

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

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

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|--|--|---|
| 1. Name and Address of Reporting Person* <u>MIDDLETON FRED A</u> (Last) (First) (Middle) <u>C/O CALCIMEDICA, INC.</u> <u>505 COAST S. BLVD. #202</u> (Street) <u>LA JOLLA CA 92037</u> (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>CalciMedica, Inc. [CALC]</u> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below) |
| | 3. Date of Earliest Transaction (Month/Day/Year) <u>05/19/2023</u> | |
| | 4. If Amendment, Date of Original Filed (Month/Day/Year) | 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person |
| | Rule 10b5-1(c) Transaction Indication <input type="checkbox"/> Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10. | |

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 | 05/19/2023 | | P | | 10,000 | A | \$2.85 | 10,000 | D | |
| Common Stock | | | | | | | | 703,388 | I | By Sanderling Venture Partners VI, L.P. ⁽¹⁾ |
| Common Stock | | | | | | | | 582,757 | I | By Sanderling Venture Partners VI Co-Investment Fund, L.P. ⁽¹⁾ |
| Common Stock | | | | | | | | 17,682 | I | By Sanderling Ventures Management VI ⁽¹⁾ |
| Common Stock | | | | | | | | 7,456 | I | By Sanderling VI Beteligungs GmbH & Co KG ⁽¹⁾ |
| Common Stock | | | | | | | | 8,884 | I | By Sanderling VI Limited Partnership ⁽¹⁾ |
| Common Stock | | | | | | | | 240,676 | I | By Sanderling Ventures VII, L.P. ⁽²⁾ |
| Common Stock | | | | | | | | 14,425 | I | By Sanderling Ventures VII Annex Fund, L.P. ⁽²⁾ |
| Common Stock | | | | | | | | 63,228 | I | By Sanderling |

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 | | | |
| | | | | | | | | | | Ventures VII (Canada), L.P. ⁽²⁾ |
| Common Stock | | | | | | | | 1,548 | I | By Sanderling Ventures Management VII ⁽²⁾ |
| Common Stock | | | | | | | | 8,176 | I | By Golden Triangle Ventures, LLC ⁽³⁾ |

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 | | | | | |

Explanation of Responses:

- The Reporting Person, a director of Sanderling Ventures, may be deemed to beneficially own the securities of the Issuer held by Sanderling Venture Partners VI, LP, Sanderling Venture Partners VI Co-Investment Fund, LP, Sanderling VI Beteiligungs GmbH & Co. KG, Sanderling Ventures Management VI and Sanderling VI Limited Partnership (together, the "Sanderling VI Securities"). The Reporting Person disclaims beneficial ownership of the Sanderling VI Securities except to the extent of his pecuniary interest therein.
- The Reporting Person, a director of Sanderling Ventures, may be deemed to beneficially own the securities of the Issuer held by Sanderling Ventures VII, LP, Sanderling Ventures Management VII, Sanderling Ventures VII (Canada), LP and Sanderling Ventures VII Annex Fund, L.P. (together, the "Sanderling VII Securities"). The Reporting Person disclaims beneficial ownership of the Sanderling VII Securities except to the extent of his pecuniary interest therein.
- The Reporting Person is a managing member of Golden Triangle Ventures LLC and may be deemed to beneficially own the securities of the Issuer held by Golden Triangle Ventures LLC. The Reporting Person disclaims beneficial ownership of these securities except to the extent of his pecuniary interest therein.

Remarks:

By John Dunn, Attorney-in-Fact 05/22/2023

** 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.