, Amgen, Inc., Bayer AG, Eli Lilly and Co., Novartis Pharmaceuticals Corporation, Bristol-Myers Squibb Company, Glaxo SmithKline, Biogen-IDEC Pharmaceuticals, Inc., Guilford Pharmaceuticals, Inc., Cephalon, Inc., Aventis Pharmaceuticals Inc., Pfizer, Inc., AVI Biopharma, Inc., Chiron Corp., Corixa Corp., Genta Inc., Imclone Systems Incorporated, MGI Pharma, Inc., and SuperGen, Inc., among others. Many of our competitors are large and well capitalized companies such as Eli Lilly and Co. and Bristol-Myers Squibb focusing on a wide range of diseases and drug indications, and have substantially greater financial, research and development, human and other resources than we do. Furthermore, large pharmaceutical

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companies have significantly more experience than we do in pre-clinical testing, human clinical trials and regulatory approval procedures, among other things.

Technologies under development by these and other pharmaceutical companies could result in treatments for diseases and disorders for which we are developing our own treatments. Several other companies are engaged in research and development of compounds that are similar to our research. In the event that one or more of these programs is successful, the market for some of our drug candidates could be reduced or eliminated.

Companies that have a significant generic presence include American Pharmaceutical Partners, Bedford Laboratories, Barr Laboratories, Sicor, Inc., Teva Pharmaceuticals and Watson Pharmaceuticals, Inc.

We may not be successful in establishing additional generic drug supply relationships.

Long-term success of our generic drug strategy depends in part on our ability to expand and enhance our existing relationships and establish new relationships for supplying generic drug products. We do not presently intend to focus our research and development efforts on developing active pharmaceutical ingredients or the dosage form for generic drugs. In addition, we currently have no capacity to manufacture generic drug products and do not intend to spend our capital resources to develop the capacity to do so. Therefore, we must rely on relationships with other companies to supply our generic drug products. We cannot provide any assurance that we will be successful in expanding or enhancing our existing relationships or in securing new relationships. If we fail to expand our existing relationships or secure new relationships, our ability to expand our generic drug business will be harmed.

We may not be successful in expanding our generic drug distribution capabilities in the United States.

Many of our competitors have substantial, established direct and indirect distribution channels. We have not yet undertaken the marketing and distribution of a generic drug product and we currently have no direct sales and marketing organization and our limited sales and marketing resources are devoted to establishing and enhancing our third party distribution relationships. The long-term success of our generic drug strategy depends in part on our ability to enlarge and enhance our generic drug distribution capability in the U.S. We cannot provide any assurance that we will be successful in expanding or enhancing our existing distribution channel relationships, establishing new, additional distribution channel relationships or establishing a direct generic drug marketing capability sufficient to effectively and successfully compete.

If a generic drug product is approved by the FDA, our supply of the generic drug product will be dependent upon the production capabilities of our supply sources.

We have no internal manufacturing capacity for our drug product candidates, and therefore, we will be dependent on our manufacturing partners for our supply of products. Most of these manufacturing facilities are located outside the United States. The manufacture of certain generic drug products, including the acquisition of compounds used in the manufacture of the finished generic drug product, may require considerable lead times. Further, sales of a new generic drug product may be difficult to forecast. Also, we will have little or no control over the production process. Accordingly, there could arise circumstances in which market demand for a particular generic product could outstrip the ability of our supply source to timely manufacture and deliver the product, thereby causing us to lose sales.

Reliance on a third-party manufacturer entails risks to which we would not be subject if we manufactured products ourselves, including reliance on the third party for regulatory compliance and adhering to FDA's current Good Manufacturing Practices or cGMP requirements, the possible breach of the manufacturing agreement by the third party because of factors beyond our control and the possibility of termination or nonrenewal of the agreement by the third party, based on its own business priorities, at a time that is costly or inconvenient for us. Before we can

obtain marketing approval for our product candidates, our manufacturing facilities must pass an FDA pre-approval inspection. In order to obtain approval, all of the facility's manufacturing methods, equipment and processes must comply with cGMP requirements. The cGMP requirements govern all areas of record keeping, production processes and controls, personnel and quality control. Failure of our third party manufacturers or us to comply with applicable regulations, including but not limited to an FDA pre-approval inspection and cGMP requirements, could result in sanctions being imposed on us, including fines, injunctions, civil penalties, failure of regulatory authorities to grant

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marketing approval of our products, delay, suspension or withdrawal of approvals, license revocation, seizures or recalls of product, operation restrictions and criminal prosecutions, any of which could significantly and adversely affect our business.

We are dependent on third parties for clinical testing, manufacturing and marketing our proposed products.

We may not conduct clinical trials ourselves, and we will not manufacture any of our proposed products for commercial sale nor do we have the resources necessary to do so. In addition, we do not have the capability to market our drug products ourselves. We intend to contract with larger pharmaceutical companies or contract research organizations to conduct such activities. In connection with our efforts to secure corporate partners, we may seek to retain certain co-marketing rights to certain of our drug candidates, so that we may promote our products to selected medical specialists while our corporate partner promotes these products to the medical market generally. We cannot be certain that we will be able to enter into any partnering arrangements on this or any other basis. If we are not able to secure adequate partnering arrangements, we will have to hire additional employees or consultants with expertise in marketing, since our current employees have no experience in these areas. We cannot be certain that sufficient employees with relevant skills will be available to us. Any increase in the number of our employees would increase our expense level, and could have an adverse effect on our financial position.

In addition, we cannot be certain that we, or our potential corporate partners, can successfully introduce our proposed products or that such proposed products will achieve acceptance by patients, health care providers and insurance companies. Further, it is possible that we may not be able to secure arrangements to manufacture and market our proposed products at prices that would permit us to make a profit. To the extent that clinical trials are conducted by corporate partners, we may not be able to control the design and conduct of these clinical trials.

Our limited experience at managing and conducting clinical trials ourselves may delay the trials and increase our costs.

We may manage and conduct some future clinical trials ourselves rather than hiring outside clinical trial contractors. While some of our management has had experience at conducting clinical trials, we have limited experience in doing so as a company. If we move forward with self-conducted clinical trials, our limited experience may delay the completion of our clinical trials and increase our costs.

Rapid technological advancement may render our drug candidates obsolete.

The pharmaceutical industry is characterized by rapidly evolving technology. We cannot provide any assurance that a competitor may not develop a new technology, product or therapy that has better efficacy, a more favorable side-effect profile or is more cost effective than one or more of our drug candidates or generic products and thereby cause our drug candidate or generic product to become commercially obsolete.

Competition for patients in conducting clinical trials may prevent or delay product development and strain our limited financial resources.

Many pharmaceutical companies are conducting clinical trials in patients with the cancer types that our drug candidates target. As a result, we must compete with them for clinical sites, physicians and the limited number of patients who fulfill the stringent requirements for participation in clinical trials. Also, due to the confidential nature of clinical trials, we cannot be certain how many of the eligible cancer patients may be enrolled in competing studies and consequently not available to us. Our clinical trials may be delayed or terminated due to the inability to enroll enough patients to complete our clinical trials. Patient enrollment depends on many factors, including the size of the patient population, the nature of the trial protocol, the proximity of patients to clinical sites and the eligibility criteria for the

study. The delay or inability to meet planned patient enrollment may result in increased costs and delays or termination of the trial, which could have a harmful effect on our ability to develop products.

We may not be successful in obtaining regulatory approval to market and sell any of our oncology or generic drugs.

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Before our drug candidates can be marketed and sold, regulatory approval must be obtained from the FDA and comparable foreign regulatory agencies. We must demonstrate to FDA and other regulatory authorities in the United States and abroad that our product candidates satisfy rigorous standards of safety and efficacy. We will need to conduct significant additional research, pre-clinical testing and clinical testing, before we can file applications with the FDA for approval of our product candidates. The process of obtaining FDA and other regulatory approvals is time consuming, expensive, and difficult to design and implement. The review and approval, or denial, process for an application can take years. We can give no assurance that the FDA, and comparable foreign regulatory agencies, will timely, or ever, approve an application. Among the many possibilities, the FDA may require substantial additional testing or clinical trials or find our drug candidate is not sufficiently safe or effective in treating the targeted disease. This could result in the denial or delay of product approval. Our product development costs will increase if we experience delays in testing or approvals. Further, we cannot provide any assurance that a competitor may not develop a competing drug or therapy that impairs or eliminates the commercial feasibility of our drug candidates.

In order to obtain approval for our generic drug candidates, we will need to scientifically demonstrate that our drug product is safe and bioequivalent to the innovator drug. Bioequivalency may be demonstrated by comparing the generic drug candidate to the innovator drug product in dosage form, strength, route of administration, quality, performance characteristics and intended use. We plan to use our management's experience with the regulatory approval process in the United States to prepare, file and prosecute appropriate Abbreviated New Drug Applications, or ANDAs, for our current and future generic drug candidates. During 2003 we filed three ANDAs for ciprofloxacin, carboplatin and fluconazole. We intend to file additional ANDAs during 2004 and beyond. We cannot provide any assurance that the FDA will agree that our safety and bioequivalency studies provide sufficient support for approval. This could result in denial or delay of FDA approval of our generic products. Generic drugs generally have a relatively short window in which they can be profitable before other manufacturers introduce competing products that impose downward pressure on prices and reduce market share for other versions of the generic drug. Consequently, delays in obtaining FDA approval may also significantly impair our ability to compete.

Our failure to comply with extensive governmental regulation that we are subject to may significantly affect our operations.

The FDA and comparable agencies in foreign countries impose many requirements on the introduction of new drugs through lengthy and detailed clinical testing and data collection procedures, and other costly and time consuming compliance procedures. These requirements apply to every stage of the clinical trial process and make it difficult to estimate when any of our drug candidates will be available commercially, if at all. While we believe that we are currently in compliance with applicable FDA regulations, if we, our partners, or contract research organizations fail to comply with the regulations applicable to our clinical testing, the FDA may delay, suspend or cancel our clinical trials, or the FDA might not accept the test results. The FDA, an IRB, our third-party investigators, any comparable regulatory agency in another country or we may suspend clinical trials at any time if the trials expose subjects participating in such trials to unacceptable health risks. Further, human clinical testing may not show any current or future product candidate to be safe and effective to the satisfaction of the FDA or comparable regulatory agencies or the data derived from the clinical tests may be unsuitable for submission to the FDA or other regulatory agencies.

Once we submit a drug candidate for commercial sale approval, the FDA or other regulatory agencies may not issue their approvals on a timely basis, if at all. If we are delayed or fail to obtain these approvals, our business and prospects may be significantly damaged. Even if we obtain regulatory approval for our product candidates, we, our partners, our manufacturers, and other contract entities will continue to be subject to extensive requirements by a number of national, foreign, state and local agencies. These regulations will impact many aspects of our operations, including testing, research and development, manufacturing, safety, effectiveness, labeling, storage, quality control, adverse event reporting, record keeping, approval, advertising and promotion of our future products. Failure to comply

with applicable regulatory requirements could, among other things, result in:

finer;

changes in advertising;

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- revocation or suspension of regulatory approvals of products;
- product recalls or seizures;
- delays, interruption, or suspension of product distribution, marketing and sale;
- civil or criminal sanctions; and
- refusals to approve new products.

The later discovery of previously unknown problems with our products may result in restrictions of the product candidate, including withdrawal from manufacture. In addition, the FDA may revisit and change its prior determinations with regard to the safety and efficacy of our future products. If the FDA's position changes, we may be required to change our labeling or to cease manufacture and marketing of the challenged products. Even prior to any formal regulatory action, we could voluntarily decide to cease the distribution and sale or recall any of our future products if concerns about their safety or effectiveness develop.

In their regulation of advertising, the FDA and the Federal Trade Commission from time to time issue correspondence alleging that some advertising or promotional practices are false, misleading or deceptive. The FDA has the power to impose a wide array of sanctions on companies for such advertising practices, and the receipt of correspondence from the FDA alleging these practices could result in any of the following:

- incurring substantial expenses, including fines, penalties, legal fees and costs to comply with the FDA's requirements;
- changes in the methods of marketing and selling products;
- taking FDA-mandated corrective action, which may include placing advertisements or sending letters to physicians, rescinding previous advertisements or promotions; and
- disruption in the distribution of products and loss of sales until compliance with the FDA's position is obtained.

If we were to become subject to any of the above requirements, it could be damaging to our reputation, and our business condition could be adversely affected.

Physicians may prescribe pharmaceutical products for uses that are not described in a product's labeling or differ from those tested by us and approved by the FDA. While such off-label uses are common and the FDA does not regulate physicians' choice of treatments, the FDA does restrict a manufacturer's communications on the subject of off-label use. Companies cannot actively promote FDA-approved pharmaceutical products for off-label uses, but they may disseminate to physicians articles published in peer-reviewed journals. If our promotional activities fail to comply with the FDA's regulations or guidelines, we may be subject to warnings from, or enforcement action by, the FDA.

Legislative or regulatory reform of the healthcare system may affect our ability to sell our products profitably.

In both the United States and certain foreign jurisdictions, there have been a number of legislative and regulatory proposals to change the healthcare system in ways that could impact upon our ability to sell our products profitably. The FDA's policies may change and additional government regulations may be enacted which could prevent or delay regulatory approval of our product candidates. We cannot predict the likelihood, nature or extent of adverse

government regulation that may arise from future legislation or administrative action, either in the United States or abroad. If we are not able to maintain regulatory compliance, we might not be permitted to market our products and our business could suffer.

Intellectual property rights are complex and uncertain and therefore may subject us to infringement claims.

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The patent positions related to our drug portfolio candidates that we have in-licensed from third parties and those related to our generic drug candidate portfolio are inherently uncertain and involve complex legal and factual issues. Although we are not aware of any infringement by any of our drug candidates on the rights of any third party, there may be third party patents or other intellectual property rights relevant to our drug candidates of which we are not aware. Third parties may assert patent or other intellectual property infringement claims against us with respect to our drug candidates or our generic drug products. This could draw us into costly litigation as well as result in the loss of our use of the intellectual property that is critical to our business strategy.

Intellectual property litigation is increasingly common and increasingly expensive.

Patent and other intellectual property litigation is becoming more common in the pharmaceutical industry. Litigation is sometimes necessary to defend against or assert claims of infringement, to enforce our patent rights, to protect trade secrets or to determine the scope and validity of proprietary rights of third parties. No third party has asserted that we are infringing upon their patent rights or other intellectual property, nor are we aware that we are infringing upon any third party's patent rights or other intellectual property. We may, however, be infringing upon a third party's patent rights or other intellectual property, and litigation asserting such claims might be initiated in which we would not prevail or we would not be able to obtain the necessary licenses on reasonable terms, if at all. All such litigation, whether meritorious or not, as well as litigation initiated by us against third parties, is time consuming and very expensive to defend or prosecute and to resolve.

If our competitors prepare and file patent applications in the United States that claim technology we also claim, we may have to participate in interference proceedings required by the Patent and Trademark Office to determine priority of invention, which could result in substantial costs, even if we ultimately prevail. Results of interference proceedings are highly unpredictable and may result in us having to try to obtain licenses in order to continue to develop or market certain of our drug candidates.

We also rely on trade secret protection and contractual protections for our un-patented, confidential and proprietary technology. Trade secrets are difficult to protect. While we enter into proprietary information agreements with our employees, consultants and others, these agreements may not successfully protect our trade secrets or other confidential and proprietary information.

We may be subject to product liability claims, and may not have sufficient product liability insurance to cover any such claims, which may expose us to substantial liabilities.

We may be exposed to product liability claims from patients who participate in our clinical trials, or, if we are able to obtain FDA approval for one or more of our potential products, from consumers of our products. Although we currently carry product liability insurance, it is possible that the amounts of this coverage will be insufficient to protect us from future claims.

Further, we cannot be certain that we will be able to maintain our existing insurance or obtain or maintain additional insurance on acceptable terms for our clinical and commercial activities or that such additional insurance would be sufficient to cover any potential product liability claim or recall. Failure to maintain sufficient insurance coverage could have a material adverse effect on our business, prospects and results of operations if claims are made that exceed our coverage.

The loss of key personnel could significantly hinder our growth strategy and might cause our business to fail.

Our success depends upon the contributions of our key management and scientific personnel, especially Dr. Rajesh C. Shrotriya, our Chairman, President and Chief Executive Officer and Dr. Luigi Lenaz, the President of our Oncology division. Dr. Shrotriya has been President since 2000 and Chief Executive Officer since 2002, and has spearheaded the major changes in our business strategy and coordinated structural reorganization. Dr. Lenaz has been President of our Oncology Division since 2000 and has played a key role in the identification and development of our oncology drug candidates. The loss of the services of Dr. Shrotriya, Dr. Lenaz or any other key personnel could delay or preclude us from achieving our business objectives. Dr. Shrotriya has an employment agreement with us that will expire on December 31, 2004, with automatic one-year renewals thereafter unless we, or Dr. Shrotriya, gives notice of intent not to renew at least 90 days in advance of the renewal date. Dr. Lenaz has an employment

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agreement with us that will expire on July 1, 2005, with automatic one year renewals thereafter unless Dr. Lenaz or we give notice of intent not to renew at least 90 days in advance of the renewal date.

We also may need substantial additional expertise in marketing and other areas in order to achieve our business objectives. Competition for qualified personnel among pharmaceutical companies is intense, and the loss of key personnel, or the delay or inability to attract and retain the additional skilled personnel required for the expansion of our business, could significantly damage our business.

There are a substantial number of shares of our common stock eligible for future sale in the public market. The sale of these shares could cause the market price of our common stock to fall. Any future equity issuances by us may have dilutive and other effects on our existing stockholders.

As of May 14, 2004, there were approximately 13 million shares of our common stock outstanding, and in addition, security holders held options, warrants and preferred stock which, if exercised or converted, would obligate us to issue up to approximately 9 million additional shares of common stock. A substantial number of those shares, when we issue them upon conversion or exercise, will be available for immediate resale in the public market. The market price of our common stock could fall as a result of such resales due to the increased number of shares available for sale in the market.

We have financed our operations, and for the foreseeable future we expect to continue to finance a substantial portion of our operating cash requirements, primarily by issuing and selling our common stock or securities convertible into or exercisable for shares of our common stock. Any issuances by us of equity securities may be at or below the prevailing market price of our common stock and may have a dilutive impact on our other stockholders. These issuances would also cause our net income, if any, to decrease or our loss per share to decrease in future periods. As a result, the market price of our common stock could drop.

The market price and volume of our common stock fluctuate significantly and could result in substantial losses for individual investors.

The stock market from time to time experiences significant price and volume fluctuations that are unrelated to the operating performance of particular companies. These broad market fluctuations may cause the market price and volume of our common stock to decrease. In addition, the market price and volume of our common stock is highly volatile. Factors that may cause the market price and volume of our common stock to decrease include fluctuations in our results of operations, timing and announcements of our technological innovations or new products or those of our competitors, FDA and foreign regulatory actions, developments with respect to patents and proprietary rights, public concern as to the safety of products developed by us or others, changes in health care policy in the United States and in foreign countries, changes in stock market analyst recommendations regarding our common stock, the pharmaceutical industry generally and general market conditions. In addition, the market price and volume of our common stock may decrease if our results of operations fail to meet the expectations of stock market analysts and investors. While a decrease in market price could result in direct economic loss for an individual investor, low trading volume could limit an individual investor's ability to sell our common stock, which could result in substantial economic loss as well. During 2003, the price of our common stock ranged between \$1.66 and \$10.37, and the daily trading volume was as high as 3,338,000 shares and as low as 1,300 shares. During 2004, the price of our common stock has ranged between \$6.62 and \$9.97, and the daily trading volume has been as high as 925,400 shares and as low as 53,100 shares.

Certain charter and bylaws provisions and our stockholder rights plan may make it more difficult for someone to acquire control of us or replace current management.

Certain provisions of our Certificate of Incorporation, as amended, and Bylaws may make it more difficult for someone to acquire control of us or replace our current management. These provisions may make it more difficult for stockholders to take certain corporate actions and could delay, discourage or prevent someone from acquiring our business or replacing our current management, even if doing so would benefit our stockholders. These provisions could limit the price that certain investors might be willing to pay for shares of our common stock.

In December 2000, we adopted a Stockholder Rights Plan pursuant to which we distributed rights to purchase units of our Series B Junior Participating Preferred Stock. The rights become exercisable upon the earlier

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of ten days after a person or group of affiliated or associated persons has acquired 20% or more of the outstanding shares of our common stock or ten business days after a tender offer has commenced that would result in a person or group beneficially owning 20% or more of our outstanding common stock. These rights could delay or discourage someone from acquiring our business, even if doing so would benefit our stockholders.

The use of hazardous materials in our research and development efforts imposes certain compliance costs on us and may subject us to liability for claims arising from the use or misuse of these materials.

Our research and development efforts involved and may involve the use of hazardous materials, including biological materials, chemicals and radioactive materials. We are subject to federal, state and local laws and regulations governing the storage, use and disposal of these materials and some waste products. We believe that our safety procedures for the storage, use and disposal of these materials comply with the standards prescribed by federal, state and local regulations. However, we cannot completely eliminate the risk of accidental contamination or injury from these materials. If there were to be an accident, we could be held liable for any damages that result, which could exceed our financial resources. We currently maintain insurance coverage for injuries resulting from the hazardous materials we use, and for pollution clean up and removal, however, future claims may exceed the amount of our coverage. Currently the costs of complying with federal, state and local regulations are not significant, and consist primarily of waste disposal expenses.

FORWARD-LOOKING STATEMENTS

This prospectus and the documents incorporated by reference into this prospectus contain forward-looking statements that are based on current expectations, estimates and projections about our industry, management's beliefs, and assumptions made by management. Words such as anticipates, expects, intends, plans, believes, seeks, and variations of such words and similar expressions are intended to identify such forward-looking statements. These statements are not guarantees of future performance and are subject to certain risks, uncertainties and assumptions that are difficult to predict; therefore, actual results may differ materially from those expressed or forecasted in any forward-looking statements. The risks and uncertainties include those noted in Risk Factors above and in the documents incorporated by reference.

We undertake no obligation to update publicly any forward-looking statements, whether as a result of new information, future events or otherwise, except to the extent that we are required to do so by law. We also may make additional disclosures in our Annual Report on Form 10-K, Quarterly Reports on Form 10-Q and Current Reports on Form 8-K that we may file from time to time with the Securities and Exchange Commission, or SEC. Please also note that we provide a cautionary discussion of risks and uncertainties under the section entitled Risk Factors in our Annual Report on Form 10-K. These are factors that we think could cause our actual results to differ materially from expected results. Other factors besides those listed here could also adversely affect us. This discussion is provided as permitted by the Private Securities Litigation Reform Act of 1995.

ISSUANCE OF COMMON STOCK TO THE SELLING STOCKHOLDERS

On April 21, 2004, we completed a financing pursuant to which we issued to certain of the selling stockholders (i) 3,220,005 shares of our common stock for \$7.75 per share, and (ii) five-year warrants to purchase up to 1,127,005 shares of our common stock at an exercise price of \$10.00, in consideration for cash in the aggregate amount of \$24,955,000. The warrants are not exercisable for one year from the date of issuance. Pursuant to the investor rights agreement which we entered into in connection with the financing, we have filed a registration statement, of which this prospectus forms a part, in order to permit the selling stockholders to resell to the public the shares of common

stock they have or may acquire.

We entered into a financial advisory agreement as of February 26, 2004 with SG Cowen Securities Corporation (or SG Cowen), whereby we agreed, among other fees, to (i) pay SG Cowen a placement fee consisting of cash in an amount equal to 7% of the gross proceeds of the securities sold in a transaction with parties which SG Cowen identified to us, (ii) pay warrants to purchase 1% of the securities sold in the transaction; and (iii) reimburse SG Cowen for reasonable out-of-pocket expenses incurred in connection with the engagement. Pursuant to our agreement with SG Cowen, in connection with the sale of our securities to certain selling stockholders in the

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financing described above, we paid a cash fee of \$750,000 to SG Cowen and SG Cowen agreed to waive its right to receive any warrants.

Also, in connection with the financing, we paid Rodman and Renshaw, Inc. (or Rodman) approximately \$230,000 as a finder's fee in respect of certain investors in the financing who were introduced to us by Rodman.

We may also pay a finder's fee or issue warrants to SCO Financial Group LLC (or SCO) in respect of certain investors in the financing originally introduced to us by SCO. We are currently in negotiations with SCO regarding the amount of this fee and/or warrants and the termination of a financial advisory agreement we entered into with SCO on February 1, 2003. We may be liable for a cash fee of up to 7% of the gross proceeds of the common stock sold in the financing to those certain investors and may have to issue warrants to purchase up to 10% of the number of shares of our common stock sold to such investors. We are not able to determine the amount of the fee and/or warrants at this time.

Also issued on April 21, 2004, we issued a five year warrant to purchase up to 25,000 shares of our common stock, at an exercise price of \$11.50 per share, to Anna Kazanchyan, our investor relations consultant, in consideration of her assistance with the financing. The warrant is not exercisable for one year from the date of issuance.

In addition, we issued a five-year warrant, dated September 17, 2003, to purchase up to 130,000 shares of our common stock, at an exercise price of \$4.90, to John Moore, a consultant to the Company, for his services. The warrant is not exercisable until September 17, 2004.

USE OF PROCEEDS

The proceeds from the sale of the common stock under this prospectus will belong to the selling stockholders. While we will not receive any proceeds from this offering, if the warrants that were issued to the selling stockholders to purchase up to 1,282,005 shares of our common stock are all exercised, we will receive estimated proceeds of \$12 million. If we do receive any proceeds from the exercise of the warrants, we will likely use such proceeds for general corporate purposes.

DILUTION

The net tangible book value of our common stock on March 31, 2004 was approximately \$14.5 million, or approximately \$1.45 per share. Net tangible book value per share represents the amount of our total tangible assets, less our total liabilities and the aggregate liquidation preference of our preferred stock outstanding, divided by the total number of shares of our common stock outstanding. The number of shares of our common stock outstanding may be increased by shares issued upon conversion of preferred stock, payment of dividends, exercise of warrants or exercise of options, and, to the extent warrants and options are exercised for cash, the net tangible book value of our common stock may increase. If all the warrants for which the shares of our common stock that are issuable upon exercise of the warrants which are being offered pursuant to this prospectus were exercised for cash and including the approximately \$25 million raised pursuant to the sale of shares of our common stock that are being offered for resale pursuant to this prospectus (less estimated costs associated with the financing and the warrants), the net tangible book value of our common stock would be approximately \$48.2 million, or approximately \$3.32 per share, excluding the effect of any other transactions occurring after March 31, 2004, other than the original issuance of the common stock included in this registration statement. Since we will not receive any of the proceeds from the sale of common stock under this prospectus, the net tangible book value of our common stock will not be increased as a result of such sales, nor will the number of shares outstanding be affected by such sales. Consequently, there will be no change in net

tangible book value per share of our common stock as a result of any sales made under this prospectus. However, any dilution to new investors will represent the difference between the amount per share paid by purchasers of shares of our common stock in this offering and the net tangible book value per share of our common stock at the time of the purchase.

SELLING STOCKHOLDERS

The selling stockholders may sell up to 4,502,010 shares of our common stock pursuant to this prospectus. The shares of our common stock offered by this prospectus were issued or may be issued to the selling stockholders

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in connection with the financing transaction and a consulting agreement described above under Issuance of Common Stock to the Selling Stockholders. We have no other material relationship with the selling stockholders except for Anna Kazanchyan and John Moore, who both provide investor relations consulting services to us.

The following table sets forth information regarding beneficial ownership of our common stock by the selling stockholders as of May 14, 2004. There were 13,411,053 shares of our common stock outstanding as of May 14, 2004.

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| Name | Shares of Common Stock Beneficially Owned | | Number of Shares of Common Stock Offered Hereby | Shares of Common Stock Beneficially Owned | |
|---|--|------------------|---|---|---------------|
| | Before Offering | | | Following the Offering(3) | |
| | Number(1) | % of Class(2) | | Number | % of Class |
| BayStar Capital II LP(5)(7)(8) | 545,433 | 4.00% | 87,750 | 480,433 | 3.52% |
| Bristol Investment Fund, Ltd.(9) | 83,872 | 0.63% | 113,227 | 0 | 0.00% |
| Cranshire Capital, L.P. (6)(7)(10) | 570,990 | 4.16% | 261,290 | 377,442 | 2.75% |
| C.S.L. Associates L.P.(11) | 40,000 | 0.30% | 54,000 | 0 | 0.00% |
| Galleon Captain s Offshore, Ltd.(12) | 118,350 | 0.88% | 159,773 | 0 | 0.00% |
| Galleon Captain s Partners, L.P.(12) | 31,650 | 0.24% | 42,728 | 0 | 0.00% |
| Galleon Healthcare Offshore, Ltd.(12) | 448,702 | 3.35% | 473,040 | 98,302 | 0.73% |
| Galleon Healthcare Partners, L.P.(12) | 63,400 | 0.47% | 66,960 | 13,800 | 0.10% |
| J.W. Focused Growth Fund, LP(13) | 4,516 | 0.03% | 6,097 | 0 | 0.00% |
| J. Wild Fund, LP(13) | 5,161 | 0.04% | 6,967 | 0 | 0.00% |
| LEBA Investments, LP(14) | 30,000 | 0.22% | 27,000 | 10,000 | 0.07% |
| Mulligan BioCapital AG(15) | 129,032 | 0.96% | 174,193 | 0 | 0.00% |
| North Sound Legacy Fund LLC (4)(5)(6)(7)(16) | 112,458 | 0.83% | 37,125 | 84,958 | 0.63% |
| North Sound Legacy Institutional Fund LLC (4)(5)(6)(7)(16) | 1,340,902 | 9.36% | 534,600 | 944,902 | 6.59% |
| North Sound Legacy International LTD (4)(5)(6)(7)(16) | 1,793,476 | 12.37% | 913,275 | 1,116,976 | 7.71% |
| Off Sands Point, LTD(17) | 101,550 | 0.76% | 84,375 | 39,050 | 0.29% |
| Omicron Master Trust (5)(6)(7)(18) | 842,120 | 5.99% | 261,290 | 648,572 | 4.61% |
| ProMed Offshore Fund, Ltd. (6)(19) | 21,546 | 0.16% | 20,156 | 6,616 | 0.05% |
| ProMed Partners, L.P. (6)(19) | 135,630 | 1.01% | 124,484 | 43,420 | 0.32% |
| ProMed Partners II, L.P.(19) | 41,770 | 0.31% | 34,790 | 16,000 | 0.12% |
| Sands Point Partners, LP(17) | 114,778 | 0.86% | 84,375 | 52,278 | 0.39% |
| Schottenfeld Qualified Associates, LP(20) | 51,612 | 0.38% | 69,676 | 0 | 0.00% |
| SDS Capital Group, SPC, Ltd.(4)(6)(21) | 1,607,644 | 10.95% | 270,000 | 1,407,644 | 9.59% |
| Wheaten HealthCare Partners LP (22) | 25,806 | 0.19% | 34,838 | 0 | 0.00% |
| Xmark Fund, Ltd.(6)(23) | 398,670 | 2.92% | 198,005 | 252,000 | 1.84% |
| Xmark Fund, L.P. (6)(23) | 321,330 | 2.37% | 206,996 | 168,000 | 1.24% |
| Anna Kazanchyan | 0 | 0.00% | 25,000 (24) | 0 | 0.00% |
| John Moore | 0 | 0.00% | 130,000 (24) | 0 | 0.00% |

- 1) The shares of common stock issuable upon exercise of the warrants issued to the selling stockholders (except for John Moore) in connection with the April 21, 2004 financing are not included in the number of shares of common stock beneficially held by such selling stockholders since such warrants are not exercisable until April 21, 2005. The shares of common stock issuable upon exercise of the warrant issued to John Moore on September 17, 2003 are not included in the number of shares of common stock beneficially held since such warrant is not exercisable until September 17, 2004. The selling stockholders (except for Anna Kazanchyan and John Moore) own warrants which provide that the number of shares of our common stock that may be acquired by any holder of the warrants upon exercise of the warrants is limited to the extent necessary to ensure that, following such exercise, the number of shares of our common stock then beneficially owned by such holder and any other persons or entities whose beneficial ownership of common stock would be aggregated with the holder for purposes of the Exchange Act, does not exceed 4.99% of the total number of shares of our common stock then outstanding. This limit may be waived by the holder on not less than 61 days advance notice.
- 2) For the purposes of calculating the percent of class beneficially owned by a holder, shares of common stock which may be issued to that holder within 60 days of May 14, 2004 are deemed to be outstanding.
- 3) Assumes the sale by the selling stockholders of all of the shares of common stock available for resale under this Prospectus.
- 4) This Selling Stockholder owns shares of our Series D 8% Cumulative Convertible Voting Preferred Stock. Pursuant to the terms of the Certificate of Designation for the Series D Preferred Stock, the number of shares of our common stock that may be acquired by any holder of Series D Preferred Stock upon any conversion of the preferred stock or that shall be entitled to voting rights is limited to the extent necessary to ensure that, following such conversion, the number of shares of our common stock then beneficially owned by such holder and any other persons or entities whose beneficial ownership of common stock would be aggregated with the holder for purposes of the Securities and Exchange Act of 1934, as amended, does not exceed 4.95% of the total number of shares of our common stock then outstanding.
- 5) This Selling Stockholder owns shares of our Series E Preferred Stock. Pursuant to the terms of the Certificate of Designation of the Series E Preferred Stock, the number of shares of our common stock that may be acquired by any holder of our Series E Preferred

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Stock upon any conversion of the Series E Preferred Stock or that shall be entitled to voting rights is limited to the extent necessary to ensure that, following such conversion, the number of shares of our common stock then beneficially owned by such holder and any other persons or entities whose beneficial ownership of common stock would be aggregated with the holder's for purposes of the Exchange Act, does not exceed 4.95% of the total number of shares of our common stock then outstanding.

- 6) This Selling Stockholder owns warrants which provide that the number of shares of our common stock that may be acquired by any holder of the warrants upon exercise of the warrants is limited to the extent necessary to ensure that, following such exercise, the number of shares of our common stock then beneficially owned by such holder and any other persons or entities whose beneficial ownership of common stock would be aggregated with the holder's for purposes of the Exchange Act, does not exceed 4.95% of the total number of shares of our common stock then outstanding.
- 7) This Selling Stockholder owns warrants which provide that the number of shares of our common stock that may be acquired by any holder of the warrants upon exercise of the warrants is limited to the extent necessary to ensure that, following such exercise, the number of shares of our common stock then beneficially owned by such holder and any other persons or entities whose beneficial ownership of common stock would be aggregated with the holder's for purposes of the Exchange Act, does not exceed 9.95% of the total number of shares of our common stock then outstanding.
- 8) Bay Capital Management, LLC is the General Partner of BayStar Capital II, L.P. Steve Derby, Lawrence Goldfarb, and Steven M. Lamar are the three Managing Members of the General Partner, and acting together exercise shared voting and investment control over the securities beneficially owned by BayStar Capital II, L.P. Shares of common stock beneficially owned before and after offering includes 140,000 shares issuable upon conversion of outstanding shares of preferred stock and 91,770 shares issuable upon exercise of warrants. Number of shares offered hereby includes 22,750 shares issuable upon exercise of warrants.
- 9) Paul Kessler has sole voting and investment control over the securities beneficially owned by Bristol Investment Fund, Ltd. Number of shares offered hereby includes 29,355 shares issuable upon exercise of warrants.
- 10) Mitchell Kopin, the president of Downsview Capital, Inc., which is the General Partner of Cranshire Capital L.P., has sole voting and investment control over the securities beneficially owned by Cranshire Capital, L.P. Shares of common stock beneficially owned before and after offering includes 321,842 shares issuable upon exercise of warrants. Number of shares offered hereby includes 67,742 shares issuable upon exercise of warrants.
- 11) Charles L. Lipson, General Partner of C.S.L. Associates L.P., has sole voting and investment control over the securities beneficially owned by C.S.L. Associates L.P. C.S.L. Associates L.P. has advised us that: (i) it is an affiliate of a broker-dealer; (ii) it purchased or acquired the shares to be resold hereunder in the ordinary course of business; and (iii) at the time of the purchase of the shares, it had no agreements or understanding, directly or indirectly, with any person to distribute the securities. Number of shares offered hereby includes 14,000 shares issuable upon exercise of warrants.
- 12) Raj Rajaratnam, Managing Partner, has sole voting and investment control over the securities beneficially owned by Galleon Captain's Offshore, Ltd., Galleon Captain's Partners, L.P., Galleon Healthcare Offshore, Ltd. and Galleon Healthcare Partners, L.P. Number of shares offered hereby for Galleon Captain's Offshore, Ltd. includes 41,423 shares issuable upon exercise of warrants. Number of shares offered hereby for Galleon Captain's Partners, L.P. includes 11,078 shares issuable upon exercise of warrants. Number of shares offered

hereby for Galleon Healthcare Offshore, Ltd. 122,640 shares issuable upon exercise of warrants. Number of shares offered hereby for Galleon Healthcare Partners, L.P. includes 17,360 shares issuable upon exercise of warrants.

- 13) Jason Wild, President of the General Partner J.W. GP, LLC, has sole voting and investment control over the securities held by J.W. Focused Growth Fund, L.P. and J. Wild Fund, L.P. J.W. Focused Growth Fund, L.P. and J. Wild Growth Fund, L.P. have advised us that: (i) they are affiliates of a broker-dealer; (ii) they purchased or acquired the shares to be resold hereunder in the ordinary course of business; and (iii) at the time of the purchase of the shares, they had no agreements or understanding, directly or indirectly, with any person to distribute the securities. Number of shares offered hereby for J.W. Focused Growth Fund, L.P. includes 1,581 shares issuable upon exercise of warrants. Number of shares offered hereby for J. Wild Growth Fund, L.P. includes 1,806 shares issuable upon exercise of warrants.
- 14) Elliot Hahn, the Managing Partner of LEBA Investments, L.P., and Barry Hahn, Aviva Hahn, Lillian Hahn, the limited partners of LEBA Investments, L.P., have shared voting and investment control over the securities beneficially owned by LEBA Investments, L.P. Number of shares offered hereby includes 7,000 shares issuable upon exercise of warrants.
- 15) Hans Hermann Muenchmeyer serves as Managing Director and Member of the Executive Board of Mulligan BioCapital AG. Mr. Muenchmeyer has voting and investment control over the securities beneficially owned by Mulligan BioCapital AG in his capacity as Executive Board member. Number of shares offered hereby includes 45,161 shares issuable upon exercise of warrants.
- 16) North Sound Capital LLC is the Investment Advisor to North Sound Legacy Fund LLC, North Sound Legacy Institutional Fund LLC and North Sound Legacy International Ltd. Thomas McAuley is the sole Managing Member of North Sound Capital LLC and is the natural person exercising sole voting and investment control over the securities beneficially owned by North Sound Legacy Fund LLC, North Sound Legacy Institutional Fund LLC and North Sound Legacy International Ltd. Shares of common stock beneficially owned before and after offering for North Sound Legacy Fund LLC includes 22,706 shares issuable upon conversion of outstanding shares of preferred stock and 59,618 shares issuable upon exercise of warrants. Shares of common stock beneficially owned before and after offering for North Sound Legacy Institutional Fund LLC includes 271,447 shares issuable upon conversion of outstanding shares of preferred stock and 649,814 shares issuable upon exercise of warrants. Shares of common stock beneficially owned before and after offering for North Sound Legacy International Ltd. includes 277,702 shares issuable upon conversion of outstanding shares of preferred stock and 804,984 shares issuable upon exercise of warrants. Number of shares offered hereby for North Sound Legacy Fund LLC includes 9,625 shares issuable upon exercise of warrants. Number of shares offered hereby for North Sound Legacy Institutional Fund LLC

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includes 138,600 shares issuable upon exercise of warrants. Number of shares offered hereby for North Sound Legacy International Ltd. includes 236,775 shares issuable upon exercise of warrants.

- 17) Stuart Z. Feldman exercises sole voting and investment control over the securities beneficially owned by Off SandsPoint, LTD and Sands Point Partners, L.P. Mr. Feldman disclaims beneficial ownership of the securities. Number of shares offered hereby for Off SandsPoint, LTD includes 21,875 shares issuable upon exercise of warrants. Number of shares offered hereby for Sands Point Partners, L.P. includes 21,875 shares issuable upon exercise of warrants.
- 18) Omicron Capital, L.P., a Delaware limited partnership (Omicron Capital), serves as investment manager to Omicron Master Trust, a trust formed under the laws of Bermuda (Omicron), Omicron Capital, Inc., a Delaware corporation (OCI), serves as general partner of Omicron Capital, and Winchester Global Trust Company Limited (Winchester) serves as the trustee of Omicron. By reason of such relationships, Omicron Capital and OCI may be deemed to share dispositive power over the shares of our common stock owned by Omicron, and Winchester may be deemed to share voting and dispositive power over the shares of our common stock owned by Omicron. Omicron Capital, OCI and Winchester disclaim beneficial ownership of such shares of our common stock. Omicron Capital has delegated authority from the board of directors of Winchester regarding the portfolio management decisions with respect to the shares of common stock owned by Omicron and, as of May 14, 2004, Mr. Olivier H. Morali and Mr. Bruce T. Bernstein, officers of OCI, have delegated authority from the board of directors of OCI regarding the portfolio management decisions of Omicron Capital with respect to the shares of common stock owned by Omicron. By reason of such delegated authority, Messrs. Morali and Bernstein may be deemed to share dispositive power over the shares of our common stock owned by Omicron. Messrs. Morali and Bernstein disclaim beneficial ownership of such shares of our common stock and neither of such persons has any legal right to maintain such delegated authority. No other person has sole or shared voting or dispositive power with respect to the shares of our common stock being offered by Omicron, as those terms are used for purposes under Regulation 13D-G of the Securities Exchange Act of 1934, as amended. Omicron and Winchester are not affiliates of one another, as that term is used for purposes of the Securities Exchange Act of 1934, as amended, or of any other person named in this prospectus as a selling stockholder. No person or group (as that term is used in Section 13(d) of the Securities Exchange Act of 1934, as amended, or the SEC's Regulation 13D-G) controls Omicron and Winchester. Shares of common stock beneficially owned before and after offering includes 300,000 shares issuable upon conversion of outstanding shares of preferred stock and 348,572 shares issuable upon exercise of warrants. Number of shares offered hereby includes 67,742 shares issuable upon exercise of warrants.
- 19) Barry Kurokawa and David Musket, the managing directors of ProMed Offshore Fund, Ltd., ProMed Partners, L.P. and ProMed Partners II, L.P. have shared voting and investment power over the securities beneficially owned by ProMed Offshore Fund, Ltd., ProMed Partners, L.P. and ProMed Partners II, L.P. ProMed Offshore Fund, Ltd., ProMed Partners, L.P. and ProMed Partners II, L.P. have advised us that: (i) they are affiliates of a broker-dealer; (ii) they purchased or acquired the shares to be resold hereunder in the ordinary course of business; and (iii) at the time of the purchase of the shares, they had no agreements or understanding, directly or indirectly, with any person to distribute the securities. Shares of common stock beneficially owned before and after offering for ProMed Offshore Fund, Ltd. includes 5,600 shares issuable upon exercise of warrants. Shares of common stock beneficially owned before and after offering for ProMed Partners, L.P. includes 29,400 shares issuable upon exercise of warrants. Number of shares offered hereby for ProMed Offshore Fund, Ltd. includes 5,226 shares issuable upon exercise of warrants. Number of shares offered hereby for ProMed Partners, L.P. includes 32,274 shares issuable upon exercise of warrants. Number of shares offered hereby for ProMed Partners II, L.P. includes 9,020 shares issuable upon exercise of warrants.

- 20) Richard Schottenfeld, Managing Member of Schottenfeld Associates, L.P., the General Partner, has sole voting and investment power over the securities beneficially owned by Schottenfeld Qualified Associates, L.P. Schottenfeld Qualified Associates, L.P. has advised us that: (i) it is an affiliate of a broker-dealer; (ii) it purchased or acquired the shares to be resold hereunder in the ordinary course of business; and (iii) at the time of the purchase of the shares, it had no agreements or understanding, directly or indirectly, with any person to distribute the securities. Number of shares offered hereby includes 18,064 shares issuable upon exercise of warrants.
- 21) SDS Management, LLC is the investment advisor of SDS Capital Group SPC, Ltd. Steve Derby is the Managing Member of SDS Management, LLC, and as such, has voting and investment control over the securities beneficially owned by SDS Capital Group SPC, Ltd. Shares of common stock beneficially owned before and after offering includes 336,170 shares issuable upon conversion of outstanding shares of preferred stock and 936,506 shares issuable upon exercise of warrants. Number of shares offered hereby includes 70,000 shares issuable upon exercise of warrants.
- 22) Jerry Treppel, General Partner, has sole voting and investment control over the securities beneficially owned by Wheaton HealthCare Partners LP. Number of shares offered hereby includes shares 9,032 issuable upon exercise of warrants.
- 23) Xmark Asset Management, LLC, a New York limited liability company of which Mitchell D. Kaye is manager, possesses sole voting and investment power over the shares owned by Xmark Fund, Ltd., a Cayman Islands corporation, and Xmark Fund, L.P., a Delaware limited partnership. Shares of common stock beneficially owned before and after offering for Xmark Fund Ltd. includes 252,000 shares issuable upon exercise of warrants. Shares of common stock beneficially owned before and after offering for Xmark Fund, L.P. includes 168,000 shares issuable upon exercise of warrants. Number of shares offered hereby for Xmark Fund Ltd. includes 51,335 shares issuable upon exercise of warrants. Number of shares offered hereby for Xmark Fund, L.P. includes 53,666 shares issuable upon exercise of warrants.
- 24) Represents shares issuable upon exercise of warrants.

PLAN OF DISTRIBUTION

We are registering the shares of common stock on behalf of the selling security holders. Sales of shares may be made by selling security holders, including their respective donees, transferees, pledgees or other successors-in-interest directly to purchasers or to or through underwriters, broker-dealers or through agents. Sales may be made from time to time on the NASDAQ National Market, any other exchange or market upon which our shares may trade in the future, in the over-the-counter market or otherwise, at market prices prevailing at the time of sale, at prices related to market prices, or at negotiated or fixed prices. The shares may be sold by one or more of, or a combination of, the following:

a block trade in which the broker-dealer so engaged will attempt to sell the shares as agent but may position and resell a portion of the block as principal to facilitate the transaction (including crosses in which the same broker acts as agent for both sides of the transaction);

purchases by a broker-dealer as principal and resale by such broker-dealer, including resales for its account, pursuant to this prospectus;

ordinary brokerage transactions and transactions in which the broker solicits purchases;

through options, swaps or derivatives;

in privately negotiated transactions;

in making short sales or in transactions to cover short sales;

put or call option transactions relating to the shares; and

any other method permitted pursuant to applicable law.

The selling security holders may effect these transactions by selling shares directly to purchasers or to or through broker-dealers, which may act as agents or principals. These broker-dealers may receive compensation in the form of discounts, concessions or commissions from the selling security holders and/or the purchasers of shares for whom such broker-dealers may act as agents or to whom they sell as principals, or both (which compensation as to a particular broker-dealer might be in excess of customary commissions). The selling security holders have advised us that they have not entered into any agreements, understandings or arrangements with any underwriters or broker-dealers regarding the sale of their securities.

The selling security holders may enter into hedging transactions with broker-dealers or other financial institutions. In connection with those transactions, the broker-dealers or other financial institutions may engage in short sales of the shares or of securities convertible into or exchangeable for the shares in the course of hedging positions they assume with the selling security holders and deliver the shares to close out such short sales. The selling security holders may also enter into options or other transactions with broker-dealers or other financial institutions which require the delivery of shares offered by this prospectus to those broker-dealers or other financial institutions. The broker-dealer or other financial institution

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may then resell the shares pursuant to this prospectus (as amended or supplemented, if required by applicable law, to reflect those transactions).

The selling security holders and any broker-dealers that act in connection with the sale of shares may be deemed to be underwriters within the meaning of Section 2(11) of the Securities Act of 1933, and any commissions received by broker-dealers or any profit on the resale of the shares sold by them while acting as principals may be deemed to be underwriting discounts or commissions under the Securities Act. The selling security holders may agree to indemnify any agent, dealer or broker-dealer that participates in transactions involving sales of the shares against liabilities, including liabilities arising under the Securities Act. We have agreed to indemnify each of the selling security holders and each selling security holder has agreed, severally and not jointly, to indemnify us against some liabilities in connection with the offering of the shares, including liabilities arising under the Securities Act.

The selling security holders will be subject to the prospectus delivery requirements of the Securities Act. We have informed the selling security holders that the anti-manipulative provisions of Regulation M promulgated under the Securities Exchange Act of 1934 may apply to their sales in the market.

Selling security holders also may resell all or a portion of the shares in open market transactions in reliance upon Rule 144 under the Securities Act, provided they meet the criteria and conform to the requirements of Rule 144.

Upon being notified by a selling security holder that a material arrangement has been entered into with a broker-dealer for the sale of shares through a block trade, special offering, exchange distribution or secondary distribution or a purchase by a broker or dealer, we will file a supplement to this prospectus, if required pursuant to Rule 424(b) under the Securities Act, disclosing:

the name of each such selling security holder and of the participating broker-dealer(s);

the number of shares involved;

the initial price at which the shares were sold;

the commissions paid or discounts or concessions allowed to the broker-dealer(s), where applicable;

that such broker-dealer(s) did not conduct any investigation to verify the information set out or incorporated by reference in this prospectus; and

other facts material to the transactions.

In addition, if required under applicable law or the rules or regulations of the Commission, we will file a supplement to this prospectus when a selling security holder notifies us that a donee or pledgee intends to sell more than 500 shares of common stock.

We are paying all expenses and fees customarily paid by the issuer in connection with the registration of the shares. The selling security holders will bear all brokerage or underwriting discounts or commissions paid to broker-dealers in connection with the sale of the shares.

DESCRIPTION OF SECURITIES TO BE REGISTERED

The following summary of the terms of our common stock does not purport to be complete and is subject to and qualified in its entirety by reference to our Charter and Bylaws, copies of which are on file with the Commission. See

Where You Can Find More Information.

We have authority to issue 50,000,000 shares of common stock, \$.001 par value per share. As of May 14, 2004, we had 13,411,053 shares of common stock outstanding, held of record by approximately 400 stockholders.

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Terms

Holders of our common stock are entitled to one vote per share on all matters to be voted upon by the stockholders. The holders of common stock are not entitled to cumulative voting rights with respect to election of directors, and as a consequence, minority stockholders will not be able to elect directors on the basis of their shares alone. Our Board of Directors currently consists of nine directors, divided into classes. Recently, the Board of Directors approved a reduction in the number of directors from nine to seven, as well as amended our bylaws to declassify the Board to eliminate the classes and staggered terms and provide for the annual election of directors. Effective at our 2004 Annual Meeting of Stockholders, all of our directors will be elected to one-year terms expiring at the next Annual Meeting of Stockholders.

Holders of our Series D 8% Cumulative Convertible Voting Preferred Stock (or Series D Preferred Stock) and Series E Convertible Voting Preferred Stock (or Series E Preferred Stock) have full voting rights and powers equal to the voting rights and powers of holders of common stock, and are entitled to the number of votes equal to the number of shares of common stock into which their shares of Series D and Series E Preferred Stock can be converted. Pursuant to the Certificates of Designations for the Series D and Series E Preferred Stock, the number of shares of our common stock that may be acquired by any holder of Series D or Series E Preferred Stock upon any conversion of the preferred stock, or that shall be entitled to voting rights, is limited to the extent necessary to ensure that following such conversion, the number of shares of our common stock then beneficially owned by such holder and any other person or entities whose beneficial ownership of common stock would be aggregated with the holder's for purposes of the Securities and Exchange Act of 1934, as amended, does not exceed 4.95% of the total number of shares of our common stock then outstanding.

With regard to dividends, no dividend on our common stock may be paid unless, at the time of such payment, all accrued dividends on our Series D Preferred Stock have been paid, and we have on hand cash and other liquid assets sufficient to pay in full, in cash, the liquidation preference that would be payable to the holders of the preferred stock, as if such liquidation preference were then payable. Subject to this preference and the preferences that may be applicable to the holders of any other class of our preferred stock, if any, the holders of our common stock are entitled to receive ratably such lawful dividends as may be declared by the Board of Directors.

In the event of liquidation, dissolution or winding up of Spectrum, before any distribution of our assets shall be made to or set apart for the holders of our common stock, the holders of our Series D Preferred Stock and our Series E Preferred Stock shall be entitled to receive payment out of our assets in an amount equal to the liquidation preference set forth in the Certificate of Designations for the preferred stock, currently \$12,000 per share of preferred stock plus any accrued, but unpaid dividends. If the assets available for distribution to stockholders exceed the aggregate amount of the liquidation preference with respect to all shares of the preferred stock then outstanding, then the holders of our common stock shall be entitled to receive, subject to the rights of the holders of any other class of our preferred stock, if any, pro rata all of our remaining assets available for distribution to our stockholders.

Our common stock has no preemptive or conversion rights, other subscription rights, or redemption or sinking fund provisions. All outstanding shares of our common stock are fully paid and nonassessable. The rights, powers, preferences and privileges of holders of our common stock are subject to, and may be adversely affected by, the rights of the holders of shares of any series of preferred stock.

Stockholder Rights Plan

On December 13, 2000, we adopted a Stockholder Rights Plan pursuant to which we have distributed rights to purchase units of our Series B Junior Participating Preferred Stock. The rights become exercisable upon the earlier of ten days after a person or group of affiliated or associated persons has acquired 20% or more of the outstanding shares

of our common stock or ten business days after a tender offer has commenced that would result in a person or group beneficially owning 20% or more of our outstanding common stock, other than pursuant to a transaction approved in advance by our Board of Directors. The description and terms of the rights are set forth in a Rights Agreement between us and U.S. Stock Transfer Corporation, as rights agent, filed with the Securities and Exchange Commission on December 26, 2000, as Exhibit 4.1 to our Form 8-A, as amended by Amendment No. 1 dated July 23, 2003, filed with the Securities and Exchange Commission on August 14, 2003, as Exhibit 4.1 to our

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Form 10-Q for the period ended June 30, 2003, and Amendments No. 2 and 3 dated May 10, 2004, filed with the Securities and Exchange Commission on May 17, 2004, as Exhibits 4.1 and 4.2, respectively, to our Form 10-Q for the period ended March 31, 2004.

Certain Provisions of Delaware Law and of the Company's Charter and Bylaws

The following paragraphs summarize certain provisions of the Delaware General Corporation Law and the Company's Charter and Bylaws. The summary does not purport to be complete and is subject to and qualified in its entirety by reference to the DGCL and to the Company's Charter and Bylaws, copies of which are on file with the Commission. See Where You Can Find More Information.

Our Certificate of Incorporation and Bylaws contain provisions that, together with the ownership position of the officers, directors and their affiliates, could discourage potential takeover attempts and make it more difficult for stockholders to change management, which could adversely affect the market price of our common stock.

Our Certificate of Incorporation limits the extent to which our directors are personally liable to Spectrum and our stockholders, to the fullest extent permitted by the Delaware General Corporation Law, or DGCL. The inclusion of this provision in our Certificate of Incorporation may reduce the likelihood of derivative litigation against directors and may discourage or deter stockholders or management from bringing a lawsuit against directors for breach of their duty of care.

Our Bylaws provide that special meetings of stockholders can be called only by the Board of Directors, the Chairman of the Board of Directors or the Chief Executive Officer. Stockholders are not permitted to call a special meeting and cannot require the Board of Directors to call a special meeting. There is no right of stockholders to act by written consent without a meeting, unless the consent is unanimous. Any vacancy on the Board of Directors resulting from death, resignation, removal or otherwise or newly created directorships may be filled only by vote of the majority of directors then in office, or by a sole remaining director. Our Bylaws establish advance notice procedures with respect to stockholder proposals and the nomination of candidates for election as directors, except for nominations made by or at the direction of the board of directors or a committee of the board. Our Bylaws also provide for a classified board. See Terms above.

We are subject to the business combination statute of the DGCL, an anti-takeover law enacted in 1988. In general, Section 203 of the DGCL prohibits a publicly-held Delaware corporation from engaging in a business combination with an interested stockholder, for a period of three years after the date of the transaction in which a person became an interested stockholder, unless:

prior to such date the board of directors of the corporation approved either the business combination or the transaction which resulted in the stockholder becoming an interested stockholder,

upon consummation of the transaction which resulted in the stockholder becoming an interested stockholder, the interested stockholder owned at least 85% of the voting stock of the corporation outstanding at the time the transaction commenced, excluding for purposes of determining the number of shares outstanding those shares owned (1) by persons who are directors and also officers and (2) employee stock plans in which employee participants do not have the right to determine confidentially whether shares held subject to the plan will be tendered in a tender or exchange offer, or

at or subsequent to such time the business combination is approved by the board of directors and authorized at an annual or special meeting of stockholders, and not by written consent, by the affirmative vote of a least 66% of the outstanding voting stock which is not owned by the interested stockholder.

A business combination includes mergers, stock or asset sales and other transactions resulting in a financial benefit to the interested stockholders. An interested stockholder is a person who, together with affiliates and associates, owns (or within three years, did own) 15% or more of the corporation's voting stock. Although Section 203 permits us to elect not to be governed by its provisions, we have not made this election. As a result of the application of Section 203, potential acquirers of Spectrum may be discouraged from attempting to

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effect an acquisition transaction with us, thereby possibly depriving holders of our securities of certain opportunities to sell or otherwise dispose of such securities at above-market prices pursuant to such transactions.

Transfer Agent and Registrar

The transfer agent and registrar for the common stock is U.S. Stock Transfer Corporation.

VALIDITY OF COMMON STOCK

Latham & Watkins LLP, Costa Mesa, California, will pass on the validity of the issuance of the shares of common stock offered by this prospectus.

EXPERTS

The consolidated financial statements of the Company as of December 31, 2003 and December 31, 2002 and for the years ended December 31, 2003 and December 31, 2002, incorporated by reference in this registration statement have been audited by Kelly & Company, independent public accountants, as indicated in their report with respect thereto, and are included herein in reliance upon the authority of said firm as experts in giving said report.

The consolidated financial statements of the Company as of December 31, 2001 and for the year ended December 31, 2001 incorporated by reference in this registration statement have been audited by Arthur Andersen LLP, independent public accountants, as indicated in their report with respect thereto, and are included herein in reliance upon the authority of said firm as experts in giving said report. Arthur Andersen LLP has not consented to the inclusion of their report in the registration statement, and in reliance upon Rule 437a of the Securities Act, we have not therefore filed their consent. Because Arthur Andersen LLP has not consented to the inclusion of their report in the registration statement, it may become more difficult for you to seek remedies against Arthur Andersen LLP in connection with any material misstatement or omission that may be contained in our consolidated financial statements and schedules for such periods. In particular, and without limitation, you will not be able to recover against Arthur Andersen LLP under Section 11 of the Securities Act for any untrue statement of a material fact contained in the financial statements audited by Arthur Andersen LLP or any omission of a material fact required to be stated in those financial statements.

LIMITATION ON LIABILITY AND DISCLOSURE OF SEC POSITION ON INDEMNIFICATION FOR SECURITIES ACT LIABILITIES

Our bylaws provide for indemnification of our directors and officers to the fullest extent permitted by law. Insofar as indemnification for liabilities under the Securities Act may be permitted to directors, officers or controlling persons of the Company pursuant to the Company's Certificate of Incorporation, as amended, bylaws and the Delaware General Corporation Law, the Company has been informed that in the opinion of the SEC such indemnification is against public policy as expressed in such Act and is therefore unenforceable.

WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and special reports, proxy statements and other information with the SEC. You may read and copy any document we file at the SEC's public reference room at 450 Fifth Street, N.W., Washington, D.C.,

20549. Please call the SEC at 1-800-SEC-0330 for further information on the operation of the public reference rooms. Our SEC filings are also available to the public at the SEC's web site at <http://www.sec.gov>.

The SEC allows us to incorporate by reference the information we file with them, which means that we can disclose important information to you by referring you to those documents instead of having to repeat the information in this prospectus. The information incorporated by reference is considered to be part of this prospectus, and later information that we file with the SEC will automatically update and supersede this information. We incorporate by reference the documents listed below and any future filings made with the SEC under Sections 13(a), 13(c), 14, or 15(d) of the Securities Exchange Act of 1934 until the selling stockholders sell all the shares:

Our annual report on Form 10-K for the fiscal year ended December 31, 2003, filed on March 29, 2004, as amended by Amendment No. 1 on Form 10-K/A, filed on April 29, 2004;

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Our quarterly report on Form 10-Q for the quarter ended March 31, 2004, filed on May 17, 2004;

Our current reports on Form 8-K filed on April 21, 2004 and April 23, 2004;

The description of our common stock contained in the Registration of Securities of Certain Successor Issuers filed pursuant to Section 12(g) of the Exchange Act on Form 8-B on June 27, 1997, including any amendment or reports filed for the purpose of updating such description;

The description of our Rights to Purchase Series B Junior Participating Preferred Stock contained in the Registration of Certain Classes of Securities filed pursuant to Section 12(g) of the Exchange Act on Form 8-A on December 26, 2000, including any amendment or reports filed for the purpose of updating such description.

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

Spectrum Pharmaceuticals, Inc.
Attn: Investor Relations
157 Technology Drive
Irvine, California 92618
(949) 788-6700

You should rely only on the information contained in this prospectus or any supplement and in the documents incorporated by reference. We have not authorized anyone else to provide you with different information. The selling stockholders will not make an offer of these shares in any state where the offer is not permitted. You should not assume that the information in this prospectus or any supplement or in the documents incorporated by reference is accurate on any date other than the date on the front of those documents.

This prospectus is part of a registration statement we filed with the SEC (Registration No. 333-). That registration statement and the exhibits filed along with the registration statement contain more information about the shares sold by the selling stockholders. Because information about contracts referred to in this prospectus is not always complete, you should read the full contracts which are filed as exhibits to the registration statement. You may read and copy the full registration statement and its exhibits at the SEC's public reference rooms or their web site.

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4,502,010 SHARES OF COMMON STOCK

SPECTRUM PHARMACEUTICALS, INC.

PROSPECTUS

, 2004

No dealer, salesperson or other individual has been authorized to give any information or to make any representations other than contained or incorporated by reference in this Prospectus, and if given or made, such information or representations must not be relied upon as having been authorized by the Company or any underwriter. This Prospectus does not constitute an offer or solicitation by anyone in any jurisdiction in which such offer or solicitation is not authorized or in which the person making such offer is not qualified to do so or to anyone to whom it is unlawful to make such offer or solicitation. Neither the delivery of this Prospectus nor any sale made hereunder shall, under any circumstance, create any implication that there has not been any change in the affairs of the Company since the date hereof.

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PART II

INFORMATION NOT REQUIRED IN THE PROSPECTUS

Item 14. Other Expenses of Issuance and Distribution.

The following sets forth the estimated costs and expenses, all of which shall be borne by the Registrant, in connection with the offering of the securities pursuant to this Registration Statement:

| | |
|-------------------------|---------------|
| Registration Fee | \$ 4,329.36 |
| Legal Fees and Expenses | \$ 10,000.00* |
| Accounting Fees | \$ 2,000.00* |
| Printer Fees | \$ 1,000.00* |
| | <hr/> |
| Total | \$ 17,329.36* |
| | <hr/> |

* Estimated.

Item 15. Indemnification of Directors and Officers.

The bylaws of the Registrant provide for indemnification of the Registrant's directors and officers to the fullest extent permitted by law. Insofar as indemnification for liabilities under the Securities Act may be permitted to directors, officers or controlling persons of the Registrant pursuant to the Registrant's Certificate of Incorporation, bylaws and the Delaware General Corporation Law (the "DGCL"), the Registrant has been informed that in the opinion of the SEC such indemnification is against public policy as expressed in such Act and is therefore unenforceable.

Section 102(b)(7) of the DGCL provides that a certificate of incorporation may include a provision which eliminates or limits the personal liability of a director to the corporation or its stockholders for monetary damages for breach of fiduciary duty as a director, except for liability (i) for any breach of the director's duty of loyalty to the company or its stockholders, (ii) for acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law, (iii) under Section 174 of the DGCL, relating to prohibited dividends or distributions or the repurchase or redemption of stock or (iv) for any transaction from which the director derives an improper personal benefit. The Registrant's Certificate of Incorporation includes such a provision. As a result of this provision, the Registrant and its stockholders may be unable to obtain monetary damages from a director for breach of his or her duty of care.

Item 16. Exhibits.

| Exhibits: | Description |
|------------------|---|
| 4.1 | Investor Rights Agreement dated as of April 20, 2004, by and among Sectrum and the persons listed on Schedule 1 attached thereto (Filed as Exhibit 4.1 to Form 8-K, as filed with the Securities and Exchange Commission on April 23, 2004 and incorporated herein by reference.) |
| 4.2 | |

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Form of Warrant (Filed as Exhibit 4.2 to Form 8-K, as filed with the Securities and Exchange Commission on April 23, 2004 and incorporated herein by reference.)

- 4.3 Warrant issued by the Registrant to a consultant, dated as of September 17, 2003. (Filed as Exhibit 4.3 to Form 10-Q, as filed with the Securities and Exchange Commission on May 17, 2004 and incorporated herein by reference.)
- 4.4 Warrant issued by the Registrant to a consultant, dated as of April 21, 2004. (Filed as Exhibit 4.4 to Form 10-Q, as filed with the Securities and Exchange Commission on May 17, 2004 and incorporated herein by reference.)
- 5.1+ Opinion of Latham & Watkins LLP.
- 10.1 Common Stock and Warrant Purchase Agreement dated as of April 20, 2004, by and among Spectrum and the purchasers listed on Schedule 1 attached thereto. (Filed as Exhibit 10.1 to Form 8-K, as filed with the Securities and Exchange Commission on April 23, 2004 and incorporated herein by reference.)
- 23.1 Consent of Latham & Watkins LLP. (included in Exhibit 5.1).
- 23.2+ Consent of Kelly & Company.

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| Exhibits: | Description |
|------------------|---|
| 23.3+ | Information Regarding Consent of Arthur Andersen LLP. |
| 24.1 | Power of Attorney (included on this signature page to this Registration Statement). |

+ Filed herewith.
Item 17. Undertakings.

(a) The undersigned registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i) To include any prospectus required by Section 10(a)(3) of the Securities Act;

(ii) To reflect in the prospectus any facts or events arising after the effective date of this registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20% change in the maximum aggregate offering price set forth in the Calculation of Registration Fee table in the effective registration statement;

(iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement.

Provided, however, that paragraphs (a)(1)(i) and (a)(1)(ii) of this section do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in periodic reports filed with or furnished to the Commission by the registrant pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the registration statement.

(2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of the securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(b) The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to section 13(a) or section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(c) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a

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court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Act and will be governed by the final adjudication of such issue.

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SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Irvine, State of California, on May 21, 2004.

SPECTRUM PHARMACEUTICALS, INC.

By: /s/ RAJESH C. SHROTRIYA

Rajesh C. Shrotriya, M.D.
Chairman, Chief Executive Officer
and President

POWER OF ATTORNEY

We, the undersigned directors and officers of Spectrum Pharmaceuticals, Inc., do hereby constitute and appoint Rajesh C. Shrotriya, M.D. and Shyam Kumaria, or either of them, our true and lawful attorneys-in-fact and agents, each with full power to sign for us or any of us in our names and in any and all capacities, any and all amendments (including post-effective amendments) to this Registration Statement, or any related registration statement that is to be effective upon filing pursuant to Rule 462(b) under the Securities Act of 1933, as amended, and to file the same, with all exhibits thereto and other documents required in connection therewith, and each of them with full power to do any and all acts and things in our names and in any and all capacities, which such attorneys-in-fact and agents, or either of them, may deem necessary or advisable to enable Spectrum Pharmaceuticals, Inc. to comply with the Securities Act of 1933, as amended, and any rules, regulations, and requirements of the Securities and Exchange Commission, in connection with this Registration Statement; and we hereby do ratify and confirm all that the such attorneys-in-fact and agents, or either of them, shall do or cause to be done by virtue thereof.

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

| Signature | Title | Date |
|--------------------------------|---|--------------|
| <u>/s/ RAJESH C. SHROTRIYA</u> | Chairman, Chief Executive Officer, President and Director (principal executive officer) | May 21, 2004 |
| Rajesh C. Shrotriya, M.D. | | |
| <u>/s/ SHYAM KUMARIA</u> | Vice President Finance (principal financial officer and principal accounting officer) | May 21, 2004 |
| Shyam Kumaria | | |
| <u>/s/ Mark J. Glasky</u> | Director | May 21, 2004 |
| Mark J. Glasky | | |

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/s/ ANN C. KESSLER

Director

May 21, 2004

Ann C. Kessler, Ph.D.

/s/ ARMIN M. KESSLER

Director

May 21, 2004

Armin M. Kessler

/s/ DILIP J. MEHTA

Director

May 21, 2004

Dilip J. Mehta, M.D., Ph.D.

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| Signature | Title | Date |
|---|--------------|--------------|
| /s/ PAUL H. SILVERMAN _____ Paul H. Silverman, Ph.D., D.Sc. | Director | May 21, 2004 |
| /s/ JULIUS A. VIDA _____ Julius A. Vida, Ph.D. | Director | May 21, 2004 |
| /s/ ANTHONY E. MAIDA _____ Anthony E. Maida | Director | May 21, 2004 |
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EXHIBIT INDEX

| Exhibits: | Description |
|------------------|---|
| 4.1 | Investor Rights Agreement dated as of April 20, 2004, by and among Spectrum and the persons listed on Schedule 1 attached thereto (Filed as Exhibit 4.1 to Form 8-K, as filed with the Securities and Exchange Commission on April 23, 2004 and incorporated herein by reference.) |
| 4.2 | Form of Warrant (Filed as Exhibit 4.2 to Form 8-K, as filed with the Securities and Exchange Commission on April 23, 2004 and incorporated herein by reference.) |
| 4.3 | Warrant issued by the Registrant to a consultant, dated as of September 17, 2003. (Filed as Exhibit 4.3 to Form 10-Q, as filed with the Securities and Exchange Commission on May 17, 2004 and incorporated herein by reference.) |
| 4.4 | Warrant issued by the Registrant to a consultant, dated as of April 21, 2004. (Filed as Exhibit 4.4 to Form 10-Q, as filed with the Securities and Exchange Commission on May 17, 2004 and incorporated herein by reference.) |
| 5.1+ | Opinion of Latham & Watkins LLP. |
| 10.1 | Common Stock and Warrant Purchase Agreement dated as of April 20, 2004, by and among Spectrum and the purchasers listed on Schedule 1 attached thereto. (Filed as Exhibit 10.1 to Form 8-K, as filed with the Securities and Exchange Commission on April 23, 2004 and incorporated herein by reference.) |
| 23.1 | Consent of Latham & Watkins LLP. (included in Exhibit 5.1). |
| 23.2+ | Consent of Kelly & Company. |
| 23.3+ | Information Regarding Consent of Arthur Andersen LLP. |
| 24.1 | Power of Attorney (included on this signature page to this Registration Statement). |

+ Filed herewith.