

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

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

|   |   |   |   |
|---|---|---|---|
| 1. Name and Address of Reporting Person*<br><u>Northpond Capital GP, LLC</u><br><hr/> (Last) (First) (Middle)<br>7500 OLD GEORGETOWN ROAD<br>SUITE 850<br><hr/> (Street)<br>BETHESDA MD 20814<br><hr/> (City) (State) (Zip) | 2. Date of Event Requiring Statement (Month/Day/Year)<br>10/07/2021 | 3. Issuer Name and Ticker or Trading Symbol<br><u>IsoPlexis Corp [ ISO ]</u>  |   |
|   |   | 4. Relationship of Reporting Person(s) to Issuer (Check all applicable)<br>Director <input checked="" type="checkbox"/> 10% Owner<br>Officer (give title below) Other (specify below) | 5. If Amendment, Date of Original Filed (Month/Day/Year)<br><hr/> 6. Individual or Joint/Group Filing (Check Applicable Line)<br>Form filed by One Reporting Person<br><input checked="" type="checkbox"/> Form filed by More than One Reporting Person |

**Table I - Non-Derivative Securities Beneficially Owned**

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
|---------------------------------|---|--|---|

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

| 1. Title of Derivative Security (Instr. 4)        | 2. Date Exercisable and Expiration Date (Month/Day/Year) |                 | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) |                            | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---|--|-----------------|---|----------------------------|--|--|---|
|   | Date Exercisable   | Expiration Date | Title   | Amount or Number of Shares |  |  |   |
| Series C Redeemable Convertible Preferred Stock   | (1)  | (1)             | Common Stock  | 2,302,280                  | (1)  | I  | See footnote <sup>(2)</sup>                           |
| Series C-2 Redeemable Convertible Preferred Stock | (1)  | (1)             | Common Stock  | 2,473,048                  | (1)  | I  | See footnote <sup>(2)</sup>                           |
| Series D Redeemable Convertible Preferred Stock   | (1)  | (1)             | Common Stock  | 1,528,864                  | (1)  | I  | See footnote <sup>(2)</sup>                           |
| Series D Redeemable Convertible Preferred Stock   | (1)  | (1)             | Common Stock  | 1,040,048                  | (1)  | I  | See footnote <sup>(3)</sup>                           |

|   |
|---|
| 1. Name and Address of Reporting Person*<br><u>Northpond Capital GP, LLC</u><br><hr/> (Last) (First) (Middle)<br>7500 OLD GEORGETOWN ROAD<br>SUITE 850<br><hr/> (Street)<br>BETHESDA MD 20814<br><hr/> (City) (State) (Zip) |
|---|

|  |
|--|
| 1. Name and Address of Reporting Person*<br><u>Northpond Capital, L.P.</u><br><hr/> (Last) (First) (Middle)<br>7500 OLD GEORGETOWN ROAD<br>SUITE 850 |
|--|

|  |         |          |
|--|---------|----------|
| (Street)                                   |         |          |
| BETHESDA                                   | MD      | 20814    |
| <hr/>                                      |         |          |
| (City)                                     | (State) | (Zip)    |
| 1. Name and Address of Reporting Person*   |         |          |
| <a href="#">Northpond Ventures GP, LLC</a> |         |          |
| <hr/>                                      |         |          |
| (Last)                                     | (First) | (Middle) |
| 7500 OLD GEORGETOWN ROAD                   |         |          |
| SUITE 850                                  |         |          |
| <hr/>                                      |         |          |
| (Street)                                   |         |          |
| BETHESDA                                   | MD      | 20814    |
| <hr/>                                      |         |          |
| (City)                                     | (State) | (Zip)    |
| 1. Name and Address of Reporting Person*   |         |          |
| <a href="#">Northpond Ventures, LP</a>     |         |          |
| <hr/>                                      |         |          |
| (Last)                                     | (First) | (Middle) |
| 7500 OLD GEORGETOWN ROAD                   |         |          |
| SUITE 850                                  |         |          |
| <hr/>                                      |         |          |
| (Street)                                   |         |          |
| BETHESDA                                   | MD      | 20814    |
| <hr/>                                      |         |          |
| (City)                                     | (State) | (Zip)    |
| 1. Name and Address of Reporting Person*   |         |          |
| <a href="#">Rubin Michael P.</a>           |         |          |
| <hr/>                                      |         |          |
| (Last)                                     | (First) | (Middle) |
| C/O NORTHPOND VENTURES                     |         |          |
| 7500 OLD GEORGETOWN ROAD, SUITE 850        |         |          |
| <hr/>                                      |         |          |
| (Street)                                   |         |          |
| BETHESDA                                   | MD      | 20814    |
| <hr/>                                      |         |          |
| (City)                                     | (State) | (Zip)    |

**Explanation of Responses:**

- Each share of the Series C Redeemable Convertible Preferred Stock, Series C-2 Redeemable Convertible Preferred Stock and Series D Redeemable Convertible Preferred Stock is convertible at any time, at the Reporting Persons' election, on a one-for-8 basis, and will convert automatically upon the Issuer's consummation of an initial public offering. The number of shares held is shown on an as-converted to common stock basis. The preferred stock has no expiration date.
- The securities are held directly by Northpond Ventures, LP ("Northpond"). Northpond Ventures GP, LLC ("Northpond GP") is the general partner of Northpond. Michael P. Rubin ("Rubin") is the managing member of Northpond GP.
- The securities are held directly by Northpond Capital, LP ("Northpond Capital"). Northpond Capital GP, LLC ("Northpond Capital GP") is the general partner of Northpond Capital. Rubin is the managing member of Northpond Capital GP.

**Remarks:**

[Northpond Capital GP, LLC, By: /s/ Patrick Smerkers, Senior Vice President, Finance and Operations](#) 10/07/2021

[Northpond Capital, LP, By: Northpond Capital GP, LLC, its general partner, By: /s/ Patrick Smerkers, Senior Vice President, Finance and Operations](#) 10/07/2021

[Northpond Ventures GP, LLC, By: /s/ Patrick Smerkers, Senior Vice](#) 10/07/2021

President, Finance and  
Operations

Northpond Ventures, LP,  
By: Northpond Ventures  
GP, LLC, its general

partner, By: /s/ Patrick  
Smerkers, Senior Vice  
President, Finance and  
Operations

10/07/2021

/s/ Michael P. Rubin

10/07/2021

\*\* 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 5 (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.**