UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d)

of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): March 16, 2023

MONTE ROSA THERAPEUTICS, INC.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation) 001-40522 (Commission File Number) 84-3766197 (I.R.S. Employer Identification No.)

645 Summer Street, Suite 102 Boston, MA 02210

(Address of principal executive offices, including zip code)

(617) 949-2643 (Registrant's telephone number, including area code)

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Not Applicable

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

□ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

□ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

D Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

□ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, \$0.0001 par value per share	GLUE	The Nasdaq Global Select Market

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§ 230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§ 240.12b-2 of this chapter).

Emerging growth company \boxtimes

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 2.02. Results of Operations and Financial Condition

On March 16, 2023, Monte Rosa Therapeutics, Inc. (the "Company") announced its financial results for the quarter and year ended December 31, 2022. The full text of the press release issued in connection with the announcement is furnished as Exhibit 99.1 to this Current Report on Form 8-K.

Item 7.01. Regulation FD Disclosure

On March 16, 2023, the Company issued a corporate presentation that it intends to utilize in various meetings with securities analysts, investors and others. A copy of the corporate presentation is furnished as Exhibit 99.2 to this Current Report on Form 8-K.

The information under Item 2.02 and Item 7.01 in this Current Report on Form 8-K (including Exhibit 99.1 and Exhibit 99.2) shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as expressly set forth by specific reference in such a filing.

Item 9.01. Financial Statements and Exhibits

(d) Exhibits

- 99.1 Press Release issued by Monte Rosa Therapeutics, Inc. dated March 16, 2023.
- 99.2 Corporate Presentation furnished by Monte Rosa, Inc. on March 16, 2023.
- 104 Cover Page Interactive Data File (embedded within the Inline XBRL document).

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Monte Rosa Therapeutics, Inc.

Date: March 16, 2023

By: /s/ Markus Warmuth

Markus Warmuth President and Chief Executive Officer



Monte Rosa Therapeutics Announces Fourth Quarter and Full Year 2022 Financial Results and Provides Corporate Update

- Phase 1/2 clinical trial evaluating MRT-2359 for treatment of MYC-driven solid tumors ongoing
- Disclosure of initial data from Phase 1 arm of study expected in second half of 2023
- MRT-2359 received Fast Track designation from FDA for treatment of patients with previously treated, metastatic non-small cell lung cancer (NSCLC) with L-MYC or N-MYC expression
- Nomination of multiple development candidates anticipated in 2023
- Year-end 2022 cash balance of approximately \$268 million, with cash runway into 2025

BOSTON, March 16, 2023 – Monte Rosa Therapeutics, Inc. (NASDAQ: GLUE), a clinical stage biotechnology company developing novel molecular glue degrader (MGD)-based medicines, today reported financial results for the fourth quarter and full year ended December 31, 2022, and provided corporate updates.

"Last year was transformational for Monte Rosa, as we initiated a Phase 1/2 clinical trial with MRT-2359 for the treatment of MYC-driven solid tumors, and advanced our VAV1 program into lead optimization. We have now shown repeatedly that our QuEEN platform has the ability to generate selective molecular glue degraders for therapeutically relevant protein targets, and our pipeline of unique and differentiated MGDs serves as strong validation of QuEEN," said Markus Warmuth, M.D., CEO of Monte Rosa. "We look forward to presenting the first clinical data for MRT-2359 later this year, as well as nominating multiple development candidates from our pipeline programs. Backed by a strong cash runway, we are well positioned to continue showcasing the unique capabilities of our drug discovery engine and developing new treatment options for patients with serious diseases of high unmet medical need."

Monte Rosa's current programs are focused on delivering therapies to targets generally considered undruggable or inadequately drugged in wellcharacterized biological pathways across clinical indications in oncology, inflammation, immunology, and other diseases with high unmet needs. The Company's lead program, MRT-2359, is in Phase 1/2 clinical trials. Additional programs focused on the degradation of CDK2 for oncology, VAV1 for autoimmunity and NEK7 for inflammation are at the lead optimization stage, with multiple development candidates expected to be announced in 2023. Further discovery programs are focused on sickle cell disease-related proteins, as well as multiple currently undisclosed targets.

Business Highlights and Recent Developments

Initiated patient dosing in October of its Phase 1/2 clinical trial evaluating MRT-2359 for the treatment of MYC-driven solid tumors, including lung cancer. MRT-2359 is a potent, selective, and orally bioavailable GSPT1-directed MGD, designed to disrupt protein synthesis in MYC-driven tumors and lead to anti-tumor activity. The Phase 1/2 open-label, multicenter study will primarily assess the safety, tolerability, pharmacokinetic (PK), pharmacodynamic (PD) and preliminary clinical activity of MRT-2359 in patients with previously treated selected solid tumors, including non-small cell lung cancer (NSCLC), small cell lung cancer (SCLC), high-grade neuroendocrine cancer of any primary site, diffuse large B-cell lymphoma (DLBCL) and solid tumors with L-MYC or N-MYC amplification. In the Phase 1 portion of the study, patients are receiving escalating doses of MRT-2359 to determine the maximum tolerated dose (MTD) and recommended Phase 2 dose (RP2D). Once the RP2D is determined, the anti-tumor activity of MRT-2359 will be assessed as part of the



Phase 2 portion of the study, which includes molecular biomarkers for patient stratification and selection.

- U.S. Food and Drug Administration (FDA) granted Fast Track designation to MRT-2359 in January for the treatment of patients with previously treated, metastatic NSCLC with L-MYC or N-MYC expression. Fast Track designation is designed to facilitate the development and expedite the review of drug candidates to treat serious conditions and fulfill an unmet medical need. Clinical programs with Fast Track designation may be eligible for more frequent interactions with the FDA throughout the regulatory review process and may be eligible for Accelerated Approval and Priority Review if relevant criteria are met.
- Advanced immunology-focused VAV1 degrader program into Lead Optimization. VAV1 is a pivotal signal transduction protein in the adaptive immune system. When activated, VAV1 relays a signal cascade that results in immune cell activation and the secretion of several pro-inflammatory cytokines. Prior to Monte Rosa's research, VAV1 had been considered undruggable. Through analysis and screening by QuEEN[™], the Company developed highly potent and selective degraders that have been observed to induce rapid and deep VAV1 degradation, elicit expected on-target downstream functional effects and compelling *in vivo* activity. VAV1 has rapidly advanced into Lead Optimization and is one of three programs that may advance to IND-enabling studies in 2023.
- Strengthened executive leadership team with the promotion of Jennifer Champoux to Chief People & Operations Officer and the appointment of Magnus Walter, Ph.D., to Senior Vice President, Chemical Sciences and Process Development
- Presented at recent scientific and medical conferences including:
 - o 5th Annual Targeted Protein Degradation Summit in Boston, October 25-28, 2022
 - o 34th EORTC-NCI-AACR Symposium on Molecular Targets and Cancer Therapeutics in Barcelona, October 26-28, 2022
 - o Molecular Glue Drug Development Summit in Boston, January 25, 2023
 - o 4th Swiss Industrial Chemistry Symposium in Basel, January 27, 2023

2023 Objectives and Upcoming Milestones

- Disclosure of initial clinical data including PK, PD, safety and available initial efficacy data from the Phase 1 arm of the ongoing Phase 1/2 clinical trial evaluating MRT-2359 is expected in the second half of 2023
- Nomination of multiple development candidates from Lead Optimization programs in immunology, inflammation and/or oncology and initiation of IND-enabling studies in 2023
- Disclosure of multiple new discovery programs
- Expand molecular glue degrader platform beyond CRBN

Upcoming Data Presentations

- Additional preclinical data from the MRT-2359 program will be presented at the upcoming American Association for Cancer Research (AACR) Annual Meeting, April 14-19, 2023, in Orlando, FL; presentation details, as follows:
 - o Oral Presentation



Title: New Drugs on the Horizon - Discovery of MRT-2359, an orally bioavailable GSPT1 molecular glue degrader, for MYC-driven cancers Session: New Drugs on the Horizon: Part 3 Presenter: Owen Wallace, Ph.D., Chief Scientific Officer of Monte Rosa Date and Time: Monday, April 17; 10:15 - 11:45 a.m. ET

o Oral Presentation

Title: Development of MRT-2359, an orally bioavailable GSPT1 molecular glue degrader, for the treatment of lung cancers with MYCinduced translational addiction Session: Mini Symposium

Session. Willing

Abstract: 3449

Presenter: Gerald Gavory, Ph.D., Senior Director of Drug Discovery and Translational Research at Monte Rosa Date and Time: Monday, April 17; 2:30 - 4:30 p.m. ET

FOURTH QUARTER AND FULL YEAR 2022 FINANCIAL RESULTS

Research and Development (R&D) Expenses: R&D expenses for the fourth quarter of 2022 were \$24.9 million compared to \$18.1 million for the fourth quarter of 2021, and \$85.1 million for the year ended December 31, 2022, compared to \$57.2 million for the year ended December 31, 2021. The increase in R&D expense was primarily due to the expansion of research and development activities, including the advancement of MRT-2359 into the clinic, pipeline advancement of the VAV1, NEK7 and CDK2 programs, increased headcount and facilities in the United States and Switzerland, and corresponding increases in laboratory-related expenses. R&D expense included non-cash lease expense and non-cash stock compensation expense of \$1.6 million and \$1.8 million, respectively, for the quarter ended December 31, 2022, and \$4.8 million and \$6.1 million for the year ended December 31, 2022, respectively. Non-cash stock compensation expense was \$1.0 million and \$2.6 million for the same periods in 2021.

General and Administrative (G&A) Expenses: G&A expenses for the fourth quarter of 2022 were \$7.6 million compared to \$5.3 million for the fourth quarter of 2021, and \$27.3 million for the year ended December 31, 2022, compared to \$15.7 million for the year ended December 31, 2021. The increase in G&A expenses were a result of increased headcount and expenses in support of the company's growth and operations as a public company. G&A expenses included non-cash stock-based compensation of \$1.6 million for the fourth quarter of 2022 and \$5.6 million for the year ended December 31, 2022, compared to \$1.0 million and \$2.6 million, respectively, for the same periods in 2021.

Net Loss: Net loss for the fourth quarter of 2022 was \$30.8 million compared to \$23.4 million for the fourth quarter of 2021, and \$108.5 million for the year ended December 31, 2022, compared to \$74.0 million for the year ended December 31, 2021.

Cash Position and Financial Guidance: Cash, cash equivalents, restricted cash, and marketable securities as of December 31, 2022, were \$268.1 million, compared to \$351.4 million as of December 31, 2021. The company expects its cash, cash equivalents, restricted cash and marketable securities will be sufficient to fund planned operations and capital expenditures into 2025.

About Monte Rosa



Monte Rosa Therapeutics is a biotechnology company developing novel molecular glue degrader (MGD) medicines for patients living with serious diseases such as oncology, autoimmune and inflammatory diseases. MGDs are small molecule protein degraders designed to employ the body's natural mechanisms to selectively eliminate therapeutically relevant proteins. The Company's QuEEN™ (Quantitative and Engineered Elimination of Neosubstrates) platform enables it to rapidly identify protein targets and design highly selective degraders by combining diverse libraries of proprietary MGDs with in-house proteomics, structural biology, Al/machine learning, and computational chemistry capabilities. For more information, visit www.monterosatx.com

Forward-Looking Statements

This communication includes express and implied "forward-looking statements," including forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward looking statements include all statements that are not historical facts, and in some cases, can be identified by terms such as "may," "might," "would," "would," "should," "expect," "intend," "plan," "objective," "anticipate," "believe," "estimate," "predict," "potential," "continue," "ongoing," or the negative of these terms, or other comparable terminology intended to identify statements about the future. Forward-looking statements contained in herein include, but are not limited to, statements about our product development activities, including our expectations around MRT-2359 and the potential significance of obtaining Fast Track Designation from the FDA, the ongoing development of our QuEEN™ platform and the advancement of our pipeline and the various products therein, including the timing for initiation of IND-enabling studies for VAV1 and other programs, our expectations regarding and the timing of our clinical trial for MRT-2359, our ability to initiate and the timing of initiation of additional lead optimization programs, and our expectations regarding our ability to nominate and the timing of our nominations of additional development candidates, as well as our expectations of success for our programs and the strength of our financial position, among others. By their nature, these statements are subject to numerous risks and uncertainties, including the impact that the COVID-19 pandemic may have on our development activities and operations, as well as those risks and uncertainties set forth in our most recent Quarterly Report on Form 10-Q and Annual Report on Form 10-K for the year ended December 31, 2021 filed with the US Securities and Exchange Commission, and any subsequent filings, that could cause actual results, performance or achievement to differ materially and adversely from those anticipated or implied in the statements. You should not rely upon forward looking statements as predictions of future events. Although our management believes that the expectations reflected in our statements are reasonable, we cannot guarantee that the future results, performance or events and circumstances described in the forward-looking statements will be achieved or occur. Recipients are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date such statements are made and should not be construed as statements of fact. We undertake no obligation to publicly update any forward-looking statements, whether as a result of new information, any future presentations or otherwise, except as required by applicable law. Certain information contained in these materials and any statements made orally during any presentation of these materials that relate to the materials or are based on studies, publications, surveys and other data obtained from third-party sources and our own internal estimates and research. While we believe these third-party studies, publications, surveys and other data to be reliable as of the date of these materials, we have not independently verified, and make no representations as to the adequacy, fairness, accuracy or completeness of, any information obtained from third-party sources. In addition, no independent source has evaluated the reasonableness or accuracy of our internal estimates



or research and no reliance should be made on any information or statements made in these materials relating to or based on such internal estimates and research.

Consolidated Balance Sheets

Assets Cash and cash equivalents S 54,912 S 346,071 Marketable securities 207,914 960 Other receivables 7,656 960 Other receivables 7,656 348,660 Other receivables 7,656 348,660 Other receivables 27,075 12,325 Operating lease right-of-use asets 348,323 Propaid expinent, net 27,075 12,325 Operating lease right-of-use asets 34,832 Total assets 27,075 12,325 Operating lease right-of-use asets 34,832 Total assets 27,075 12,325 Operating lease right-of-use asets - Total assets 27,88 366,329 Liabilities and stockholders' equity - Current tabilities - - Accounts payable \$ 7,852 \$ 6,538 Defined benefit pan liabilities <t< th=""><th></th><th></th><th colspan="3">December 31,</th></t<>			December 31,		
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Current portion of operating lease liability3,127-Total current liabilities25,56916,638Defined benefit plan liability1,5332,176Operating lease liability43,874-Total liabilities70,97618,814Commitments and contingencies70,97618,814Stockholders' equityCommon stock, \$0.0001 par value; 500,000,000 shares authorized, 49,445,802 shares issued and 49,323,531 shares-outstanding as of December 31, 2022; and 500,000,000 shares authorized, 46,794,295 shares issued and 46,535,966 shares5outstanding as of December 31, 202155Additional paid-in capital503,696471,566Accumulated other comprehensive loss(1,752)(2,021)Accumulated deficit(230,536)(122,035)Total stockholders' equity271,413347,515Total liabilities and stockholders' equity\$342,389\$Stockholders' equity\$342,389\$Total liabilities and stockholders' equity\$342,389\$	Accrued expenses and other current liabilities		14,580		10,080
Total current liabilities25,56916,638Defined benefit plan liability1,5332,176Operating lease liability43,874-Total liabilities70,97618,814Commitments and contingencies70,97618,814Common stock, \$0.0001 par value; 500,000,000 shares authorized, 49,445,802 shares issued and 49,323,531 sharesoutstanding as of December 31, 2022; and 500,000,000 shares authorized, 46,794,295 shares issued and 46,535,966 shares5Additional paid-in capital503,696471,566Accumulated other comprehensive loss(1,752)(2,021)Accumulated deficit(230,536)(122,035)Total liabilities and stockholders' equity271,413347,515	Current portion of operating lease liability		3,127		_
Defined benefit plan liability1,5332,176Operating lease liability43,874—Total liabilities70,97618,814Commitments and contingenciesStockholders' equityCommon stock, \$0.0001 par value; 500,000,000 shares authorized, 49,445,802 shares issued and 49,323,531 sharesoutstanding as of December 31, 2022; and 500,000,000 shares authorized, 46,794,295 shares issued and 46,535,966 shares55Additional paid-in capital503,696471,566Accumulated other comprehensive loss(1,752)(2,021)Accumulated deficit(230,536)(122,035)Total stockholders' equity271,413347,515Total liabilities and stockholders' equity\$ 342,389\$ 366,329	Total current liabilities		25,569		16,638
Operating lease liability43,874-Total liabilities70,97618,814Commitments and contingencies518,814Stockholders' equity55Common stock, \$0.0001 par value; 500,000,000 shares authorized, 49,445,802 shares issued and 49,323,531 shares5outstanding as of December 31, 2022; and 500,000,000 shares authorized, 46,794,295 shares issued and 46,535,966 shares5Additional paid-in capital55Additional paid-in capital(1,752)(2,021)Accumulated other comprehensive loss(1,752)(2,021)Accumulated deficit(230,536)(122,035)Total stockholders' equity271,413347,515Total liabilities and stockholders' equity\$342,389\$Stockholders' equity\$342,389\$Total liabilities and stockholders' equity\$342,389\$	Defined benefit plan liability		1,533		2,176
Total liabilities70,97618,814Commitments and contingenciesStockholders' equityCommon stock, \$0.0001 par value; 500,000,000 shares authorized, 49,445,802 shares issued and 49,323,531 sharesoutstanding as of December 31, 2022; and 500,000,000 shares authorized, 46,794,295 shares issued and 46,535,966 sharesoutstanding as of December 31, 2021Additional paid-in capitalAccumulated other comprehensive loss(1,752)(2,021)Accumulated deficit(230,536)Total stockholders' equity\$ 342,389342,389\$ 342,389	Operating lease liability		43,874		-
Commitments and contingenciesStockholders' equityCommon stock, \$0.0001 par value; 500,000,000 shares authorized, 49,445,802 shares issued and 49,323,531 sharesoutstanding as of December 31, 2022; and 500,000,000 shares authorized, 46,794,295 shares issued and 46,535,966 sharesoutstanding as of December 31, 2021Additional paid-in capitalAccumulated other comprehensive loss(1,752)(2,021)Accumulated deficit(230,536)Total stockholders' equity\$ 342,389342,389\$ 342,389\$ 342,389\$ 342,389\$ 342,389\$ 342,389	Total liabilities		70,976		18,814
Stockholders' equityCommon stock, \$0.0001 par value; 500,000,000 shares authorized, 49,445,802 shares issued and 49,323,531 sharesoutstanding as of December 31, 2022; and 500,000,000 shares authorized, 46,794,295 shares issued and 46,535,966 sharesoutstanding as of December 31, 2021; and 500,000,000 shares authorized, 46,794,295 shares issued and 46,535,966 sharesoutstanding as of December 31, 2021; and 500,000,000 shares authorized, 46,794,295 shares issued and 46,535,966 sharesoutstanding as of December 31, 2021; and 500,000,000 shares authorized, 46,794,295 shares issued and 46,535,966 sharesoutstanding as of December 31, 2021; and 500,000,000 shares authorized, 46,794,295 shares issued and 46,535,966 sharesAdditional paid-in capitalAccumulated other comprehensive loss(1,752)(2,021)Accumulated deficit(230,536)Total stockholders' equity(230,536)(212,035)Total liabilities and stockholders' equity\$ 342,389\$ 342,389\$ 342,389\$ 342,389\$ 342,389	Commitments and contingencies				
Common stock, \$0.0001 par value; 500,000,000 shares authorized, 49,445,802 shares issued and 49,323,531 sharesoutstanding as of December 31, 2022; and 500,000,000 shares authorized, 46,794,295 shares issued and 46,535,966 sharesoutstanding as of December 31, 2021; and 500,000,000 shares authorized, 46,794,295 shares issued and 46,535,966 sharesoutstanding as of December 31, 2021; and 500,000,000 shares authorized, 46,794,295 shares issued and 46,535,966 sharesAdditional paid-in capital503,696Accumulated other comprehensive loss(1,752)Accumulated deficit(230,536)Total stockholders' equity271,413Total liabilities and stockholders' equity\$ 342,389 \$ 366,329	Stockholders' equity				
outstanding as of December 31, 2022; and 500,000,000 shares authorized, 46,794,295 shares issued and 46,535,966 shares5outstanding as of December 31, 20215Additional paid-in capital503,696Accumulated other comprehensive loss(1,752)Accumulated deficit(230,536)Total stockholders' equity271,413Total liabilities and stockholders' equity\$ 342,389	Common stock, \$0.0001 par value; 500,000,000 shares authorized, 49,445,802 shares issued and 49,323,531 shares				
outstanding as of December 31, 2021 5 Additional paid-in capital 503,696 471,566 Accumulated other comprehensive loss (1,752) (2,021) Accumulated deficit (230,536) (122,035) Total stockholders' equity 271,413 347,515 Total liabilities and stockholders' equity \$ 342,389 \$ 366,329	outstanding as of December 31, 2022; and 500,000,000 shares authorized, 46,794,295 shares issued and 46,535,966 shares				
Additional paid-in capital 503,696 471,566 Accumulated other comprehensive loss (1,752) (2,021) Accumulated deficit (230,536) (122,035) Total stockholders' equity 271,413 347,515 Total liabilities and stockholders' equity \$ 342,389 \$ 366,329	outstanding as of December 31, 2021		5		5
Accumulated other comprehensive loss (1,752) (2,021) Accumulated deficit (230,536) (122,035) Total stockholders' equity 271,413 347,515 Total liabilities and stockholders' equity \$ 342,389 \$ 366,329	Additional paid-in capital		503,696		471,566
Accumulated deficit (230,536) (122,035) Total stockholders' equity 271,413 347,515 Total liabilities and stockholders' equity \$ 342,389 \$ 366,329	Accumulated other comprehensive loss		(1,752)		(2,021)
Total stockholders' equity 271,413 347,515 Total liabilities and stockholders' equity \$ 342,389 \$ 366,329	Accumulated deficit		(230,536)		(122,035)
Total liabilities and stockholders' equity \$ 342,389 \$ 366,329	Total stockholders' equity		271,413		347,515
	Total liabilities and stockholders' equity	\$	342,389	\$	366,329



Consolidated Statements of Operations and Comprehensive Income (Loss) (In thousands, except share and per share amounts)

	Three mon Decemb	ths er ber 31	ided	Year e Decemi	nded oer 31	L,
	 2022		2021	2022		2021
Operating expenses:						
Research and development	\$ 24,868	\$	18,130	\$ 85,061	\$	57,155
General and administrative	 7,621		5,257	27,323		15,727
Total operating expenses	 32,489		23,387	112,384		72,882
Loss from operations	 (32,489)		(23,387)	(112,384)		(72,882)
Other income (expense):						
Interest income, net	1,990		13	3,764		46
Foreign currency exchange gain (loss), net	(283)		(66)	10		(162)
Gain on disposal of fixed assets	_		_	109		_
Changes in fair value of preferred stock tranche obligations, net	 _		_	_		(960)
Total other income (expense)	 1,707		(53)	3,883		(1,076)
Net loss	\$ (30,782)	\$	(23,440)	\$ (108,501)	\$	(73,958)
Net loss per share attributable to common stockholders—basic and diluted	\$ (0.63)	\$	(0.50)	\$ (2.30)	\$	(2.96)
Weighted-average number of shares outstanding used in computing net loss per common share—basic and diluted	48,893,160		46,509,897	47,227,370		25,000,124
Net loss	\$ (30,782)	\$	(23,440)	\$ (108,501)	\$	(73,958)
Other comprehensive income (loss):						
Provision for pension benefit obligation	619		(71)	718		(965)
Unrealized gain (loss) on available-for-sale securities	 231		_	(449)		_
Comprehensive loss	\$ (29,932)	\$	(23,511)	\$ (108,232)	\$	(74,923)

Investors

Shai Biran, Monte Rosa Therapeutics ir@monterosatx.com

Media

Dan Budwick, 1AB dan@1abmedia.com

From Serendipity to Rational Design

Taking Molecular Glue Degraders to New Heights | March 2023



Forward-Looking Statements

These materials include express and implied "forward-looking statements," including forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward looking statements include all statements that are not historical facts, and in some cases, can be identified by terms such as "may," "might," "will," "could," "would," "should," "expect," "intend," "plan," "objective," "anticipate," "believe," "estimate," "predict," "potential," "continue," "ongoing," or the negative of these terms, or other comparable terminology intended to identify statements about the future. Forward-looking statements contained in herein include, but are not limited to, statements about our product development activities, including our expectations around the potential of molecular glue degraders and MRT-2359, such as for our ongoing clinical trial for MRT-2359 and the timing thereof, the ongoing development of our QuEENTM platform and its potential for the discovery of additional product candidates, the advancement, and timing thereof, of our pipeline and the various products therein, our ability to initiate and the timing of initiation of additional lead optimization programs, and our expectations regarding our ability to nominate and the timing of our nominations of additional development candidates, as well as our expectations of success for our programs and the strength of our financial position, among others. By their nature, these statements are subject to numerous risks and uncertainties, including the impact that the ongoing COVID-19 pandemic will have on our development activities and operations, as well as those risks and uncertainties set forth in our Annual Report on Form 10-K for the fourth quarter and full year ended December 31, 2021 filed, with the US Securities and Exchange Commission on March 29, 2022, and any subsequent filings, including our most recently filed Quarterly Report on Form 10-Q, that could cause actual results, performance or achievement to differ materially and adversely from those anticipated or implied in the statements. You should not rely upon forward looking statements as predictions of future events. Although our management believes that the expectations reflected in our statements are reasonable, we cannot guarantee that the future results, performance or events and circumstances described in the forward-looking statements will be achieved or occur. Recipients are cautioned not to place undue reliance on these forward-looking statements. which speak only as of the date such statements are made and should not be construed as statements of fact. We undertake no obligation to publicly update any forward-looking statements, whether as a result of new information, any future presentations or otherwise, except as required by applicable law. Certain information contained in these materials and any statements made orally during any presentation of these materials that relate to the materials or are based on studies, publications, surveys and other data obtained from third-party sources and our own internal estimates and research. While we believe these third-party studies, publications, surveys and other data to be reliable as of the date of these materials, we have not independently verified, and make no representations as to the adequacy, fairness, accuracy or completeness of, any information obtained from third-party sources. In addition, no independent source has evaluated the reasonableness or accuracy of our internal estimates or research and no reliance should be made on any information or statements made in these materials relating to or based on such internal estimates and research.

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Monte Rosa Therapeutics - Highlights

Taking molecular glue degraders (MGDs) to new heights



Developing breakthrough drugs that selectively degrade therapeuticallyrelevant proteins previously considered undruggable

Five disclosed programs targeting high unmet medical needs in oncology, autoimmune disease, inflammation and other indications

PhI/II initiated for MRT-2359 with clinical development in MYC-driven tumors



AI-based degron prediction & rational design of highly selective MGDs enable a next-generation molecular glue-based targeted protein degradation platform



Strong financial position with \$268M cash as of December 31, 2022, providing runway into 2025

Molecular Glue Degraders (MGDs) – Drugging The Undruggable Expanding target space, fostering a new generation of drugs



Molecular Glue Degraders are a Clinically Validated Modality



- Differentiated target space
- Favorable drug-like properties
- Broad tissue distribution
- No "hook effect" (seen with PROTACS)
- Clinically validated

QuEEN[™] is Redefining the Rules of MGD Discovery

Traditional thinking		Monte Rosa Therapeutics approach
'Target space is limited'		QuEEN™ has vastly expanded the degradable target space across a broad range of undruggable protein classes
'MGDs are identifed by serendipity'		QuEEN™ enables target centric and systematic discovery of MGDs
'Med Chem rules don't apply to MGDs'	3	AI-driven and/or structure-based design allow rational Med Chem optimization of MGDs
'MGDs are not selective'		High specificity achievable even within same protein class, families and isoforms



Portfolio



Leveraging a Leading Drug Discovery Platform

Purpose-built to discover and develop a wide landscape of therapeutically-relevant MGDs



Monte Rosa Pipeline

Rapidly advancing wholly owned MGD programs targeting undruggable proteins





GSPT1 Program

Targeting MYC-driven Tumors and Their Addiction to Protein Translation





MRT-2359 – our GSPT1-directed MGD in Clinical Development for MYC-Driven Tumors

- MRT-2359 is a highly selective GSPT1-directed MGD designed through our QuEEN[™] platform
- Has favorable drug like properties and is orally bioavailable
- · Has optimal degradation kinetics to achieve preferential activity in MYC-driven cancer cells
- Shows preferential activity in MYC-driven cancer cells of various solid tumor lineages, including nonsmall cell lung cancer (NSCLC) and small cell lung cancer (SCLC)
- Displays preferential in vivo activity across >70 primary human xenograft (PDX) models stratified for MYC expression levels as well as in NE lung cancer PDX models
- IND cleared for Phase 1/2 trial in September 2022 and patient dosing initiated in October 2022
- First clinical data disclosure including PK, PD, safety and available initial efficacy data expected in 2H 2023



QuEEN[™] Discovery Engine Facilitates the Discovery of MRT-2359



MRT-2359 Has Optimized Degradation Kinetics, Selectivity and Bioavailability



- Kinetic measurements of degradation reveal novel parameter for optimization
- GSPT1 degradation kinetics are linked to its MoA
- MRT-2359 achieves a high preferential effect (2.4 U) in high-MYC NSCLC
- MRT-2359 has been rationally designed to be in the ADMET sweetspot
- Several compounds with good oral bioavailability discovered (large circles = >40% bioavailability PO)

MRT-2359 Shows Preferential Activity in MYC-Driven NSCLC Lines



MRT-2359 Shows Preferential Activity in MYC High or Neuroendocrine (NE) Cancer Cell Lines





Mechanism of Action of MRT-2359

Three Mechanisms Driving Preferential Activity in MYC High Cancer Lines



MRT-2359 Degrades GSPT1 More Rapidly in MYC-Driven Tumor Cells



MRT-2359 Preferentially Impairs Protein Synthesis in Tumor Cells with High MYC Expression



MRT-2359 Affects the MYC Pathway in N-MYC High NSCLC Cell Lines





Benchmarking of MRT-2359

MRT-2359 Shows Superior Characteristics Compared to CC-90009

	Assay	MRT-2359	CC-90009
	Selectivity (TMT Px, WB)	GSPT1, GSPT2	GSPT1, GSPT2, SALL4, FIZ1, RNF166, ODC1
in vitro	CYP DDI (2B6, 1A2, 2D6,3A4, 2C8,2C9, 2C19)	> 30 uM	CYP2C19 @ 1.5 uM
	hERG (patch clamp)	> 30 uM	5.3 uM
	CEREP	a1A > 50% @ 10 uM	M1/M2 > 50% @ 10 uM
	Caco2 (Efflux Ratio)	9	>100
	Route of Administration	РО	IV
Clinical	Schedule	5 days on / 9 days off cycles	5 days on / 23 days off
	Stratification	MYC high, neuroendocrine	None reported
	Development status	Phase I/II	Phase I/II

* Comparison based on internal profiling. Selectivity based on internal data as well as data from DFCI Proteomic data base https://proteomics.fischerlab.org

Superior Activity of MRT-2359 in MYC-driven Lung Cancer Cell Lines Compared to CC-90009



72 hr viability assay (CTG).

MRT-2359 - Unique Preferential Activity in MYC High Lung Cancer Lines




MRT-2359 Induces Tumor Regressions in N-MYC-driven Xenograft Models



MRT-2359 Mouse-trial in NSCLC, SCLC and Lung NE Patient-derived Xenografts



MRT-2359 Demonstrates Preferential Anti-tumor Activity in MYC High or Neuroendocrine (NE) Lung Cancer Patient-derived Xenografts





MRT-2359-001 Phase 1/2 - Clinical Study Design



Targeting L-/N-MYC Positive and Neuroendocrine Tumors with MRT-2359

	Current focus		Future options			
	Small cell lung cancer 67K patients – 70% MYC high		Triple-negative breast cancer			
	Non-small cell lung cancer 394K patients – 15% MYC high	0	Ovarian cancer			
	Neuroendocrine lung cancer		Endometrial cancer			
	Neuroendocrine prostate cancer	C C C C C C C C C C C C C C C C C C C	Bladder cancer			
c-MYC driven indications being further explored in preclinical translational studies						
Patient diagnosed incident % population based on pr	ce #s, major markets (US, EU and JP): Decision Resources Group	(DRG)				

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CDK2 Program

CDK2 as a Target for Selected Solid Tumors

CDK2 is one of the key regulators of the cell cycle



Therapeutic hypothesis: Tumors with CDK2 pathway activation by:

- High CyclinE1/E2 expression
- Loss of RB

Clinical Opportunity: CDK2 driven cancers: ER positive breast cancer pre and post treatment with CDK4/6 inhibitors (474K patients), ovarian cancer (64K patients), and endometrial cancer (124K patients)

Patient diagnosed incidence #s, major markets (US, EU and JP): Decision Resources Group (DRG)

CDK2-directed MGD Shows Selective Degradation Over the Other CDKs





TMT Proteomics (24hr) - HEK293

CDK2-directed MGD Shows Biological Activity in a CDK2-dependent Cell Line



CDK2-directed MGDs Have a Differentiated MoA Compared to CDK2 Inhibitors





Inflammation and Immunology (I&I) Programs



QuEEN[™] Enables Access to Undruggable Targets in Immune Pathways

 Multiple highly validated, undruggable targets amenable to our platform identified 					
			1	nunity	Systemic Lupus Erythematosus
QUEEN [®] platform enables exquisite selectivity required for non-oncology diseases	Monocytes	Mast Cells	Neutrophils	Innate imr	Gout
 CRBN shown to allow tunable elimination of immune target proteins 	Natural Killer Cells	Macrophages	Dendritic Cells	immunity	Systemic Sclerosis
 VAV1 and NEK7 programs lead the way with multiple additional targets being explored 	T Cell	T Regulatory Cells	B Cells with Antibodies	Adaptive	Additional indications



VAV1 Program

VAV1 as a Target for Autoimmune Disease



Therapeutic hypothesis:

- VAV1 relays signals from both the T and B cell receptor
- VAV1 knockout/mutant mice have dysfunctional T cells and are resistant to immunopathologies such as autoimmune disease or graft-versus-host disease

Clinical Opportunity:

 Autoimmune disorders including rheumatoid arthritis (6.2M patients), multiple sclerosis (1.3M patients), myasthenia gravis (36K – 60K patients in US), and acute graft-versus-host disease (10K patients)

Patient diagnosed prevalence and incidence #s, major markets (US, EU and JP): DRG; Facts about Mvasthenia Gravis | MGFA accessed March 15, 2023

VAV1 is a Highly Validated Target for Attenuating T-cell Activity



Discovery of Highly Selective VAV1-directed MGDs



VAV1-directed MGD Inhibits Disease Progression in an EAE Mouse Model





NEK7 Program

NEK7 (NIMA-Related Kinase 7) as a Target for Inflammatory Disease

NEK7 is an essential regulator of the inflammasome



Therapeutic hypothesis: Diseases with over-activated or mutated NLRP3 inflammasome

- NEK7 licenses NLRP3 assembly in a kinase independent manner
- NEK7-deficient macrophages are severely impaired in IL-1 β and IL-18 secretion

Clinical opportunity: First-in-class NEK7 degraders for

- Over-activated NLRP3 inflammasome: metabolic pathologies, cardiovascular diseases, inflammatory issues and neurologic disorders
- NLRP3 activating mutations: Cryopyrin-associated periodic syndromes (CAPS)

NEK7-directed MGDs Modulate NLRP3 Pathway in Human Macrophages



Overactivation of the NLRP3 Inflammasome in Disease





Sickle Cell Disease Program

Transcriptional Repressors as Targets for Hemoglobinopathies (SCD and β -Thalassemia)

Zinc finger domain-containing transcriptional repressors of the fetal globin genes



Therapeutic hypothesis: To reactivate expression of fetal hemoglobin (HbF) to compensate for mutated adult globin

Clinical Opportunity: First-in-class degraders for

- Sickle cell disease (SCD)
 - 180,000 patients (US and EU)
 - >6M patients (ROW)
- β-thalassemia
 - 17,000 patients (US and EU)

Patient diagnosed prevalence #s: DRG; https://www.notaloneinsicklecell.com/Global-Impact-Of-SCD/#s21 accessed March 15, 2023



QuEEN[™] Discovery Engine

Quantitative and Engineered Elimination of Neosubstrates

QuEEN[™] Discovery Engine: Unique Capabilities Enable Our Rational and Target-Centric Approach to MGDs



Proprietary AI/ML engine

In silico degron & ternary complex discovery using proprietary AI-powered algorithms

Proprietary MGD library

Diverse and growing MGD library (~35K), rationally designed using structural insights to engage diverse degrons

Chemo-proteomics engine

Scaled chemo-proteomics engine to explore cellular complex formation and protein degradation in high throughput

Proximity screening platform

Specialized suite of *in vitro* assays to assess proximity and degradation in high throughput

A Rich, Differentiated Target Space Across Protein Domains and Diseases





Proprietary AI/ML Engines Enable the Discovery of Reprogrammable Ligases, Neosubstrates, and Selective MGDs





Creating a Highly Diverse CRBN-directed Library

MGDs Reprogram the Ligase Surface Remodeled MGD-CRBN surface enables selective engagement of neosubstrates



Increasing Novelty and Structural Diversity to Match the Degron Space



Expanding MGD Exit Vectorology Engages Novel Degron Classes





Summary

World-Class Leadership

Deep expertise in molecular glue discovery, drug development and Precision Medicine



Monte Rosa Therapeutics From serendipity to rational design of MGDs

Molecular glue-based targeted protein degradation platform developing breakthrough therapeutics that selectively degrade disease-causing proteins
Proprietary, target-centric drug discovery platform enabling rational design , and anticipated rapid development, of molecular glue-based degraders targeting the undruggable proteome in oncology and non-oncology diseases
Initial platform focus on cereblon-mediated protein degradation with hundreds of potential targets to address; potential to reprogram other E3 ligases to access more of the undruggable proteome through other degrons
Extensive and compelling pre-clinical <i>in vivo</i> data for GSPT1 program , demonstrating potent anti-tumor activity in MYC-driven tumor models with development candidate MRT-2359
Ongoing Phase 1/2 trial with MRT-2359 for the treatment of MYC-driven tumors including lung cancer patients
CDK2, NEK7, and VAV1 programs in lead optimization with additional programs at various stages of discovery
