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**SECURITIES AND EXCHANGE COMMISSION**

Washington, DC 20549

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**SCHEDULE 13G**

(Rule 13d-102)

(Amendment No.)

**INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO  
RULES 13d-1(b), (c) AND (d) AND AMENDMENTS THERETO FILED  
PURSUANT TO RULE 13d-2(b)**

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**ENSYSCE BIOSCIENCES, INC.**

(Name of Issuer)

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

293602405  
(CUSIP Number)

September 30, 2024  
(Date of Event Which Requires Filing of this Statement)

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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)
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1	NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)	
	Anson Funds Management LP	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION  Texas	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER  0
	6	SHARED VOTING POWER  983,548
	7	SOLE DISPOSITIVE POWER  0
	8	SHARED DISPOSITIVE POWER  983,548
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  983,548	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*  <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9  7.1% **	
12	TYPE OF REPORTING PERSON*  IA, PN	

\* SEE INSTRUCTIONS BEFORE FILLING OUT

\*\* SEE ITEM 4(b).

1	NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)	
	Anson Management GP LLC	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION  Texas	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER  0
	6	SHARED VOTING POWER  983,548
	7	SOLE DISPOSITIVE POWER  0
	8	SHARED DISPOSITIVE POWER  983,548
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  983,548	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*  <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9  7.1% **	
12	TYPE OF REPORTING PERSON*  HC, OO	

\* SEE INSTRUCTIONS BEFORE FILLING OUT

\*\* SEE ITEM 4(b).

1	NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)	
	Tony Moore	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION  United States Citizen	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER  0
	6	SHARED VOTING POWER  983,548
	7	SOLE DISPOSITIVE POWER  0
	8	SHARED DISPOSITIVE POWER  983,548
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  983,548	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*  <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9  7.1% **	
12	TYPE OF REPORTING PERSON*  HC, IN	

\* SEE INSTRUCTIONS BEFORE FILLING OUT

\*\* SEE ITEM 4(b).

1	NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)	
	Anson Advisors Inc.	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION Ontario, Canada	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0
	6	SHARED VOTING POWER 983,548
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 983,548
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 983,548	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 7.1% **	
12	TYPE OF REPORTING PERSON* FI, CO	

\* SEE INSTRUCTIONS BEFORE FILLING OUT

\*\* SEE ITEM 4(b).

1	NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)	
	Amin Nathoo	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION  Canadian Citizen	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER  0
	6	SHARED VOTING POWER  983,548
	7	SOLE DISPOSITIVE POWER  0
	8	SHARED DISPOSITIVE POWER  983,548
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  983,548	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*  <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9  7.1% **	
12	TYPE OF REPORTING PERSON*  HC, IN	

\* SEE INSTRUCTIONS BEFORE FILLING OUT

\*\* SEE ITEM 4(b).

1	NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)	
	Moez Kassam	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION  Canadian Citizen	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER  0
	6	SHARED VOTING POWER  983,548
	7	SOLE DISPOSITIVE POWER  0
	8	SHARED DISPOSITIVE POWER  983,548
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  983,548	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*  <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9  7.1% **	
12	TYPE OF REPORTING PERSON*  HC, IN	

\* SEE INSTRUCTIONS BEFORE FILLING OUT

\*\* SEE ITEM 4(b).

### **SCHEDULE 13G**

This Schedule 13G (the "Schedule 13G") is being filed on behalf of Anson Funds Management LP (d/b/a Anson Funds), a Texas limited partnership, Anson Management GP LLC, a Texas limited liability company, Mr. Tony Moore, the principal of Anson Funds Management LP and Anson Management GP LLC, Anson Advisors Inc., an Ontario, Canada corporation, Mr. Amin Nathoo, a director of Anson Advisors Inc., and Mr. Moez Kassam, a director of Anson Advisors Inc., relating to Common Stock, \$0.0001 par value (the "Common Stock"), of Ensysce Biosciences, Inc., a Delaware corporation (the "Issuer").

This Schedule 13G relates to the Common Stock of the Issuer purchased by a private fund to which Anson Funds Management LP and Anson Advisors Inc. serve as co-investment advisors (the "Fund"). Anson Funds Management LP and Anson Advisors Inc. serve as co-investment advisors to the Fund and may direct the vote and disposition of the 983,548 shares of Common Stock held by the Fund. As the general partner of Anson Funds Management LP, Anson Management GP LLC may direct the vote and disposition of the 983,548 shares of Common Stock held by the Fund. As the principal of Anson Fund Management LP and Anson Management GP LLC, Mr. Moore may direct the vote and disposition of the 983,548 shares of Common Stock held by the Fund. As directors of Anson Advisors Inc., Mr. Nathoo and Mr. Kassam may each direct the vote and disposition of the 983,548 shares of Common Stock held by the Fund.

**Item 1(a) Name of Issuer.**

Ensysce Biosciences, Inc.

**Item 1(b) Address of Issuer's Principal Executive Offices.**

7946 Ivanhoe Avenue., Suite 201  
La Jolla, CA, 92037

**Item 2(a) Name of Person Filing.**

Anson Funds Management LP, Anson Management GP LLC, Mr. Tony Moore, Anson Advisors Inc., Mr. Amin Nathoo and Mr. Moez Kassam

**Item 2(b) Address of Principal Business Office, or, if none, Residence.**

For Anson Funds Management LP, Anson Management GP LLC and Mr. Moore:

16000 Dallas Parkway, Suite 800  
Dallas, Texas 75248

For Anson Advisors Inc., Mr. Nathoo and Mr. Kassam:

181 Bay Street, Suite 4200  
Toronto, ON  
M5J 2T3



**Item 2(c) Citizenship or Place of Organization.**

Anson Funds Management LP is a limited partnership organized under the laws of the State of Texas. Anson Management GP LLC is a limited liability company organized under the laws of the State of Texas. Mr. Moore is a United States citizen. Anson Advisors Inc. is a corporation organized under the laws of Ontario, Canada. Mr. Nathoo and Mr. Kassam are each Canadian citizens.

**Item 2(d) Title of Class of Securities.**

Common Stock, \$0.0001 par value

**Item 2(e) CUSIP Number.**

293602405

**Item 3 Reporting Person.**

**If this statement is filed pursuant to Rule 13d-1(b), or 13d-2(b), 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 advisor 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 association 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 that is the functional equivalent of any of the institutions listed in § 240.13d-1 (b)(1)(ii)(A) through (I), so long as the non-U.S. institution is subject to a regulatory scheme that is substantially comparable to the regulatory scheme applicable to the equivalent U.S. institution.
- (k)  Group, in accordance with §240.13d-1(b)(1)(ii)(K).

- Item 4 Ownership.**
- (a) Anson Funds Management LP, Anson Management GP LLC, Mr. Moore, Anson Advisors Inc., Mr. Nathoo and Mr. Kassam are the beneficial owners of 983,548 shares of Common Stock held by the Fund.
  - (b) Anson Funds Management LP, Anson Management GP LLC, Mr. Moore, Anson Advisors Inc., Mr. Nathoo and Mr. Kassam are the beneficial owners of 7.1% of the outstanding shares of Common Stock. This percentage is determined by dividing 983,548 by 13,870,510 shares of Common Stock issued and outstanding, as confirmed by the issuer on September 30, 2024.
  - (c) Anson Funds Management LP and Anson Advisors Inc., as the co-investment advisors to the Fund, may direct the vote and disposition of the 983,548 shares of Common Stock held by the Fund. Anson Management GP LLC, as the general partner of Anson Funds Management LP, may direct the vote and disposition of the 983,548 shares of Common Stock held by the Fund. As the principal of Anson Funds Management LP and Anson Management GP LLC, Mr. Moore may direct the vote and disposition of the 983,548 shares of Common Stock held by the Fund. Mr. Nathoo and Mr. Kassam, each as a director of Anson Advisors Inc., may direct the vote and disposition of the 983,548 shares of Common Stock held by the Fund.
- Item 5 Ownership of Five Percent or Less of a Class.**  
Inapplicable.
- Item 6 Ownership of More Than Five Percent on Behalf of Another Person.**  
See description regarding the Fund in the introduction, which is incorporated by reference herein.
- Item 7 Identification and Classification of the Subsidiary which Acquired the Security Being Reported On by the Parent Holding Company.**  
See description of control persons of Anson Funds Management LP and Anson Advisors Inc. in the introduction, which is incorporated by reference herein.
- Item 8 Identification and Classification of Members of the Group.**  
Inapplicable.
- Item 9 Notice of Dissolution of Group.**  
Inapplicable.
- Item 10 Certification.**  
By signing below each of the Reporting Persons certifies that, to the best of such person's knowledge and belief, the securities referred to above were acquired and held in the ordinary course of business and were not acquired and were 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.

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For Anson Advisors Inc.:

By signing below I certify that, to the best of my knowledge and belief, the foreign regulatory scheme applicable to portfolio managers and exempt market dealers is substantially comparable to the regulatory scheme applicable to the functionally equivalent U.S. institution. I also undertake to furnish to the Commission staff, upon request, information that would otherwise be disclosed in a Schedule 13D.

**Exhibits**    **Exhibit 99.1**

Joint Filing Agreement dated November 14, 2024, by and among Anson Funds Management LP, Anson Management GP LLC, Mr. Moore, Anson Advisors Inc., Mr. Nathoo and Mr. Kassam.

**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: November 14, 2024

ANSON FUNDS MANAGEMENT LP

By: Anson Management GP LLC, its general partner

By: /s/ Tony Moore  
Tony Moore  
Manager

ANSON MANAGEMENT GP LLC

By: /s/ Tony Moore  
Tony Moore  
Manager

/s/ Tony Moore  
Tony Moore

ANSON ADVISORS INC.

By: /s/ Amin Nathoo  
Amin Nathoo  
Director

By: /s/ Moez Kassam  
Moez Kassam  
Director

/s/ Amin Nathoo  
Amin Nathoo

/s/ Moez Kassam  
Moez Kassam

**EXHIBIT 99.1  
JOINT FILING AGREEMENT**

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, the undersigned agree to the joint filing on behalf of each of them of a Statement on Schedule 13G (including any and all amendments thereto) with respect to the Common Stock, \$0.0001 par value, of Ensysce Biosciences, Inc., a Delaware corporation, and further agree that this Joint Filing Agreement shall be included as an Exhibit to such joint filings.

The undersigned further agree that each party hereto is responsible for the timely filing of such Statement on Schedule 13G and any amendments thereto, and for the accuracy and completeness of the information concerning such party contained therein; provided, however, that no party is responsible for the accuracy or completeness of the information concerning any other party, unless such party knows or has reason to believe that such information is inaccurate.

This Joint Filing Agreement may be signed in counterparts with the same effect as if the signature on each counterpart were upon the same instrument.

IN WITNESS WHEREOF, the undersigned have executed this Agreement as of November 14, 2024.

ANSON FUNDS MANAGEMENT LP  
By: Anson Management GP LLC, its general partner

By: /s/ Tony Moore  
Tony Moore  
Manager

ANSON MANAGEMENT GP LLC

By: /s/ Tony Moore  
Tony Moore  
Manager

/s/ Tony Moore  
Tony Moore

ANSON ADVISORS INC.

By: /s/ Amin Nathoo  
Amin Nathoo  
Director

By: /s/ Moez Kassam  
Moez Kassam  
Director

/s/ Amin Nathoo  
Amin Nathoo

/s/ Moez Kassam  
Moez Kassam