

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, DC 20549

Post-Effective Amendment No. 1 to

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

LION BIOTECHNOLOGIES, INC.

(Exact name of registrant as specified in its charter)

Nevada
(State or other jurisdiction of incorporation or organization)

75-3254381
(I.R.S. Employer Identification Number)

**21900 Burbank Blvd, Third Floor
Woodland Hills, CA 91367
(818) 992-3126**

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

**Dr. Elma Hawkins
Lion Biotechnologies, Inc.
21900 Burbank Boulevard, Third Floor
Woodland Hills, CA 91367
(818) 992-3126**

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

**Copy to:
Istvan Benko
TroyGould PC
1801 Century Park East, 16th Floor
Los Angeles, California 90067
(310) 553-4441**

Approximate date of commencement of proposed sale to the public: This Post-Effective Amendment is being filed to deregister all of the unsold securities previously registered under the Registration Statement.

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

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

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

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

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

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

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer Accelerated filer Non-accelerated filer Smaller reporting company
(Do not check if a smaller reporting company)

EXPLANATORY NOTE: DEREGISTRATION OF SECURITIES

This Post-Effective Amendment No. 1 (“Post-Effective Amendment”) is filed by Lion Biotechnologies, Inc. (the “Company”) and amends the registration statement initially filed on Form S-3 (File No. 333-200418) with the Securities and Exchange Commission (the “Commission”) on November 20, 2014, as amended by that certain Registration Statement on Form S-3MEF (Reg. No. 333-202297) which was filed by the Company and became effective with the Commission on February 26, 2015 (collectively, the “Registration Statement”), registering securities of the Company to be sold using the “shelf registration” process under Rule 415 of the Securities Act of 1933, as amended.

The offering of securities pursuant to the Registration Statement has been completed. Accordingly, pursuant to the undertaking contained in the Registration Statement to remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold, the Company hereby amends the Registration Statement to remove from registration the securities covered by the Registration Statement which remain unsold.

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 this Post-Effective Amendment No. 1 to 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 Woodland Hills, California, on July 24, 2015.

LION BIOTECHNOLOGIES, INC.

By: /s/ Molly Henderson
Molly Henderson
Chief Financial Officer

Note: No other person is required to sign this Post-Effective Amendment No. 1 to Registration Statement in reliance upon Rule 478 under the Securities Act of 1933, as amended.