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

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**SCHEDULE 13D**

**Under the Securities Exchange Act of 1934  
(Amendment No. 1)\***

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**Disc Medicine, Inc.**  
(Name of Issuer)

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

**254604101**  
(CUSIP Number)

**Alejandro Moreno  
Langhorne S. Perrow  
c/o Access Industries, Inc.  
40 West 57<sup>th</sup> Street, 28th Floor  
New York, New York 10019  
(212) 247-6400**

*with copies to:*

**Nicholas P. Pellicani  
Debevoise & Plimpton LLP  
65 Gresham Street  
EC2V 7NQ  
London  
+ 44 20 7786 9000**

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

**February 15, 2023**  
(Date of Event which Requires Filing of this Statement)

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If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of Rules 13d-1(e), 13d-1(f) or 13d-1(g), check the following box.

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1	NAME OF REPORTING PERSON. AI DMI LLC	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS (SEE INSTRUCTIONS) SC, AF	
5	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION State of Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER 3,141,759 shares
	8	SHARED VOTING POWER 0 shares
	9	SOLE DISPOSITIVE POWER 3,141,759 shares
	10	SHARED DISPOSITIVE POWER 0 shares
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,141,759 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); 16.64% <sup>(1)</sup>	
14	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) OO (Limited Liability Company)	

- (1) Based on 18,882,850 shares of Common Stock outstanding, as of February 15, 2023, as reported in the Issuer's Prospectus Supplement pursuant to Rule 424(b)(5) filed with the Securities and Exchange Commission (the "SEC") on February 14, 2023, and after giving effect to the Issuer's offering of Common Stock.

1	NAME OF REPORTING PERSON. Access Industries Holdings LLC	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS (SEE INSTRUCTIONS) SC, AF	
5	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 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 0 shares
	8	SHARED VOTING POWER 3,141,759 shares
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1	NAME OF REPORTING PERSON. Access Industries Management, LLC	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS (SEE INSTRUCTIONS) SC, AF	
5	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION State of Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER 0 shares
	8	SHARED VOTING POWER 3,141,759 shares
	9	SOLE DISPOSITIVE POWER 0 shares
	10	SHARED DISPOSITIVE POWER 3,141,759 shares
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,141,759 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); 16.64% <sup>(1)</sup>	
14	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) OO (Limited Liability Company)	

- (1) Based on 18,882,850 shares of Common Stock outstanding, as of February 15, 2023, as reported in the Issuer's Prospectus Supplement pursuant to Rule 424(b)(5) filed with the SEC on February 14, 2023, and after giving effect to the Issuer's offering of Common Stock.

1	NAME OF REPORTING PERSON. Len Blavatnik	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS (SEE INSTRUCTIONS) SC, AF	
5	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 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 0 shares
	8	SHARED VOTING POWER 3,141,759 shares
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13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11); 16.64% <sup>(1)</sup>	
14	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) IN	

- (1) Based on 18,882,850 shares of Common Stock outstanding, as of February 15, 2023, as reported in the Issuer's Prospectus Supplement pursuant to Rule 424(b)(5) filed with the SEC on February 14, 2023, and after giving effect to the Issuer's offering of Common Stock.

This Amendment No. 1 to Schedule 13D is being filed by AI DMI LLC (“AI DMI”), Access Industries Holdings LLC (“AIH”), Access Industries Management, LLC (“AIM”) and Len Blavatnik (collectively, the “Reporting Persons”, and each, a “Reporting Person”), in respect of the common stock, par value \$0.0001 per share (the “Common Stock”), of Disc Medicine, Inc. (the “Issuer”). The shares of Common Stock of the Issuer are listed on the Nasdaq Global Market under the symbol “IRON.”

The Schedule 13D filed by the Reporting Persons with the Securities and Exchange Commission (the “SEC”) on January 9, 2023 (the “Schedule”), is hereby amended and supplemented by the Reporting Persons as set forth below in this Amendment No. 1. This amendment is filed by the Reporting Persons in accordance with Rule 13d-2 of the Securities Exchange Act of 1934, as amended, and refers only to information that has materially changed since the filing of the Schedule. The items identified below, or the particular paragraphs of such items which are identified below, are amended as set forth below. Unless otherwise indicated, all capitalized terms used and not defined herein have the respective meanings assigned to them in the Schedule.

**Item 3 Source and Amount of Funds or Other Considerations**

The disclosure in Item 3 to the Schedule is hereby supplemented by adding the following at the end thereof:

On February 15, 2023, AI DMI purchased an aggregate of 434,783 shares of Common Stock, at a purchase price of \$23.00 per share pursuant to the prospectus filed with the SEC pursuant to Rule 424(b)(5) in a registered direct offering (the “Offering”). AI DMI funded the purchase of such shares using capital contributed from affiliated entities, which funded that capital using cash on hand.

**Item 5 Interest in Securities of the Issuer**

Item 5 to the Schedule is hereby amended and restated as follows:

(a) and (b) The responses of each of the Reporting Persons with respect to Rows 11, 12, and 13 of the cover pages of this Schedule 13D that relate to the aggregate number and percentage of Common Stock (including but not limited to footnotes to such information) are incorporated herein by reference.

The responses of each of the Reporting Persons with respect to Rows 7, 8, 9, and 10 of the cover pages of this Schedule 13D that relate to the number of shares of Common Stock as to which each of the persons or entities referenced in Item 2 above has sole or shared power to vote or to direct the vote of and sole or shared power to dispose of or to direct the disposition of (including but not limited to footnotes to such information) are incorporated herein by reference.

3,141,759 shares of Common Stock are owned directly by AI DMI and may be deemed to be beneficially owned by AIH, AIM and Mr. Blavatnik because (i) Len Blavatnik controls AIM and holds a majority of the outstanding voting interests in AIH, (ii) AIM controls AIH and (iii) AIH indirectly controls all of the outstanding voting interests in AI DMI. Each of the Reporting Persons (other than AI DMI), and each of their affiliated entities and the officers, partners, members and managers thereof, disclaims beneficial ownership of these securities.

(c) The following transactions in the Issuer’s securities have been effected by Reporting Persons within the 60 days prior to this filing:

The information set forth in Item 3 of this Schedule 13D is incorporated herein by reference.

(d) Not applicable.

(e) Not applicable.

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**Item 6      Contracts, Arrangements, Understandings or Relationships With Respect to Securities of the Issuer**

Item 6 of the Schedule is hereby supplemented by adding the following at the end thereof:

***Securities Purchase Agreement***

On February 13, 2023, AI DMI entered into a securities purchase agreement (the “Purchase Agreement”) with the Issuer and the other investors identified therein. Pursuant to the Purchase Agreement, the Issuer agreed to sell and issue to AI DMI, and AI DMI agreed to purchase, an aggregate of 434,783 shares of Common Stock, at a purchase price of \$23.00 per share in the Offering.

The foregoing description of the Purchase Agreement does not purport to be complete and is qualified in its entirety by reference to the Purchase Agreement, which is filed as Exhibit 99.5 and incorporated herein by reference.

**Item 7      Materials to Be Filed as Exhibits**

The disclosure in Item 7 is hereby supplemented by adding the following in appropriate numerical order:

<b>Exhibit</b>	<b>Description</b>
99.5	Securities Purchase Agreement, dated as of February 13, 2023, by and among Disc Medicine, Inc. and the investors identified therein (incorporated by reference to Exhibit 10.1 to the Issuer’s Current Report on Form 8-K filed with the Securities and Exchange Commission on February 14, 2023).
99.6	Joint Filing Agreement, dated as of February 16, 2023.

**SIGNATURE**

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

Date: February 17th, 2023

AI DMI LLC

By: Access Industries Management, LLC, its Manager

/s/ Alejandro Moreno

Name: Alejandro Moreno

Title: Executive Vice President

ACCESS INDUSTRIES HOLDINGS LLC

By: Access Industries Management LLC, its Manager

/s/ Alejandro Moreno

Name: Alejandro Moreno

Title: Executive Vice President

ACCESS INDUSTRIES MANAGEMENT, LLC

/s/ Alejandro Moreno

Name: Alejandro Moreno

Title: Executive Vice President

/s/ \*

Name: Leonard Blavatnik

\* The undersigned, by signing his name hereto, executes this Schedule 13D pursuant to the Limited Power of Attorney executed on behalf of Mr. Blavatnik and filed herewith.

By: /s/ Alejandro Moreno

Name: Alejandro Moreno

Attorney-in-Fact



**Joint Filing Agreement**

The undersigned hereby agree that they are filing this statement jointly pursuant to Rule 13d-1(k)(1). Each of them is responsible for the timely filing of such Schedule 13D and any amendments thereto, and for the completeness and accuracy of the information concerning such person contained therein; but none of them is responsible for the completeness or accuracy of the information concerning the other persons making the filing, unless such person knows or has reason to believe that such information is inaccurate.

In accordance with Rule 13d-1(k)(1) promulgated under the Securities Exchange Act of 1934, as amended, the undersigned hereby agree to the joint filing with each other on behalf of each of them of such a statement on Schedule 13D (and any amendments thereto) with respect to the shares of Common Stock owned by each of them, of Disc Medicine, Inc., a corporation incorporated under the laws of the State of Delaware. This Joint Filing Agreement shall be included as an exhibit to such Schedule 13D.

*[Signature Page Follows]*

IN WITNESS WHEREOF, the undersigned hereby execute this Joint Filing Agreement as of the 17th day of February, 2023.

AI DMI LLC

By: Access Industries Management, LLC, its Manager

/s/ Alejandro Moreno

Name: Alejandro Moreno

Title: Executive Vice President

ACCESS INDUSTRIES HOLDINGS LLC

By: Access Industries Management LLC, its Manager

/s/ Alejandro Moreno

Name: Alejandro Moreno

Title: Executive Vice President

ACCESS INDUSTRIES MANAGEMENT, LLC

/s/ Alejandro Moreno

Name: Alejandro Moreno

Title: Executive Vice President

/s/ \*

Name: Len Blavatnik

\* The undersigned, by signing his name hereto, executes this Joint Filing Agreement pursuant to the Limited Power of Attorney executed on behalf of Mr. Blavatnik and filed herewith.

By: /s/ Alejandro Moreno

Name: Alejandro Moreno

Attorney-in-Fact