UNITED STATES
SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 OR 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported) **March 13, 2018**

LEXARIA BIOSCIENCE CORP.

(Exact name of registrant as specified in its charter)

Nevada	**000-52138**	**20-2000871**
(State or other jurisdiction of incorporation)	(Commission File Number)	(IRS Employer Identification No.)

156 Valleyview Road, Kelowna, BC Canada	**V1X 3M4**
(Address of principal executive offices)	(Zip Code)

Registrant's telephone number, including area code **(250) 765-6424**

N/A

(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

[ ] Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
[ ] Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
[ ] Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
[ ] Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b -2 of this chapter).

Emerging growth company [ ]

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

[ ]

Item 7.01 Regulation FD Disclosure

On March 13, 2018 Lexaria Bioscience Corp. ("Lexaria") issued a news release announcing it has completed its first study evaluating DehydraTECH™ used in a topical cream formulation. The news release is filed as exhibit 99.1 to this current report and is hereby incorporated by reference.

On March 14, 2018 Lexaria issued news release announcing that it has commenced its first nicotine *in vivo* (animal) absorption and tolerability study. The news release is filed as exhibit 99.2 to this current report and is hereby incorporated by reference.

Item 9.01 Financial Statements and Exhibits

99.1	Press Release dated March 13, 2018
99.2	Press Release dated March 14, 2018

SIGNATURES

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

LEXARIA BIOSCIENCE CORP.

/s/ Chris Bunka
Chris Bunka
CEO, Principal Executive Officer

Date: March 16, 2018

Exhibit 99.1

Lexaria Bioscience Corp Completes Successful Skin Absorption Study

Kelowna, British Columbia – March 13, 2018 – Lexaria Bioscience Corp. (OTCQX: LXRP) (CSE: LXX) (the "Company" or "Lexaria"), a drug delivery platform innovator, is pleased to announce it has completed the world's first study evaluating DehydraTECH™ used in a topical cream formulation for absorption of cannabidiol ("CBD") through human skin. Results proved significant increases in both speed and quantity of CBD absorption through skin when compared to control formulations.

The absorption study was performed on human skin at a California-based laboratory that specializes in Franz diffusion cell skin permeability testing. Lexaria's DehydraTECH™ technology was used together with a sophisticated oil-in-water emulsion formulation design and compared to a series of matching oil-in-water emulsion formulations prepared with the same CBD inputs, with and without the DehydraTECH™ technology and with and without two leading skin penetration enhancers currently used in the skin products industry. Several factors were measured, including the time required to detect CBD skin penetration and quantity, and peak amounts of CBD absorbed into and through the skin, at multiple testing intervals over a 48-hour duration.

Lexaria's DehydraTECH™-enabled topical formulation, absent either of the commercial penetration enhancers, was the fastest acting for absorption into the epidermis, dermis or through the skin into the systemic fraction representing permeation into the underlying circulatory system. Lexaria's DehydraTECH™-enabled product also had no odour even without the use of perfumes, contrary to other cannabinoid industry products that can be quite strongly odoriferous without the use of masking perfumes.

Furthermore, Lexaria's DehydraTECH™-enabled topical formulation without the addition of either of the commercial penetration enhancers, demonstrated the highest overall average quantity of CBD delivered through the skin and into the representative systemic fraction of all the formulations tested, with as much as a 225% increase in CBD permeability when compared to the highest performing commercial penetration enhancer formulation assessed and almost a 1,900% increase in CBD permeability when compared to a control formulation that was devoid of both the DehydraTECH™ technology or any commercial penetration enhancers. The commercial skin penetration enhancers only demonstrated performance that was on par or superior to the DehydraTECH™-enabled formulations tested in so far as total CBD absorption into the shallow epidermis or dermis was concerned.

Based on these findings, the Company will now begin discussing potential additional commercial applications for its DehydraTECH™ technology with interested third parties from the topical products sector. Unlike most other cannabinoid skin care products already on the market, Lexaria's formulations are laboratory tested and specially enhanced for superior performance including faster absorption.

Lexaria is already developing second generation topical product formulations containing cannabinoids and is considering the delivery of other active ingredients named in its issued and pending patent applications including but not limited to nicotine, PDE5 inhibitors, and more.

"We have theorized for some time that our DehydraTECH™ delivery system might have positive effects upon skin-based delivery complementing its already commercialized gastro-intestinal product applications," said John Docherty, President. "This first round of testing was very encouraging and showed clear benefits with regards to speed of action and, particularly, delivery of CBD across the skin barrier for potential transdermal applications where delivery into the human circulatory system is required."

The global skin care industry is estimated to be $121 billion, according to *Global Cosmetic Industry* magazine, with the US, China and Japan being the three largest national markets. There are many opportunities to formulate new skin care products such as skin creams, cosmetics, nutraceutical and pharmaceutical products and more, with effective active ingredients.

Separately the Company announces it has received US$24,500 from the exercise of warrants previously granted. The Company has received for exercise a total of 175,000 warrants with an exercise price of US$0.14, previously granted. The warrant exercises are by third parties who are neither officers nor directors of the Company.

No commissions or placement fees have been paid related to the funds received from these warrants exercised. Proceeds will be used for general corporate purposes.

The securities referred to herein will not be or have not been registered under the United States Securities Act of 1933, as amended, and may not be offered or sold in the United States absent registration or an applicable exemption from registration requirements.

Lexaria's patented DehydraTECH™ technology is focused on improved delivery methodologies of many commonly used active pharmaceutical ingredient ("API") substances. As such, it provides an additional layer of effectiveness that is designed to harmonize with the intellectual property of third parties. Both patented and generic API substances can utilize Lexaria's patented technology. Lexaria's long term strategy is to partner with the world's leading firms as they deliver best-of-class products to their existing large consumer groups.

About Lexaria
Lexaria Bioscience Corp. has developed and out-licenses its disruptive delivery technology that promotes healthier ingestion methods, lower overall dosing and higher effectiveness of lipophilic active molecules. Lexaria has multiple patents pending in over 40 countries around the world and has patents granted in the USA and in Australia for utilization of its DehydraTECH^{TM} delivery technology. Lexaria's technology provides increases in intestinal absorption rates; more rapid delivery to the bloodstream; and important taste-masking benefits, for orally administered bioactive molecules including cannabinoids, vitamins, non-steroidal anti-inflammatory drugs (NSAIDs), nicotine and other molecules.
www.lexariabioscience.com


For regular updates, connect with Lexaria on Twitter (https://twitter.com/lexariacorp)


and on Facebook http://tinyurl.com/y8vzcaam

FOR FURTHER INFORMATION PLEASE CONTACT:
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(778) 796-1897
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NetworkNewsWire (NNW)
www.NetworkNewsWire.com

FORWARD-LOOKING STATEMENTS

This release includes forward-looking statements. Statements which are not historical facts are forward-looking statements. The Company makes forward-looking public statements concerning its expected future financial position, results of operations, cash flows, financing plans, business strategy, products and services, competitive positions, growth opportunities, plans and objectives of management for future operations, including statements that include words such as "anticipate," "if," "believe," "plan," "estimate," "expect," "intend," "may," "could," "should," "will," and other similar expressions are forward-looking statements, including but not limited to: that any additional patent protection will be realized or that patent achievements will deliver material results. Such forward-looking statements are estimates reflecting the Company's best judgment based upon current information and involve a number of risks and uncertainties, and there can be no assurance that other factors will not affect the accuracy of such forward-looking statements. Factors which could cause actual results to differ materially from those estimated by the Company include, but are not limited to, government regulation, managing and maintaining growth, the effect of adverse publicity, litigation, competition, scientific discovery, the patent application and approval process and other factors which may be identified from time to time in the Company's public announcements and filings. There is no assurance that existing capital is sufficient for the Company's needs or that it will be able to raise additional capital. There is no assurance the Company will be capable of developing, marketing, licensing, or selling edible products containing cannabinoids or any other active ingredient. There is no assurance that any planned corporate activity, scientific research or study, business venture, technology licensing pursuit, patent application or allowance, consumer study, or any initiative will be pursued, or if pursued, will be successful. There is no assurance that any of Lexaria's postulated uses, benefits, or advantages for the patented and patent-pending technology will in fact be realized in any manner or in any part. No statement herein has been evaluated by the Food and Drug Administration (FDA). Lexaria-associated products are not intended to diagnose, treat, cure or prevent any disease.

The CSE has not reviewed and does not accept responsibility for the adequacy or accuracy of this release.

Exhibit 99.2

Lexaria Begins Nicotine Absorption Study

Kelowna, British Columbia – March 14, 2018 – Lexaria Bioscience Corp. (OTCQX: LXRP) (CSE: LXX) (the "Company" or "Lexaria"), a drug delivery platform innovator, is pleased to announce that it has commenced its first nicotine *in vivo* (animal) absorption and tolerability study. The dosing stage is complete and final results are expected within approximately 30 days.

Initial observations showed no obvious signs of gastrointestinal ("GI") distress such as vomiting or diarrhea in the animals. One of the two key objectives of the study is to determine whether Lexaria's DehydraTECH^{TM} may reduce or eliminate gastric distress for edible forms of nicotine. Typically, if nicotine is swallowed it often produces gastric distress, which complicates use of oral nicotine replacement therapy products in general. Multiple doses were tested in the animals at levels far exceeding those typically found in human nicotine replacement therapy products used in the market today, further emphasizing the importance of these early GI observations.

The nicotine formulation absorption study is being conducted at the same third-party laboratory in Philadelphia where the Company completed its initial cannabidiol absorption study in 2015. A full set of pharmacokinetic ("PK") data will be generated through blood draws to better understand the speed of delivery, quantity and profile of nicotine absorption and more.

For the first time anywhere, Lexaria's DehydraTECH^{TM} will also be evaluated for the possibility of first-pass liver metabolism bypass through measurements of both nicotine and nicotine metabolites. The ratios of these substances present in blood could provide evidence-based confirmation of the DehydraTECH^{TM} influence in this important process.

"We're pleased to have the nicotine absorption study underway," said Chief Executive Officer Chris Bunka. "This is the first study that evaluates our technology in the delivery of nicotine through the GI tract, and we are optimistic that it may open a path for Lexaria to develop what could be the world's first safe method of nicotine ingestion through consumer products such as edibles, capsules, or beverages."

Additional research and development will be required both in animals and in humans for the development of consumer products delivering nicotine in edible or beverage formats. Given recent Company announcements that confirmed success for DehyrdaTECH^{TM} to preferentially enhance absorption of active ingredients through transdermal methods, Lexaria may also design a skin-based nicotine absorption study to determine if Lexaria's technology offers any delivery benefits when compared to existing transdermal nicotine delivery products.

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www.lexariabioscience.com


For regular updates, connect with Lexaria on Twitter (https://twitter.com/lexariacorp)


and on Facebook http://tinyurl.com/y8vzcaam

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