

# FORM 4

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

| 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).

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

|   |  |  |  |  |  |   |  |  |
|---|--|--|--|--|--|---|--|--|
| 1. Name and Address of Reporting Person*<br><b>Bencich John</b> |  |  | 2. Issuer Name and Ticker or Trading Symbol<br><b>ACHIEVE LIFE SCIENCES, INC. [ACHV]</b> |  |  | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br>Director _____ 10% Owner _____<br><input checked="" type="checkbox"/> Officer (give title below) _____ Other (specify below) _____<br><div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">CFO</div> |  |  |
| (Last) (First) (Middle)<br>19820 NORTH CREEK PARKWAY, SUITE 201 |  |  | 3. Date of Earliest Transaction (Month/Day/Year)<br>09/08/2017                           |  |  |   |  |  |
| (Street)<br>BOTHHELL, WA 98011                                  |  |  | 4. If Amendment, Date Original Filed(Month/Day/Year)                                     |  |  | 6. Individual or Joint/Group Filing(Check Applicable Line)<br><input checked="" type="checkbox"/> Form filed by One Reporting Person<br><input type="checkbox"/> Form filed by More than One Reporting Person   |  |  |
| (City) (State) (Zip)  |  |  | <b>Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned</b>  |  |  |   |  |  |

| 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                    | 09/08/2017                           |  | M                              |   | 454   | (1)        | A     | \$ 0  | 1,507  | D   |  |
| Common Stock                    | 09/08/2017                           |  | F                              |   | 149   | (2)        | D     | \$ 3.09   | 1,358  | D   |  |

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

SEC 1474 (9-02)  
**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 control number.**

**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 Underlying Securities (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 of Derivative Security: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|--|--|--------------------------------------|--|--------------------------------|---|---|--|-----------------|---|----------------------------|--|--|--|--|
|  |  |                                      |  | Code                           | V |   | Date Exercisable   | Expiration Date | Title   | Amount or Number of Shares |  |  |  |  |
| Restricted Stock Unit (RSU)                | (3)  | 09/08/2017                           |  | M                              |   | 454   | (4)  | (5)             | Common Stock  | 454                        | \$ 0                                       | 455  | D  |  |

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |         |       |
|--|---------------|-----------|---------|-------|
|  | Director      | 10% Owner | Officer | Other |
| Bencich John<br>19820 NORTH CREEK PARKWAY<br>SUITE 201<br>BOTHHELL, WA 98011 |               |           | CFO     |       |

## Signatures

|   |            |
|---|------------|
| Sandra Thomson as attorney-in-fact for John Bencich | 09/12/2017 |
|---|------------|

## Explanation of Responses:

- \* 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).
- (1) Represents shares of common stock acquired upon settlement of the restricted stock units ("RSUs") listed in Table II.
- (2) Represents shares of common stock that have been withheld by the issuer to satisfy its income tax withholding obligations in connection with the net settlement of RSUs and does not represent a sale by the reporting person.
- (3) Each restricted stock unit (RSU) represents a contingent right to receive one share of the issuer's common stock at settlement.
- (4) Pursuant to the terms of the RSU, 25% of the total shares underlying the RSU vest annually on the later of: (i) each anniversary of August 12, 2014 and (ii) the first day thereafter during which the issuer's trading window is open.
- (5) The RSUs expire 30 days from the date they vest.

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

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