
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934
(Amendment No. 1)*

Arcadia Biosciences, Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

039014204

(CUSIP Number)

12/31/2024

(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)

SCHEDULE 13G

CUSIP No. 039014204

Names of Reporting Persons

1 SABBY MANAGEMENT, LLC

Check the appropriate box if a member of a Group (see instructions)

- 2 (a)
 (b)

3 Sec Use Only

Citizenship or Place of Organization

4 DELAWARE

	Sole Voting Power
5	0.00
Number of Shares Beneficially Owned by Each Reporting Person With:	Shared Voting Power
6	68,111.00
	Sole Dispositive Power
7	0.00
	Shared Dispositive Power
8	68,111.00
9	Aggregate Amount Beneficially Owned by Each Reporting Person
	68,111.00
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)
	<input type="checkbox"/>
11	Percent of class represented by amount in row (9)
	4.9 %
12	Type of Reporting Person (See Instructions)
	OO

SCHEDULE 13G

CUSIP No. 039014204

1	Names of Reporting Persons
	SABBY VOLATILITY WARRANT MASTER FUND LTD
	Check the appropriate box if a member of a Group (see instructions)
2	<input type="checkbox"/> (a)
	<input checked="" type="checkbox"/> (b)
3	Sec Use Only
4	Citizenship or Place of Organization
	CAYMAN ISLANDS
	Sole Voting Power
5	0.00
Number of Shares Beneficially Owned by Each Reporting Person With:	Shared Voting Power
6	68,111.00
	Sole Dispositive Power
7	0.00
	Shared Dispositive Power
8	68,111.00
9	Aggregate Amount Beneficially Owned by Each Reporting Person
	68,111.00
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)
	<input type="checkbox"/>

11 Percent of class represented by amount in row (9)
4.9 %
Type of Reporting Person (See Instructions)
12 OO

SCHEDULE 13G

CUSIP No. 039014204

Names of Reporting Persons

1 HAL MINTZ
Check the appropriate box if a member of a Group (see instructions)

2 (a)
 (b)

3 Sec Use Only

Citizenship or Place of Organization

4 FLORIDA

Sole Voting Power

5 0.00

Number of Shares Beneficially Owned by Each Reporting Person With:

6 Shared Voting Power

68,111.00

Sole Dispositive Power

7 0.00

8 Shared Dispositive Power

68,111.00

Aggregate Amount Beneficially Owned by Each Reporting Person

9 68,111.00

Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)

Percent of class represented by amount in row (9)

11 4.9 %

Type of Reporting Person (See Instructions)

12 IN

SCHEDULE 13G

Item 1.

Name of issuer:

(a) Arcadia Biosciences, Inc.

Address of issuer's principal executive offices:

(b) 202 COUSTEAU PLACE, 202 COUSTEAU PLACE, DAVIS, CALIFORNIA, 95618

Item 2.

Name of person filing:

- (a) Sabby Volatility Warrant Master Fund, Ltd. Sabby Management, LLC Hal Mintz

Address or principal business office or, if none, residence:

- (b) Sabby Volatility Warrant Master Fund, Ltd. c/o Captiva (Cayman) Ltd Governors Square, Bldg 4, 2nd Floor 23 Lime Tree Bay Avenue P.O. Box 32315 Grand Cayman KY1-1209 Cayman Islands Sabby Management, LLC 7012 Fisher Island Dr. Miami Beach, FL 33109 Hal Mintz c/o Sabby Management, LLC 7012 Fisher Island Dr. Miami Beach, FL 33109

Citizenship:

- (c) Sabby Volatility Warrant Master Fund, Ltd. - Cayman Islands Sabby Management, LLC - Delaware, USA Hal Mintz - USA

Title of class of securities:

- (d) Common Stock

CUSIP No.:

- (e) 039014204

Item 3. If this statement is filed pursuant to §§ 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

- (a) Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);
- (b) Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);
- (c) Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);
- (d) Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);
- (e) An investment adviser in accordance with § 240.13d-1(b)(1)(ii)(E);
- (f) An employee benefit plan or endowment fund in accordance with § 240.13d-1(b)(1)(ii)(F);
- (g) A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);
- (h) A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i) A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j) A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J). If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), please specify the type of institution:
- (k) Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K).

Item 4. Ownership

Amount beneficially owned:

- (a) Sabby Volatility Warrant Master Fund, Ltd. - 68,111 Sabby Management, LLC - 68,111 Hal Mintz - 68,111
Percent of class:

- (b) Sabby Volatility Warrant Master Fund, Ltd. - 4.9% Sabby Management, LLC - 4.9% Hal Mintz - 4.9% %

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

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

0

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

68,111

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

0

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

68,111

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

Ownership of 5 percent or less of a class

Item 6. Ownership of more than 5 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:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under § 240.14a-11.

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.

SABBY MANAGEMENT, LLC

Signature: /S/ ROBERT GRUNDSTEIN

Name/Title: COO

Date: 01/03/2025

SABBY VOLATILITY WARRANT MASTER FUND LTD

Signature: /S/ ROBERT GRUNDSTEIN

Name/Title: COO OF INVESTMENT MANAGER

Date: 01/03/2025

HAL MINTZ

Signature: /S/ HAL MINTZ

Name/Title: HAL MINTZ

Date: 01/03/2025