

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

OMB APPROVAL	
OMB Number:	3235-0104
Estimated average burden hours per response:	0.5

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* <u>Muni Neal</u>  (Last) (First) (Middle) C/O COMERA LIFE SCIENCES HOLDINGS, INC. 12 GILL STREET, SUITE 4650  (Street) WOBURN MA 01801  (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 05/19/2022	3. Issuer Name and Ticker or Trading Symbol <u>Comera Life Sciences Holdings, Inc. [ CMRA ]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) See Remarks	5. If Amendment, Date of Original Filed (Month/Day/Year) 05/20/2022
		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person	

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
---------------------------------	-------------------------------------------------------	----------------------------------------------------------	-------------------------------------------------------

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
Stock Option (Right to Buy) <sup>(1)</sup>	(2)	09/16/2031	Common Stock	208,198	0.59	D

**Explanation of Responses:**

- This Form 3/A is being filed to correct information previously disclosed on the original Form 3 filed by the reporting person on May 20, 2022, including the Exercise Price, Amount or Number of Shares and vesting schedule of the stock option grant. This Form 3/A also includes the reporting person's power-of-attorney.
- This option was issued pursuant to the terms of a business combination agreement involving the issuer and Comera Life Sciences, Inc. in exchange for a comparable option previously issued by such company on September 16, 2021. 25% of the option vests or vested on the one year anniversary of the grant date and in equal monthly installments thereafter for 36 months.

**Remarks:**

Executive Vice President and Chief Operating Officer. Exhibit 24 Power of Attorney filed herewith.

/s/ Ryan M. Rourke Reed, 02/14/2023  
Attorney-in-Fact

\*\* 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 5 (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.**

POWER OF ATTORNEY

KNOW ALL BY THESE PRESENTS, that the undersigned hereby authorizes Jeffrey S. Hackman, Michael G. Campbell, Jeffrey L. Quillen, Ryan M. Rourke Reed and Stacie S. Aarestad, each acting singly, to execute and caused to be filed with the United States Securities and Exchange Commission any and all documents or filings, including any amendments thereto, required to be so filed. The undersigned hereby grants to the attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do personally present, with full power of substitution, resubstitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney's-in-fact substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorney-in-fact, in serving in such capacity at the request of the undersigned, is not assuming any of the undersigned's responsibilities to comply with all applicable laws, including Sections 13 and 16 of the Securities Exchange Act of 1934.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorney-in-fact.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 10th day of August, 2022.

/s/ Neal Muni  
Name: Neal Muni