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# SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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## SCHEDULE 13G

Under the Securities Exchange Act of 1934  
(Amendment No. 5)

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### Omeros Corporation

(Name of Issuer)

Common Stock, \$0.01 par value  
(Title of Class of Securities)

682143 102  
(CUSIP Number)

December 31, 2014  
(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)

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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(1)	Names of reporting persons  Gregory A. Demopulos, M.D.		
(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)	Citizenship or place of organization  United States		
Number of shares beneficially owned by each reporting person with:	(5)	Sole voting power  3,662,182 <sup>1</sup>	
	(6)	Shared voting power  -0-	
	(7)	Sole dispositive power  3,662,182 <sup>1</sup>	
	(8)	Shared dispositive power  -0-	
(9)	Aggregate amount beneficially owned by each reporting person  3,662,182 <sup>1</sup> shares of Common Stock, \$0.01 par value		
(10)	Check 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)  10.1% <sup>2</sup>		
(12)	Type of reporting person (see instructions)  IN		

<sup>1</sup> Includes 2,102,360 shares of common stock that Dr. Demopulos has the right to acquire from the issuer within 60 days of December 31, 2014 pursuant to the exercise of option awards.

<sup>2</sup> Based on shares outstanding as of December 31, 2014, as reported on the issuer's Registration Statement on Form S-3 filed on January 16, 2015.

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**Item 1.**

- (a) Name of Issuer:  
Omeros Corporation
- (b) Address of issuer's principal executive offices:  
201 Elliott Avenue West  
Seattle, WA 98119

**Item 2.**

- (a) Name of person filing:  
Gregory A. Demopulos, M.D.
- (b) Address or principal business office or, if none, residence:  
201 Elliott Avenue West  
Seattle, WA 98119
- (c) Citizenship:  
United States
- (d) Title of class of securities:  
Common Stock, \$0.01 par value
- (e) CUSIP No.:  
682143 102

**Item 3.**

If this statement is filed pursuant to Rules 13d-1(b), or 13d-2(b) or (c), check whether the person filing is a:

- (a) ☐ Broker or dealer registered under Section 15 of the Act;
- (b) ☐ Bank as defined in Section 3(a)(6) of the Act;
- (c) ☐ Insurance company as defined in Section 3(a)(19) of the Act;
- (d) ☐ Investment company registered under Section 8 of the Investment Company Act of 1940;
- (e) ☐ An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f) ☐ An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);

- (g) ☐ A parent holding company or control person in accordance with Rule 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;
- (j) ☐ A non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J);
- (k) ☐ Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K).

If filing as a non-U.S institution in accordance with Rule 240.13d-1(b)(1)(ii)(J), please specify the type of institution:

**Item 4.**            Ownership

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount beneficially owned:  
3,662,182 shares<sup>3</sup>
- (b) Percent of class:  
10.1%<sup>4</sup>
- (c) Number of shares as to which the person has:
  - (i) Sole power to vote or to direct the vote  
3,662,182 shares<sup>3</sup>
  - (ii) Shared power to vote or to direct the vote  
-0- shares
  - (iii) Sole power to dispose or to direct the disposition of  
3,662,182 shares<sup>3</sup>

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<sup>3</sup> Includes 2,102,360 shares of common stock that Dr. Demopoulos has the right to acquire from the issuer within 60 days of December 31, 2014 pursuant to the exercise of option awards.

<sup>4</sup> Based on shares outstanding as of December 31, 2014, as reported on the issuer's Registration Statement on Form S-3 filed on January 16, 2015.

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- (iv) Shared power to dispose or to direct the disposition of  
-0- shares

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

Not applicable.

**Item 6.** Ownership of More than Five 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

Not applicable.

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*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: January 16, 2015

/s/ Gregory A. Demopulos, M.D.