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

SCHEDULE 13G

**Under the Securities Exchange Act of 1934
(Amendment No.)***

Heliogen, Inc.
(Name of Issuer)

Common Stock, Par value \$0.0001 per share
(Title of Class of Securities)

42329E105
(CUSIP Number)

December 31, 2021
(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
 Rule 13d-1(c)
 Rule 13d-1(d)

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP No. 42329E105

(1)	NAMES OF REPORTING PERSONS Nant Capital LLC	
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
(3)	SEC USE ONLY	
(4)	SOURCE OF FUNDS (see instructions) SC, AF	
(5)	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) or 2(e) <input type="checkbox"/>	
(6)	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	(7)	SOLE VOTING POWER None (See Item 4)
	(8)	SHARED VOTING POWER 24,646,323 shares (See Item 4)
	(9)	SOLE DISPOSITIVE POWER None (See Item 4)
	(10)	SHARED DISPOSITIVE POWER 24,646,323 shares (See Item 4)
(11)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 24,646,323 shares (See Item 4)	
(12)	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
(13)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 13.4% (See Item 4)*	
(14)	TYPE OF REPORTING PERSON (see instructions) PN	

* This percentage is calculated based upon (x) 24,646,323 shares of the Issuer's Common Stock beneficially owned by the Reporting Person, divided by (y) 183,367,037 shares of Common Stock issued and outstanding as of December 30, 2021.

CUSIP No. 42329E105

(1)	NAMES OF REPORTING PERSONS California Capital Equity, LLC	
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
(3)	SEC USE ONLY	
(4)	SOURCE OF FUNDS (see instructions) SC, AF	
(5)	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) or 2(e) <input type="checkbox"/>	
(6)	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	(7)	SOLE VOTING POWER None (See Item 4)
	(8)	SHARED VOTING POWER 24,646,323 shares (See Item 4)
	(9)	SOLE DISPOSITIVE POWER None (See Item 4)
	(10)	SHARED DISPOSITIVE POWER 24,646,323 shares (See Item 4)
(11)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 24,646,323 shares (See Item 4)	
(12)	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
(13)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 13.4% (See Item 4)*	
(14)	TYPE OF REPORTING PERSON (see instructions) OO	

* This percentage is calculated based upon (x) 24,646,323 shares of the Issuer's Common Stock beneficially owned by the Reporting Person, divided by (y) 183,367,037 shares of Common Stock issued and outstanding as of December 30, 2021.

CUSIP No. 42329E105

(1)	NAMES OF REPORTING PERSONS Patrick Soon-Shiong	
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructions) (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
(3)	SEC USE ONLY	
(4)	SOURCE OF FUNDS (see instructions) PF, AF	
(5)	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) or 2(e) <input type="checkbox"/>	
(6)	CITIZENSHIP OR PLACE OF ORGANIZATION United States of America	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	(7)	SOLE VOTING POWER 1,011,663 (See Item 4)
	(8)	SHARED VOTING POWER 24,646,323 shares (See Item 4)
	(9)	SOLE DISPOSITIVE POWER 1,011,663 (See Item 4)
	(10)	SHARED DISPOSITIVE POWER 24,646,323 shares (See Item 4)
(11)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 25,657,986 shares	
(12)	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
(13)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 14.0%*	
(14)	TYPE OF REPORTING PERSON (see instructions) IN	

* This percentage is calculated based upon (x) 25,657,986 shares of the Issuer's Common Stock beneficially owned by the Reporting Person, divided by (y) 183,367,037 shares of Common Stock issued and outstanding as of December 30, 2021.

Item 1.

- (a) Name of Issuer:
Heliogen, Inc.
- (b) Address of Issuer's Principal Executive Offices:
130 West Union Street
Pasadena, California 91103

Item 2.

- (a) Name of Persons Filing:
Nant Capital LLC ("Nant Capital"), California Capital Equity, LLC ("Cal Cap") and Patrick Soon-Shiong. Cal Cap directly owns all of the equity interests of Nant Capital. Dr. Soon-Shiong directly owns all of the equity interests of Cal Cap and has voting and dispositive power over shares held by Nant Capital. Cal Cap owns all of the equity interests in Nant Capital and thus may be deemed to control Nant Capital. Dr. Soon-Shiong is the sole member of Cal Cap and thus may be deemed to control Cal Cap. Each of Nant Capital, Cal Cap and Dr. Soon-Shiong may be referred to herein as a "Reporting Person."
- (b) Address of Principal Business Office or, if none, Residence:
9922 Jefferson Boulevard
Culver City, CA 90232
- (c) Citizenship:
Nant Capital and Cal Cap are limited liability companies organized under the laws of State of Delaware. Dr. Soon-Shiong is a U.S. citizen.
- (d) Title of Class of Securities:
Common Stock, \$0.0001 par value per share
- (e) CUSIP Number:
42329E105

Item 3. If this statement is filed pursuant to Rules 13d-1(b), or 13d-2(b) or (c), check whether the person filing is a:

Not applicable.

Item 4. Ownership.

- (a) Amount beneficially owned:
Nant Capital may be deemed to beneficially own an aggregate of 24,646,323 shares of the Issuer's common stock.
Cal Cap may be deemed to beneficially own an aggregate of 24,646,323 shares of the Issuer's common stock.
Dr. Soon-Shiong may be deemed to beneficially own an aggregate of 25,657,986 shares of the Issuer's common stock.
- (b) Percent of class:
13.4%-Nant Capital
13.4%-Cal Cap
14.0%-Dr. Soon-Shiong

Each of the ownership percentages above is calculated by dividing (a) the total number of shares of the Issuer's common stock being reported in this Statement for the respective Reporting Person by (b) the number of shares of the Issuer's common stock outstanding on December 30, 2021 (183,367,037), based on information publicly disclosed by the Issuer.

(c) Number of shares as to which the person has:

(i) Sole power to vote or to direct the vote

Dr. Soon-Shiong--1,011,663.

(ii) Shared power to vote or to direct the vote

Nant Capital: 24,646,323 shares

Cal Cap: 24,646,323 shares

Patrick Soon-Shiong: 25,657,986 shares

(iii) Sole power to dispose or to direct the disposition of

Dr. Soon-Shiong--1,011,663.

(iv) Shared power to dispose or to direct the disposition of

Nant Capital: 24,646,323 shares

Cal Cap: 24,646,323 shares

Patrick Soon-Shiong: 25,657,986 shares

Item 5. Ownership of Five Percent or Less of a Class.

Not applicable.

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Not applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person.

Not applicable.

Item 8. Identification and Classification of Members of the Group.

Not applicable.

Item 9. Notice of Dissolution of Group.

Not applicable.

Item 10. Certifications.

Not applicable.

SIGNATURE

After reasonable inquiry and to the best of the knowledge and belief of the undersigned, the information set forth in this statement is true, complete and correct.

Dated: February 23, 2022

NANT CAPITAL LLC

By: /s/ Charles Kenworthy

Its: Manager

CALIFORNIA CAPITAL EQUITY, LLC

By: /s/ Charles Kenworthy

Its: Manager

PATRICK SOON-SHIONG

/s/ Patrick Soon-Shiong

Exhibit Index

**Exhibit
Number**

Description

1 Joint Filing Agreement, dated as of February 23, 2022, by and among Nant Capital LLC, California Capital Equity, LLC, and Patrick Soon-Shiong.

JOINT FILING AGREEMENT

This JOINT FILING AGREEMENT is entered into as of February 23, 2022 by and among the signatories hereto. The undersigned hereby agree that the Statement on Schedule 13G with respect to the shares of common stock, par value \$0.0001 per share of Heliogen, Inc., a Delaware corporation, is, and any amendment thereafter signed by each of the undersigned shall be, filed on behalf of each undersigned pursuant to and in accordance with the provisions of 13d-1(k) under the Securities Exchange Act of 1934, as amended.

Dated: February 23, 2022

NANT CAPITAL LLC

By: /s/ Charles Kenworthy
Its: Manager

CALIFORNIA CAPITAL EQUITY, LLC

By: /s/ Charles Kenworthy
Its: Manager

PATRICK SOON-SHIONG

/s/ Patrick Soon-Shiong