**Form 4**

**United States Securities and Exchange Commission**

**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**
   - **Apple Tree Partners II LP**
   - 230 Park Avenue, Suite 2800
   - New York, NY 10169

2. **Issuer Name and Ticker or Trading Symbol**
   - Aileron Therapeutics Inc [ALRN]

3. **Date of Earliest Transaction (Month/Day/Year)**
   - 06/20/2018

4. **Number of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)**
   - Common Stock: 5,200 @ $5.3007 = $27,162.40
   - Common Stock: 1,447 @ $5.3 = $7,604.11

5. **Nature of Indirect Beneficial Ownership (Instr. 4)**
   - D (1)

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

<table>
<thead>
<tr>
<th>Security</th>
<th>Date</th>
<th>Amount</th>
<th>Price</th>
<th>Code V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>06/20/2018</td>
<td>5,200</td>
<td>$5.3007</td>
<td>S</td>
</tr>
<tr>
<td>Common Stock</td>
<td>06/21/2018</td>
<td>1,447</td>
<td>$5.3</td>
<td>S</td>
</tr>
</tbody>
</table>

### Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

<table>
<thead>
<tr>
<th>Security</th>
<th>Date</th>
<th>Amount</th>
<th>Code V</th>
<th>(A)</th>
<th>(D)</th>
<th>Date Exercisable</th>
<th>Expiration Date</th>
<th>Title</th>
<th>Amount or Number of Shares</th>
</tr>
</thead>
<tbody>
<tr>
<td>(e.g., puts, calls, warrants, options, convertible securities)</td>
<td></td>
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</tbody>
</table>

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**Explanation of Responses:**

1. Dr. Seth L. Harrison is the general partner of Apple Tree Ventures II, L.P., the general partner of Apple Tree Partners II, L.P., and Dr. Harrison disclaims beneficial ownership of the shares held by Apple Tree Partners II, L.P., except to the extent of his pecuniary interest therein. Dr. Harrison has sole voting and investment power over the shares held by Apple Tree Partners II, L.P.

**Remarks:**

/s/ Seth Harrison, General Partner of Apple Tree Ventures II, L.P., General Partner of Apple Tree Partners II, L.P.

**Signature of Reporting Person**

06/21/2018

**Date**

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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).


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.