SEC	Form	4
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## FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

OMB Number:	3235-0287
Estimated average burden	
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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*       2. Issuer Name and Ticker or Trading Symbol       5. Relationship of Reporting Person(s) to Issuer         Ende Eric J       Matinas BioPharma Holdings, Inc. [MTNB]       3. Date of Earliest Transaction (Month/Day/Year)       5. Relationship of Reporting Person(s) to Issuer         (Last)       (First)       (Middle)       0. Date of Earliest Transaction (Month/Day/Year)       5. Relationship of Reporting Person(s) to Issuer         C/O MATINAS BIOPHARMA HOLDINGS, INC.       1.1/01/2023       3. Date of Original Filed (Month/Day/Year)       5. Individual or Joint/Group Filing (Check Applicable Line)         (Street)       BEDMINSTER, NJ       07921       6. Individual or Joint/Group Filing Verson         (City)       (State)       (Zip)       (Zip)       Form filed by More than One Reporting Person	affirmative defense 10b5-1(c). See Inst				
(Last)       (First)       (Middle)         C/O MATINAS BIOPHARMA HOLDINGS, INC.       11/01/2023         1545 ROUTE 206 SOUTH SUITE 302       4. If Amendment, Date of Original Filed (Month/Day/Year)         (Street)       BEDMINSTER, NJ       07921				, , , , , , , , , , , , , , , , , , ,	(Check all applicable)
1545 ROUTE 206 SOUTH SUITE 302       4. If Amendment, Date of Original Filed (Month/Day/Year)       6. Individual or Joint/Group Filing (Check Applicable Line)         (Street)       BEDMINSTER, NJ       07921		( )	( )		Officer (give title Other (specify
(Street) BEDMINSTER, NJ 07921				4. If Amendment, Date of Original Filed (Month/Day/Year)	
	(Street)				Form filed by More than One Reporting Person
(City) (State) (Zip)	BEDMINSTER,	NJ	07921	_	
Table L. Non-Derivative Securities Acquired Disposed of an Reneficially Owned	(City)	(State)			

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

2. Transaction Date (Month/Day/Year)	 y Transaction Code (Instr.		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			Securities Beneficially Owned Following Reported	Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership
	Code	v	Amount	(A) or (D)	Price	Transaction(s) (Instr. 3 and 4)		(Instr. 4)

## Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	4. Transac Code (In 8)		Derivative Expiration Date Securities (Month/Day/Year)		d 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		Derivative Security (Instr. 5)	Securities Beneficially Owned	Ownership Form: Direct (D)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
			Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		Transaction(s) (Instr. 4)		
Stock option (right to buy)	\$0.2088	11/01/2023	Α		437,244		(1)	11/01/2033	Common Stock	437,244	\$0	437,244	D	

## Explanation of Responses:

1. The option award was made in accordance with the terms of the Issuer's Amended and Restated 2013 Equity Incentive Plan (the "2013 Plan"). The option vests in equal monthly installments over a period of 12 months commencing on November 1, 2023. The exercise price is based on the closing price for the shares of the Common Stock on the date of grant in accordance with the terms of the 2013 Plan.

/s/ Keith A. Kucinski, attorney-in	11/03/2023
fact for Eric J. Ende	11/03/2023

\*\* 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 4 (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.