

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| OMB APPROVAL | |
|--|-----------|
| OMB Number: | 3235-0287 |
| Estimated average burden hours per response: | 0.5 |

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See instruction 1(b).

Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.

| | | |
|--|--|--|
| 1. Name and Address of Reporting Person* <u>Bellemin Jean-Marc</u> (Last) (First) (Middle) C/O IOVANCE BIOTHERAPEUTICS, INC. 825 INDUSTRIAL ROAD, 4TH FLOOR (Street) SAN CARLOS CA 94070 (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>IOVANCE BIOTHERAPEUTICS, INC. [IOVA]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) Chief Financial Officer |
| | 3. Date of Earliest Transaction (Month/Day/Year) 09/03/2024 | |
| | 4. If Amendment, Date of Original Filed (Month/Day/Year) | |

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) | | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|---------|---|--|---|
| | | | Code | V | Amount | (A) or (D) | Price | | | |
| Common Stock ⁽¹⁾ | 09/03/2024 | | M | | 23,438 | A | \$0 | 41,239 ⁽²⁾ | D | |
| Common Stock ⁽³⁾ | 09/03/2024 | | F | | 11,891 | D | \$10.85 | 29,348 ⁽⁴⁾ | D | |

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) | |
|--|--|--------------------------------------|--|--------------------------------|---|--|--------|--|-----------------|---|--|--|---|--|-------|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | | | | | | Title |
| Restricted Stock Units | ⁽⁵⁾ | 09/03/2024 | | M | | | 23,438 | ⁽⁶⁾ | ⁽⁶⁾ | Common Stock | 23,438 | \$0.00 | 23,437 ⁽⁷⁾ | D | |

Explanation of Responses:

- Represents such shares underlying the restricted stock units ("RSUs") which vested on the transaction date.
- Represents common stock owned by the Reporting Person, excluding common stock purchased pursuant to the Issuer's 2020 Employee Stock Purchase Plan.
- Represents shares withheld by the Issuer to satisfy the mandatory tax withholding requirements upon vesting of the RSUs. This is not an open market sale of securities.
- Represents common stock remaining after deducting the common stock withheld for taxes.
- Each RSU represents a contingent right to receive one share of the Issuer's common stock.
- The remaining RSUs will vest on the one-year anniversary of the initial grant date, as provided in footnote 7.
- Such aggregate number reflects the remainder of such RSUs granted on March 1, 2024, but does not include any other RSUs held by such Reporting Person.

/s/ Jean-Marc Bellemin 09/05/2024
 ** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.