

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934  
(Amendment No. 2)\*

LEXARIA BIOSCIENCE CORP.

(Name of Issuer)

COMMON SHARES  
(Title of Class of Securities)

52886N406  
(CUSIP Number)

12/31/2023  
(Date of Event Which Requires Filing of This Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)  
 Rule 13d-1(c)  
 Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP No. 52886N406

<b>1</b>	NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY) Invenomic Capital Management LP	
<b>2</b>	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions)	(a) <input type="checkbox"/> (b) <input type="checkbox"/>
<b>3</b>	SEC USE ONLY	
<b>4</b>	CITIZENSHIP OR PLACE OF ORGANIZATION DE	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	<b>5</b>	SOLE VOTING POWER 731,981
	<b>6</b>	SHARED VOTING POWER
	<b>7</b>	SOLE DISPOSITIVE POWER 731,981
	<b>8</b>	SHARED DISPOSITIVE POWER
<b>9</b>	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 731,981	
<b>10</b>	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
<b>11</b>	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 7.12%	

**Item 1(a).** Name of Issuer:

LEXARIA BIOSCIENCE CORP.

**Item 1(b).** Address of Issuer's Principal Executive Offices:#107-740 McCurdy Road  
Kelowna BC Canada, V1X 2P7**Item 2(a).** Name of Person Filing:

Invenomic Capital Management LP

**Item 2(b).** Address of Principal Business Office or, if none, Residence:211 Congress Street, 8<sup>th</sup> Floor  
Boston, MA 02110**Item 2(c).** Citizenship:

Delaware, USA

**Item 2(d).** Title of Class of Securities:

Common Shares

**Item 2(e).** CUSIP Number: 52886N406**Item 3.** If this Statement is filed pursuant to 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

- (a)  Broker or dealer registered under Section 15 of the Act;
- (b)  Bank as defined in Section 3(a)(6) of the Act;
- (c)  Insurance company as defined in Section 3(a)(19) of the Act;
- (d)  Investment company registered under Section 8 of the Investment Company Act of 1940;
- (e)  An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);
- (h)  A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940;
- (j)  A non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J);
- (k)  Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J), please specify the type of institution:

**Item 4. Ownership.**

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount Beneficially Owned:
- (b) Percent of Class: 7.12%
- (c) Number of shares as to which such person has:
- |   |         |
|---|---------|
| (i) sole power to vote or to direct the vote:                 | 731,981 |
| (ii) shared power to vote or to direct the vote:              | 0       |
| (iii) sole power to dispose or to direct the disposition of:  | 731,981 |
| (iv) shared power to dispose or to direct the disposition of: | 0       |

**Item 5. Ownership of Five Percent or Less of a Class.**If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following .**Item 6. Ownership of More than Five Percent on Behalf of Another Person.**

Invenomic Capital Management LP ("Invenomic"), an investment adviser registered under Section 203 of the Investment Advisers Act of 1940, is deemed to be the beneficial owner of 731,981 shares, or 7.12%, of the common stock believed to be outstanding. Clients of Invenomic have the right to receive and the ultimate power to direct the receipt of dividends from or the proceeds of the sale of, such securities..

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.**

Not applicable.

**Item 8. Identification and Classification of Members of the Group.**

Not applicable.

**Item 9. Notice of Dissolution of Group.**

Not applicable.

**Item 10. Certification.**

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of and do not have the effect of changing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having such purpose or effect for the time being.

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**SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

February 14, 2024

\_\_\_\_\_  
Date

/s/ Benjamin Deschaine

\_\_\_\_\_  
Signature

Benjamin Deschaine, President and Chief  
Compliance Officer

\_\_\_\_\_  
Name/Title

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