UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549

FORM 10-Q

(Mark One)

☒ **QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the quarterly period ended June 30, 2025

OR

☐ **TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the transition period from _____ to _____.

Commission File Number: 001-40800

TYRA BIOSCIENCES, INC.

(Exact Name of Registrant as Specified in its Charter)

Delaware	**83-1476348**
(State or other jurisdiction of incorporation or organization)	**(I.R.S. Employer Identification No.)**
2656 State Street	
Carlsbad, California	**92008**
(Address of principal executive offices)	**(Zip Code)**

Registrant's telephone number, including area code: (619) 728-4760

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	**TYRA**	**The Nasdaq Global Select Market**

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ☒ No ☐

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes ☒ No ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	☐	Accelerated filer	☐
Non-accelerated filer	☒	Smaller reporting company	☒
Emerging growth company	☒		

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. ☐

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes ☐ No ☒

As of August 11, 2025, the registrant had 53,297,140 shares of common stock, $0.0001 par value per share, outstanding.

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PART I—FINANCIAL INFORMATION

Item 1. Condensed Financial Statements

Tyra Biosciences, Inc.
Condensed Balance Sheets
(in thousands, except share and per share data)

	June 30, 2025 (unaudited)	December 31, 2024
Assets		
Current assets:		
Cash and cash equivalents	$ 98,490	$ 91,966
Marketable securities	197,781	249,475
Prepaid expenses and other current assets	5,884	6,022
Total current assets	302,155	347,463
Restricted cash	1,000	1,000
Property and equipment, net	1,413	1,651
Right-of-use assets	5,822	6,068
Other long-term assets	11,109	7,376
Total assets	$ 321,499	$ 363,558
Liabilities and Stockholders' Equity		
Current liabilities:		
Accounts payable	$ 2,245	$ 590
Lease liabilities, current	441	412
Accrued expenses and other current liabilities	11,084	13,592
Total current liabilities	13,770	14,594
Lease liabilities, noncurrent	5,582	5,810
Other long-term liabilities	—	3
Total liabilities	19,352	20,407
Commitments and contingencies (Note 9)		
Stockholders' equity:		
Preferred stock, $0.0001 par value; 50,000,000 shares authorized at June 30, 2025 and December 31, 2024; no shares issued and outstanding at June 30, 2025 and December 31, 2024.	—	—
Common stock, $0.0001 par value; 500,000,000 shares authorized at June 30, 2025 and December 31, 2024; 53,233,494 and 50,754,262 shares issued at June 30, 2025 and December 31, 2024, respectively, and 53,233,494 and 50,749,945 shares outstanding at June 30, 2025 and December 31, 2024, respectively.	5	5
Additional paid-in capital	609,262	593,687
Accumulated other comprehensive income	436	770
Accumulated deficit	(307,556)	(251,311)
Total stockholders' equity	302,147	343,151
Total liabilities and stockholders' equity	$ 321,499	$ 363,558

See accompanying notes to unaudited condensed financial statements.

Tyra Biosciences, Inc.
Condensed Statements of Operations and Comprehensive Loss
(unaudited)
(in thousands, except share and per share data)

	Three Months Ended June 30,		Six Months Ended June 30,	
	2025	2024	2025	2024
Operating expenses:				
Research and development	$ 24,309	$ 17,997	$ 49,273	$ 35,199
General and administrative	7,143	5,535	14,029	10,654
Total operating expenses	31,452	23,532	63,302	45,853
Loss from operations	(31,452)	(23,532)	(63,302)	(45,853)
Other income:				
Interest and other income, net	3,354	4,830	7,057	8,959
Total other income	3,354	4,830	7,057	8,959
Net loss	(28,098)	(18,702)	(56,245)	(36,894)
Unrealized loss on marketable securities available-for-sale, net	(252)	(178)	(334)	(565)
Comprehensive loss	$ (28,350)	$ (18,880)	$ (56,579)	$ (37,459)
Net loss per share, basic and diluted	$ (0.47)	$ (0.32)	$ (0.95)	$ (0.67)
Weighted-average shares used to compute net loss per share, basic and diluted	59,550,771	58,668,712	59,442,646	55,448,823

See accompanying notes to unaudited condensed financial statements.

Tyra Biosciences, Inc.
Condensed Statements of Stockholders' Equity
(unaudited)
(in thousands, except share amounts)

	Common Stock		Additional Paid-In Capital	Accumulated Other Comprehensive Income (Loss)	Accumulated Deficit	Total Stockholders' Equity
	Shares	Amount				
Balance at December 31, 2023	43,024,634	$ 4	$ 368,707	$ 381	$ (164,830)	$ 204,262
Issuance of common stock under Private Placement, net of issuance costs of $0.2 million	9,286,023	1	120,557	—	—	120,558
Issuance of pre-funded warrants, net of issuance costs of $0.2 million	—	—	79,022	—	—	79,022
Issuance of common stock under benefit plans	135,972	—	484	—	—	484
Vesting of shares of common stock subject to repurchase	27,904	—	17	—	—	17
Stock-based compensation	—	—	4,115	—	—	4,115
Unrealized loss on marketable securities available-for-sale, net	—	—	—	(387)	—	(387)
Net loss	—	—	—	—	(18,192)	(18,192)
Balance at March 31, 2024	52,474,533	$ 5	$ 572,902	$ (6)	$ (183,022)	$ 389,879
Issuance of common stock under benefit plans	246,887	—	624	—	—	624
Vesting of shares of common stock subject to repurchase	15,038	—	9	—	—	9
Stock-based compensation	—	—	4,411	—	—	4,411
Unrealized loss on marketable securities available-for-sale, net	—	—	—	(178)	—	(178)
Net loss	—	—	—	—	(18,702)	(18,702)
Balance at June 30, 2024	52,736,458	$ 5	$ 577,946	$ (184)	$ (201,724)	$ 376,043

See accompanying notes to unaudited condensed financial statements.

Tyra Biosciences, Inc.
Condensed Statements of Stockholders' Equity
(unaudited)
(in thousands, except share amounts)

	Common Stock		Additional Paid-In Capital	Accumulated Other Comprehensive Income	Accumulated Deficit	Total Stockholders' Equity
	Shares	Amount				
Balance at December 31, 2024	50,749,945	$ 5	$ 593,687	$ 770	$ (251,311)	$ 343,151
Issuance of common stock pursuant to pre-funded warrant exercise	2,000,069	—	—	—	—	—
Issuance of common stock under benefit plans	335,626	—	2,187	—	—	2,187
Vesting of shares of common stock subject to repurchase	4,317	—	3	—	—	3
Stock-based compensation	—	—	6,422	—	—	6,422
Unrealized loss on marketable securities available-for-sale, net	—	—	—	(82)	—	(82)
Net loss	—	—	—	—	(28,147)	(28,147)
Balance at March 31, 2025	53,089,957	$ 5	$ 602,299	$ 688	$ (279,458)	$ 323,534
Issuance of common stock under benefit plans	143,537	—	583	—	—	583
Stock-based compensation	—	—	6,380	—	—	6,380
Unrealized loss on marketable securities available-for-sale, net	—	—	—	(252)	—	(252)
Net loss	—	—	—	—	(28,098)	(28,098)
Balance at June 30, 2025	53,233,494	$ 5	$ 609,262	$ 436	$ (307,556)	$ 302,147

See accompanying notes to unaudited condensed financial statements.

Tyra Biosciences, Inc.
Condensed Statements of Cash Flows
(unaudited)
(in thousands)

	Six Months Ended June 30,	
	2025	2024
Cash flows from operating activities:		
Net loss	$ (56,245)	$ (36,894)
Adjustments to reconcile net loss to net cash used in operating activities:		
Depreciation	283	248
Stock-based compensation	12,802	8,526
Accretion of marketable securities, net	(1,574)	(3,096)
Changes in operating assets and liabilities:		
Prepaid expenses and other assets	(3,595)	3,760
Accounts payable, accrued expenses and other liabilities	(856)	(4,964)
Right-of-use assets and lease liabilities, net	47	134
Net cash used in operating activities	(49,138)	(32,286)
Cash flows from investing activities:		
Purchases of marketable securities	(26,976)	(189,197)
Maturities of marketable securities	79,913	62,885
Purchases of property and equipment	(45)	(606)
Net cash provided by (used in) investing activities	52,892	(126,918)
Cash flows from financing activities:		
Proceeds from issuances of common stock under benefit plans	2,770	1,108
Proceeds from issuance of common stock and pre-funded warrants from Private Placement	—	200,000
Payments of issuance costs for common stock and pre-funded warrants from Private Placement	—	(420)
Net cash provided by financing activities	2,770	200,688
Net cash increase for the period	6,524	41,484
Cash, cash equivalents and restricted cash at beginning of the period	92,966	59,006
Cash, cash equivalents and restricted cash at end of the period	$ 99,490	$ 100,490
Reconciliation of cash, cash equivalents and restricted cash to the balance sheet		
Cash and cash equivalents	$ 98,490	$ 99,490
Restricted cash	1,000	1,000
Total cash, cash equivalents and restricted cash	$ 99,490	$ 100,490
Supplemental disclosure of cash flow information:		
Non-cash investing and financing activities:		
Purchases of property and equipment included in accounts payable and accrued expenses and other current liabilities	$ —	$ 34
Vesting of options early exercised subject to repurchase	$ 3	$ 26

See accompanying notes to unaudited condensed financial statements.

Tyra Biosciences, Inc.
Notes to the Condensed Financial Statements
(unaudited)

1. Organization and Summary of Significant Accounting Policies

Organization

Tyra Biosciences, Inc. (the Company) was incorporated in the state of Delaware on August 2, 2018. The Company is a clinical-stage biotechnology company focused on developing next-generation precision medicines that target large opportunities in Fibroblast Growth Factor Receptor (FGFR) biology. The Company's in-house precision medicine platform, SNÅP, enables rapid and precise drug design through iterative molecular SNÅPshots that help predict genetic alterations most likely to cause acquired resistance to existing therapies. The Company's initial focus is on applying its accelerated small molecule drug discovery engine to develop therapies in targeted oncology and genetically defined conditions.

Basis of Presentation

The accompanying unaudited condensed financial statements have been prepared in accordance with generally accepted accounting principles in the United States (GAAP) for interim financial information and pursuant to the instructions of the Securities and Exchange Commission (SEC) on Form 10-Q and Rule 10-01 of Regulation S-X. Accordingly, they do not include all of the information and disclosures required by GAAP for complete financial statements. Any reference in these notes to applicable guidance is meant to refer to GAAP as found in the Accounting Standards Codification (ASC) and Accounting Standards Updates (ASU) promulgated by the Financial Accounting Standards Board (FASB). The unaudited condensed financial statements include only normal and recurring adjustments that the Company believes are necessary to fairly state the Company's financial position and the results of its operations and cash flows. The results for the three and six months ended June 30, 2025 and 2024 are not necessarily indicative of the results expected for the full fiscal year or any subsequent interim period. The condensed balance sheet at June 30, 2025 has been derived from the financial statements at that date but does not include all disclosures required by GAAP for complete financial statements. Because all of the disclosures required by GAAP for complete financial statements are not included herein, these unaudited condensed financial statements and the notes accompanying them should be read in conjunction with the Company's Annual Report on Form 10-K for the year ended December 31, 2024.

Summary of Significant Accounting Policies

During the three and six months ended June 30, 2025, there have been no changes to the Company's significant accounting policies as described in the Company's Annual Report on Form 10-K for the year ended December 31, 2024.

Fair Value Measurements

The Company measures cash equivalents and available-for-sale debt securities at fair value. Fair value is defined as an exit price, representing the amount that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants. Therefore, fair value is a market-based measurement that is determined based on assumptions that market participants would use in pricing an asset or liability. Fair value is affected by a number of factors, including the type of asset or liability, the characteristics specific to the asset or liability and the state of the marketplace, including the existence and transparency of transactions between market participants. As a basis for considering such assumptions, the accounting guidance establishes a three-tier fair value hierarchy, which prioritizes the inputs used in measuring fair value as follows:

Level 1—Unadjusted quoted prices in active markets that are accessible at the measurement date for identical, unrestricted assets or liabilities.

Level 2—Quoted prices for similar assets and liabilities in active markets, quoted prices in markets that are not active, or inputs that are observable, either directly or indirectly, for substantially the full term of the asset or liability.

Level 3—Prices or valuation techniques that require inputs that are both significant to the fair value measurement and unobservable (i.e. supported by little or no market activity).

Money market funds are highly liquid investments and are classified as Level 1. The pricing information for these assets is readily available and can be independently validated as of the measurement date. Available-for-sale debt securities, including U.S. Treasury securities and U.S. Agency bonds are classified as Level 2. These securities are valued using fair value from third-party pricing services, which may use observable inputs based on real-time trade data for similar assets, broker/dealer quotes, bids and/or offers and other observable inputs. The Company validates valuations obtained from third-party pricing services by understanding the models used and obtaining market values from independent sources.

Marketable Securities

Marketable securities consist of debt securities of government-sponsored entities. These securities are classified as available-for sale, as the sale of such securities may be required prior to their maturity. Available-for-sale securities are recorded at fair value, with the related unrealized gains and losses included in accumulated other comprehensive income or loss and included as a separate component of stockholders' equity. The amortized cost of available-for-sale securities reflects amortization of premiums and accretion of discounts to maturity. Premiums and discounts on debt securities are amortized or accreted into interest and other income, net. The Company classifies investments in marketable debt securities as current assets, regardless of the stated maturity date, which may be beyond one year from the current balance sheet date. Short-term classification reflects management's view that the entire portfolio is available, and the Company may use the proceeds from sales of these investments to fund current operations, as necessary.

Allowance for Credit Losses

The Company regularly reviews its portfolio for declines in fair value. For investments in an unrealized loss position, the Company assesses whether the decline is based on credit losses or other factor. As part of this assessment, the Company considers the cause of the impairment, the creditworthiness of the security issuers, current market conditions, the number of securities in an unrealized loss position, the severity of the losses, whether it will be required or will intend to sell the investment before recovery of its amortized cost basis. If fair value decline is determined to be due to a credit-related factor, the amortized cost basis is written down to fair value through net loss. If fair value decline is not due to credit-related factors, a loss is recorded in other comprehensive income or loss. The Company recognizes an allowance for credit losses up to the amount of the unrealized loss when appropriate.

We do not measure an allowance for credit losses for accrued interest receivables. For the purposes of identifying and measuring an impairment, accrued interest is excluded from both the fair value and amortized costs basis of the investment. Uncollectible accrued interest receivables associated with an impaired marketable security are reversed against interest income in a timely manner upon identification of the impairment.

Restricted Cash

Restricted cash is comprised of cash that is restricted as to its withdrawal or use under the terms of certain contractual agreements. Restricted cash as of June 30, 2025 and December 31, 2024 was $1.0 million, which consisted of collateral for letters of credit related to the Company’s operating leases.

Net Loss Per Share

Basic net loss per share is calculated by dividing the net loss by the weighted-average number of common shares outstanding for the period. Diluted net loss per share is computed by dividing the net loss by the weighted-average number of shares of common stock and common stock equivalents outstanding for the period. Common stock equivalents are only included when their effect is dilutive. Pre-funded warrants are considered outstanding for the purposes of computing basic and diluted net loss per share because shares may be issued for little or no additional consideration and are fully vested and exercisable after the original issuance date of the pre-funded warrant. The Company’s potentially dilutive securities include unvested common stock upon early exercise of stock options, outstanding stock options under the Company’s equity incentive plan, and estimated shares purchasable under the employee stock purchase plan, and have been excluded from the computation of diluted net loss per share as their inclusion would be anti-dilutive. For all periods presented, there is no difference in the number of shares used to calculate basic and diluted shares outstanding due to the Company’s net loss position.

Commitments and Contingencies

The Company recognizes a liability with regard to loss contingencies when it believes it is probable a liability has been incurred, and the amount can be reasonably estimated. If some amount within a range of loss appears at the time to be a better estimate than any other amount within the range, the Company accrues that amount. When no amount within the range is a better estimate than any other amount the Company accrues the minimum amount in the range.

Issued Accounting Pronouncements Not Yet Adopted

In December 2023, the FASB issued ASU 2023-09, "*Income Taxes (Topic 740): Improvements to Income Tax Disclosures*." ASU 2023-09 requires disaggregated information about a reporting entity's effective tax rate reconciliation as well as information on income taxes paid. ASU 2023-09 is effective for public entities with annual periods beginning after December 15, 2024, with early adoption permitted. The Company is currently evaluating the impact of ASU 2023-09 on its financial statements and related disclosures.

In November 2024, the FASB issued ASU 2024-03, "*Income Statement-Reporting Comprehensive Income-Expense Disaggregation Disclosures (Subtopic 220-40): Disaggregation of Income Statement Expenses*". In January 2025, the FASB issued ASU 2025-01, "Income Statement—Reporting Comprehensive Income—Expense Disaggregation Disclosures (Subtopic 220-40): Clarifying the Effective Date", to clarify the effective date of ASU 2024-03. These amendments are intended to provide more information about certain costs and expenses on an interim and annual basis. The amendments are effective for annual periods beginning after December 15, 2026 and interim periods within fiscal years beginning after December 15, 2027, with early adoption permitted. The new standards are expected to be applied prospectively, but retrospective application is permitted. The Company is currently evaluating the impact on its financial statements and related disclosures.

2. Fair Value Measurements

The following tables show the Company's cash equivalents and marketable securities measured at fair value as of June 30, 2025 and December 31, 2024 (in thousands):

	June 30, 2025			
	Total	Quoted prices in active markets for identical assets (Level 1)	Significant other observable inputs (Level 2)	Significant unobservable inputs (Level 3)
Cash equivalents:				
Money market funds	$ 72,922	$ 72,922	$ —	$ —
U.S. government agency securities	2,992	—	2,992	—
Total cash equivalents	75,914	72,922	2,992	—
Marketable securities:				
U.S. Treasury securities	110,878	—	110,878	—
U.S. government agency securities	86,903	—	86,903	—
Total marketable securities	197,781	—	197,781	—
Total	$ 273,695	$ 72,922	$ 200,773	$ —

	December 31, 2024			
	Total	Quoted prices in active markets for identical assets (Level 1)	Significant other observable inputs (Level 2)	Significant unobservable inputs (Level 3)
Cash equivalents:				
Money market funds	$ 69,698	$ 69,698	$ —	$ —
Marketable securities:				
U.S. Treasury securities	122,980	—	122,980	—
U.S. government agency securities	126,495	—	126,495	—
Total marketable securities	249,475	—	249,475	—
Total	$ 319,173	$ 69,698	$ 249,475	$ —

The carrying amounts of the Company's prepaid and other current assets, accounts payable, and accrued and other current liabilities approximate fair value due to their short maturities. None of the Company's non-financial assets or liabilities are recorded at fair value on a non-recurring basis. There were no transfers between Levels 1, 2 or 3 for any of the periods presented.

3. Marketable Securities

The following tables summarize the Company's marketable securities (see below and Note 2) accounted for as available-for-sale securities (in thousands, except years):

	June 30, 2025				
	Maturity (in years)	Amortized cost	Unrealized gains	Unrealized losses	Estimated fair value
U.S. Treasury securities	Less than one	$ 88,535	$ 215	$ (11)	$ 88,739
U.S. government agency securities	Less than one	79,207	160	(5)	79,362
U.S. Treasury securities	1-2	22,084	55	—	22,139
U.S. government agency securities	1-2	7,519	22	—	7,541
Total		$ 197,345	$ 452	$ (16)	$ 197,781

	December 31, 2024				
	Maturity (in years)	Amortized cost	Unrealized gains	Unrealized losses	Estimated fair value
U.S. Treasury securities	Less than one	$ 77,990	$ 210	$ (3)	$ 78,197
U.S. government agency securities	Less than one	94,153	189	(9)	94,333
U.S. Treasury securities	1-2	44,547	239	(3)	44,783
U.S. government agency securities	1-2	32,015	159	(12)	32,162
Total		$ 248,705	$ 797	$ (27)	$ 249,475

The following tables present fair values and gross unrealized losses for those available-for-sale securities that were in an unrealized loss position, aggregated by category and the length of time that the securities have been in a continuous loss position (in thousands):

	June 30, 2025					
	Less than 12 months		12 months or longer		Total	
	Fair value	Unrealized losses	Fair value	Unrealized losses	Fair value	Unrealized losses
U.S. Treasury securities	$ 26,856	$ (11)	$ —	$ —	$ 26,856	$ (11)
U.S. government agency securities	7,456	(5)	—	—	7,456	(5)
Total	$ 34,312	$ (16)	$ —	$ —	$ 34,312	$ (16)

	December 31, 2024					
	Less than 12 months		12 months or longer		Total	
	Fair value	Unrealized losses	Fair value	Unrealized losses	Fair value	Unrealized losses
U.S. Treasury securities	$ 16,033	$ (6)	$ —	$ —	$ 16,033	$ (6)
U.S. government agency securities	9,891	(21)	—	—	9,891	(21)
Total	$ 25,924	$ (27)	$ —	$ —	$ 25,924	$ (27)

As of June 30, 2025, there were eight available-for-sale securities with an estimated fair value of $34.3 million in gross unrealized loss positions for less than 12 months. As of June 30, 2025, unrealized losses on available-for-sale securities are not attributed to credit risk. The Company believes that an allowance for credit losses is unnecessary because the unrealized loss is due to market factors and interest rate fluctuations. Additionally,

the Company does not intend to sell the securities nor is it more likely than not that the Company will be required to sell the securities before recovery of their amortized cost basis.

The amortized cost and fair value of marketable securities excludes $1.7 million and $2.0 million of accrued interest receivable as of June 30, 2025 and December 31, 2024, respectively. Accrued interest receivable is included in prepaid expenses and other current assets on the Company's condensed balance sheets. We have not written off any accrued interest receivables for the periods ended June 30, 2025 and December 31, 2024.

4. Accrued Expenses and Other Current Liabilities

Accrued expenses and other current liabilities consisted of the following (in thousands):

	June 30, 2025	December 31, 2024
Accrued payroll and other employee benefits	$ 2,724	$ 6,451
Accrued research and development expenses	7,864	6,612
Accrued legal and professional fees	209	296
Accrued other general and administrative fees	287	233
Total accrued and other current liabilities	$ 11,084	$ 13,592

5. Stockholders' Equity

Common stock reserved for future issuance consisted of the following:

	June 30, 2025	December 31, 2024
Common stock options granted and outstanding	10,408,456	10,462,129
Shares available for future issuance under the 2021 Incentive Award Plan	5,189,786	3,051,588
Shares available for future issuance under the 2021 Employee Stock Purchase Plan	1,972,762	1,491,195
Pre-funded warrants issued and outstanding	6,381,950	8,382,187
Total common stock reserved for future issuance	23,952,954	23,387,099

On October 3, 2022, the Company entered into an ATM Sales Agreement (the 2022 Sales Agreement) with Virtu Americas LLC (the 2022 Agent), under which the Company could have, from time to time, sold shares of its common stock having an aggregate offering price of up to $150.0 million, in “at the market” offerings through the 2022 Sales Agent. The 2022 Agent would have received a commission from the Company of up to 3.0% of the gross proceeds of any shares of common stock sold under the 2022 Sales Agreement. No shares of common stock were issued and sold pursuant to the 2022 Sales Agreement. The Company terminated the 2022 Sales Agreement in May 2025.

On May 8, 2025, the Company entered into a Sales Agreement (the 2025 Sales Agreement) with TD Securities (USA) LLC (the 2025 Sales Agent), under which the Company may, from time to time, sell shares of its common stock having an aggregate offering price of up to $150.0 million, in “at the market” offerings through the 2025 Sales Agent. Sales of the shares of common stock, if any, will be made at prevailing market prices at the time of sale, or as otherwise agreed with the 2025 Sales Agent. The 2025 Sales Agent will receive a commission from the Company of up to 3.0% of the gross proceeds of any shares of common stock sold under the 2025 Sales Agreement. As of June 30, 2025, no shares of common stock had been issued and sold pursuant to the 2025 Sales Agreement.

On February 1, 2024, the Company entered into a securities purchase agreement for a private placement of 9,286,023 shares of the Company's common stock at a price of $13.01 per share (the 2024 Private Placement). The 2024 Private Placement also included pre-funded warrants (the 2024 Pre-Funded Warrants) to purchase an aggregate of 6,087,230 shares of common stock at a purchase price of $13.009 per pre-funded warrant. Each pre-funded warrant has an exercise price of $0.001 per share of common stock, is immediately exercisable on the date of issuance and will not expire. The 2024 Private Placement closed on February 6, 2024 and the Company received gross proceeds of approximately $200.0 million, before deducting offering expenses of $0.4 million. In connection with the 2024 Private Placement, the Company issued 4,780,846 shares of common stock and pre-funded warrants to purchase 2,243,737 shares of common stock to related parties, resulting in aggregate gross proceeds of

approximately $91.4 million. On March 19, 2024, the Company filed a registration statement on Form S-3 with the SEC registering the resale of the shares of common stock issued, or underlying the pre-funded warrants issued, in the 2024 Private Placement. The 2024 Pre-funded Warrants did not meet the characteristics of a liability or a derivative and are classified within stockholders' equity.

On October 18, 2024, the Company entered into an exchange agreement with Boxer Capital and RA Capital, the Company's stockholders and related parties to the Company at the time of the exchange. Pursuant to the exchange agreement (i) Boxer Capital agreed to exchange 2,000,000 shares of the Company's common stock for one or more pre-funded warrants to acquire an aggregate of 2,000,000 shares of common stock and (ii) RA Capital agreed to exchange 1,000,000 shares of common stock for one or more pre-funded warrants to acquire an aggregate of 1,000,000 shares of common stock (each of such pre-funded warrants an Exchange Warrant and collectively the Exchange Warrants, and such exchanges of common stock for Exchange Warrants collectively the Exchange). Each Exchange Warrant has an exercise price of $0.001 per share of common stock, is immediately exercisable on the date of issuance and will not expire. No cash was exchanged related to the transaction. The Exchange closed on October 22, 2024. The Exchange Warrants did not meet the characteristics of a liability or a derivative and are classified within stockholders' equity.

During the six months ended June 30, 2025, Boxer Capital exercised 2,000,000 of the Exchange Warrants and 237 of the 2024 Pre-Funded Warrants in cashless transactions, which resulted in an aggregate of 2,000,069 shares of common stock being issued. As of June 30, 2025, a total of 6,381,950 pre-funded warrants remained available for exercise, including 1,000,000 Exchange Warrants and 5,381,950 2024 Pre-Funded Warrants.

6. Equity Incentive Plans and Stock-Based Compensation

2021 Incentive Award Plan

In September 2021, the Company's Board of Directors adopted, and its stockholders approved, the 2021 Incentive Award Plan (the 2021 Plan). Upon the adoption of the 2021 Plan, the Company restricted the grant of future equity awards under the 2020 Equity Incentive Plan (the 2020 Plan).

The 2021 Plan provides for the grants of stock options and other equity-based awards to employees, non-employee directors, and consultants of the Company. Shares that expire, terminate or are cancelled under the 2020 Plan are added back to the 2021 Plan share reserve. In addition, the number of shares of the Company's common stock available for issuance under the 2021 Plan automatically increases on the first day of each fiscal year, beginning with the Company's 2022 fiscal year, in an amount equal to the lesser of (1) 5% of the outstanding shares of the Company's common stock on the last day of the immediately preceding fiscal year, or (2) such smaller amount as determined by the Company's Board of Directors. The Company issues new shares of common stock upon exercise of options. As of June 30, 2025, 5,189,786 shares were available for future grant under the 2021 Plan.

A summary of the Company's stock option activity for the period ended June 30, 2025 was as follows (in thousands, except share and per share data and years):

	Options	Weighted-Average Exercise Price per Share	Weighted-Average Remaining Contractual Term	Aggregate Intrinsic Value
Outstanding at December 31, 2024	10,462,129	$ 13.43	7.6	$ 33,798
Granted	1,030,100	$ 10.81		
Exercised	(453,188)	$ 5.55		
Cancelled	(630,585)	$ 16.21		
Outstanding at June 30, 2025	10,408,456	$ 13.34	7.7	$ 13,796
Exercisable at June 30, 2025	5,460,417	$ 11.16	6.8	$ 12,305
Vested and expected to vest as of June 30, 2025	10,408,456	$ 13.34	7.7	$ 13,796

Employee Stock Purchase Plan

In September 2021, the Company's Board of Directors adopted, and its stockholders approved, the 2021 Employee Stock Purchase Plan (ESPP). The ESPP permits eligible employees who elect to participate in an offering under the ESPP to have up to 15% of their eligible earnings withheld, subject to certain limitations, to purchase shares of common stock pursuant to the ESPP. The price of common stock purchased under the ESPP is equal to 85% of the lower of the fair market value of the common stock at the commencement date of each offering period or the relevant date of purchase. As of June 30, 2025, there were 1,972,762 shares available for future purchase under the ESPP.

Stock-Based Compensation Expense

The Company estimated the fair value of stock options using the Black-Scholes valuation model. The Company accounts for forfeitures of options when they occur. Previously recognized compensation expense for an award is reversed in the period that the award is forfeited. The fair value of stock options was estimated using the following assumptions:

	Six Months Ended June 30,	
	2025	2024
Risk-free rate of interest	3.8 - 4.4%	4.2 - 4.6%
Expected term (years)	5.3 - 6.1	5.3 - 6.1
Expected stock price volatility	86.3 - 95.4%	87.8 - 93.5%
Dividend yield	—	—

Stock-based compensation expense recognized for all equity awards has been reported in the condensed statements of operations and comprehensive loss as follows (in thousands):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2025	2024	2025	2024
Research and development expense	$ 3,690	$ 2,658	$ 7,368	$ 5,133
General and administrative expense	2,690	1,753	5,434	3,393
Total	$ 6,380	$ 4,411	$ 12,802	$ 8,526

The weighted-average grant date fair value of options granted for the six months ended June 30, 2025 and 2024 was $8.30 and $13.41 per share, respectively.

For the six months ended June 30, 2025 and 2024, forfeitures resulting in the reversal of compensation expenses were immaterial.

As of June 30, 2025, the unrecognized compensation cost related to options was $56.3 million, and is expected to be recognized as expense over a weighted-average period of approximately 2.3 years.

As of June 30, 2025, the unrecognized compensation cost related to ESPP was $0.6 million, and is expected to be recognized as expense over a weighted-average period of approximately 1.5 years.

7. Net Loss Per Share

The following table sets forth the computation of the basic and diluted net loss per share (in thousands, except share and per share amounts):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2025	2024	2025	2024
Numerator:				
Net loss	$ (28,098)	$ (18,702)	$ (56,245)	$ (36,894)
Denominator:				
Weighted-average common shares outstanding	59,550,771	58,707,309	59,442,646	55,496,543
Less: weighted-average unvested common stock issued upon early exercise of common stock options	—	(38,597)	—	(47,720)
Weighted-average shares used to compute net loss per common share, basic and diluted	59,550,771	58,668,712	59,442,646	55,448,823
Net loss per share, basic and diluted	$ (0.47)	$ (0.32)	$ (0.95)	$ (0.67)

Shares issuable pursuant to the 2024 Pre-Funded Warrants and the Exchange Warrants are included in the calculation of weighted-average shares of common stock outstanding, both basic and diluted, for the three and six months ended June 30, 2025. Shares issuable pursuant to the 2024 Pre-Funded Warrants are included in the calculation of weighted-average shares outstanding, both basic and diluted, for the three and six months ended June 30, 2024. These warrants are exercisable at any time for nominal consideration, and therefore, the shares thereunder are considered outstanding for the purpose of calculating basic and diluted net loss per share.

The following table sets forth the outstanding potentially dilutive securities that have been excluded from the calculation of diluted net loss per share because their inclusion would be anti-dilutive.

	As of June 30,	
	2025	2024
Options to purchase common stock	10,408,456	8,600,436
Unvested common stock upon early exercise of stock options	—	31,479
Estimated shares purchasable under the ESPP	24,737	20,105
	10,433,193	8,652,020

8. Leases

The Company has two operating leases for its office and laboratory space in Carlsbad, California that expire in November 2033. The Company has an option to renew the leases for two additional three-year periods. The Company did not include the renewal periods in determining the lease term, as the Company was not reasonably certain to exercise them.

In connection with the Company's lease agreements, the Company paid security deposits of $0.1 million and is required to maintain a letter of credit of $1.0 million. The letter of credit may be reduced to $0.9 million in 2027 and further reduced to $0.5 million in 2028.

Cash paid for amounts included in the measurement of lease liabilities was $0.2 million and $0.4 million for the three and six months ended June 30, 2025, respectively, and $0.2 million and $0.3 million for the three and six months ended June 30, 2024, respectively.

The components of lease expense include operating, short-term and variable lease costs. Amortization is recorded within research and development and general and administrative expenses in the condensed statements of operations and comprehensive loss. Components of lease cost for the three and six months ended June 30, 2025 and 2024, respectively, were as follows (in thousands):

	Three Months Ended June 30,		Six Months Ended June 30,	
	2025	2024	2025	2024
Operating lease cost	$ 239	$ 239	$ 478	$ 478
Short-term lease cost	22	24	45	48
Variable lease cost	35	32	67	63
Total lease cost	$ 296	$ 295	$ 590	$ 589

Maturities of lease liabilities, weighted-average remaining term and weighted-average discount rate as of June 30, 2025 were as follows (in thousands):

Year ending December 31,	
2025 (remaining six months)	$ 442
2026	900
2027	927
2028	955
2029	983
Thereafter	4,048
Total minimum lease payments	8,255
Less: amount representing interest	(2,232)
Present value of lease liabilities	6,023
Less: current portion of lease liabilities	(441)
Lease liabilities, noncurrent	$ 5,582

	June 30, 2025	December 31, 2024
Weighted-average remaining lease term (years) - operating leases	8.4	8.9
Weighted-average incremental borrowing rate - operating leases	8.07%	8.07%

9. Commitments and Contingencies

Other Funding Commitments

As of June 30, 2025, the Company had ongoing clinical and pre-clinical studies for its various programs. The Company enters into contracts in the normal course of business with contract research organizations in preparation for clinical trials, professional consultants for expert advice and other vendors for clinical supply manufacturing or other services. These contracts are generally cancellable, with notice, at the Company's option and do not have significant cancellation penalties.

Litigation

The Company, from time to time, may be party to litigation arising in the ordinary course of business. The Company was not subject to any material legal proceedings as of June 30, 2025, and no material legal proceedings are currently pending or threatened. If the potential loss from any claim, asserted or unasserted, or legal proceeding is considered probable and the amount is reasonably estimable, the Company will accrue a liability for the estimated loss.

10. Segment Information

The Company reports segment information based on the management approach, which reflects the way in which the internal reporting is used by the chief operating decision maker (CODM) to analyze performance, make decisions and allocate resources. The CODM is the Company’s Chief Executive Officer.

The Company manages its operations as a single reportable segment, which includes all activities related to the research, development, and potential future commercialization of its small molecule drug development candidates. The CODM assesses performance and decides how to allocate resources based on net loss (presented in the condensed statements of operations and comprehensive loss). The measure of segment assets is reported on the Balance Sheets as total assets. All long-lived assets are located in the United States.

The table below shows a reconciliation of the Company's net loss, including the significant expense categories regularly provided to and reviewed by the CODM, to the Company's total net loss in the condensed statements of operations and comprehensive loss (in thousands):

	Three Months Ended June 30,		Six months ended June 30,	
	2025	2024	2025	2024
Research and development expenses:				
External research and development expenses by program:				
Dabogratinib (TYRA-300^{ACH})	$ 2,588	$ 2,133	$ 6,175	$ 3,538
Dabogratinib (TYRA-300^{NMIBC})	2,436	—	3,725	—
Dabogratinib (TYRA-300^{mUC})	1,993	3,529	5,248	8,063
TYRA-430	2,142	936	4,436	1,892
TYRA-200	1,329	1,051	2,794	1,955
FGFR discovery	3,311	1,816	6,443	3,193
Other development programs	457	734	971	1,570
Unallocated research and development expenses:				
Personnel costs[(1)]	8,660	6,248	16,683	12,138
Facilities and other costs[(2)]	1,393	1,550	2,798	2,850
Total research and development expenses	24,309	17,997	49,273	35,199
General and administrative expenses[(3)]	7,143	5,535	14,029	10,654
Interest and other income, net	(3,354)	(4,830)	(7,057)	(8,959)
Net loss	$ (28,098)	$ (18,702)	$ (56,245)	$ (36,894)

[(1)] Personnel costs include $3.7 million and $2.7 million of stock-based compensation for the three months ended June 30, 2025 and 2024, respectively, and $7.4 million and $5.1 million of stock-based compensation for the six months ended June 30, 2025 and 2024, respectively.

[(2)] Facilities and other costs consist of research consumables, facility-related costs, depreciation and costs not attributed to a specific program.

[(3)] General and administrative expenses consist of personnel-related expenses, including stock-based compensation, legal fees, facility-related costs, depreciation, professional and consulting fees and insurance costs.

11. Subsequent Events

On July 4, 2025, the One Big Beautiful Bill Act (OBBBA) was signed into law, which enacts significant changes to U.S. tax and related laws. The OBBBA includes provisions modifying the corporate income tax code, including the immediate expensing of domestic research and development expenditures for tax purposes and one hundred percent bonus depreciation for qualified assets. The Company is currently evaluating the impact the new tax law will have on its financial condition and results of operations. Preliminarily, the Company does not anticipate a material change to its effective income tax rate and its net deferred federal income tax assets as the Company maintains a full valuation allowance.

Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

The following discussion and analysis and the unaudited interim condensed financial statements included in this Quarterly Report on Form 10-Q should be read in conjunction with the financial statements and notes thereto for the year ended December 31, 2024 and the related Management's Discussion and Analysis of Financial Condition and Results of Operations, both of which are contained in the Annual Report on Form 10-K for the year ended December 31, 2024 (the 2024 Annual Report).

Forward-Looking Statements

This Quarterly Report on Form 10-Q (Quarterly Report) contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended (the Exchange Act). All statements other than statements of historical facts contained in this Quarterly Report, including statements regarding our future results of operations and financial position, business strategy, research and development plans, the anticipated timing and phase of development, costs, design and conduct of our ongoing and planned preclinical studies and clinical trials for our product candidates, the potential benefits of regulatory designations, the timing and likelihood of regulatory filings and approvals for our product candidates, the potential to develop product candidates and the safety and therapeutic benefits of our product candidates, our ability to commercialize our product candidates, if approved, the pricing and reimbursement of our product candidates, if approved, the timing and likelihood of success, plans and objectives of management for future operations and future results of anticipated product development efforts, are forward-looking statements. These statements involve known and unknown risks, uncertainties and other important factors that may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements.

In some cases, you can identify forward-looking statements by terms such as "anticipate," "believe," "contemplate," "continue" "could," "estimate," "expect," "intend," "may," "plan," "potential," "predict," "project," "should," "target" "will" or "would" or the negative of these terms or other similar expressions. The forward-looking statements in this Quarterly Report are only predictions. We have based these forward-looking statements largely on our current expectations and projections about future events and financial trends that we believe may affect our business, financial condition and results of operations. These forward-looking statements speak only as of the date of this Quarterly Report and are subject to a number of risks, uncertainties and assumptions, including, without limitation, the risk factors described in Part II, Item 1A, "Risk Factors" of this Quarterly Report. The events and circumstances reflected in our forward-looking statements may not be achieved or occur and actual results could differ materially from those projected in the forward-looking statements. Moreover, we operate in an evolving environment. New risk factors and uncertainties may emerge from time to time, and it is not possible for management to predict all risk factors and uncertainties. Except as required by applicable law, we do not plan to publicly update or revise any forward-looking statements contained herein, whether as a result of any new information, future events, changed circumstances or otherwise. All forward-looking statements are qualified in their entirety by this cautionary statement, which is made under the safe harbor provisions of the Private Securities Litigation Reform Act of 1995.

Overview

We are a clinical-stage biotechnology company focused on developing next-generation precision medicines for large opportunities in targeted oncology and genetically defined conditions, with an initial focus on Fibroblast Growth Factor Receptor (FGFR) biology.

Our in-house precision medicine platform, SNÅP, enables rapid and precise drug design through iterative molecular SNÅPshots that help us design and predict which product candidates may demonstrate the highest potency, selectivity and tolerability in the clinic. We have initially leveraged our SNÅP approach to develop dabogratinib (formerly TYRA-300), TYRA-430 and TYRA-200: three clinical-stage, novel small molecules designed to overcome the toxicity and resistance liabilities of first generation pan-FGFR inhibitors.

Our FGFR3 Programs - Dabogratinib for Bladder Cancer and Skeletal Conditions

Mutations in the protein receptor FGFR3 are a key driver in two indications with large market opportunities: bladder cancer and skeletal conditions. In bladder cancer, uncontrolled activation of FGFR3 on the cell surface stimulates cellular proliferation. In skeletal conditions, increased activity of FGFR3 expressed in growth plate chondrocytes (cartilage cells) results in excessive limitation of long bone growth.

Our lead program, dabogratinib, was designed to be more selective for FGFR3 over FGFR1, FGFR2, and FGFR4 to minimize off-target side effects, providing potential clinical advantages over less selective first-generation compounds and potentially addressing key unmet needs across both bladder cancer and skeletal conditions.

The current planned clinical development for dabogratinib includes Phase 2 clinical studies for the treatment of non-muscle invasive bladder cancer (SURF302) and the treatment of pediatric achondroplasia (BEACH301) and potentially for the treatment of metastatic urothelial carcinoma (SURF301).

BEACH301: This study is an open-label, Phase 2 dose-escalation/dose-expansion trial evaluating dabogratinib at lower doses (0.125, 0.25, 0.375, 0.50 mg/kg) in children ages 3 to 10 with achondroplasia (ACH) with open growth plates. Prior to initiation of the first two cohorts, the study has commenced enrolling a safety sentinel cohort of up to 3 participants per dose level in children ages 5 to 10. We expect to dose the first child in this study in the third quarter of 2025.

SURF302: This study is an open-label Phase 2 clinical trial evaluating the efficacy and safety of dabogratinib in participants with FGFR3-altered low-grade, intermediate risk (IR) non-muscle invasive bladder cancer (NMIBC). The study will enroll up to 90 participants at multiple sites primarily in the United States. Participants will be randomized initially to treatment with dabogratinib at 50 mg once daily (QD) (Cohort 1) or treatment with dabogratinib at 60 mg QD (Cohort 2). Following a review of efficacy and safety, an additional dosing cohort may be evaluated. The primary endpoint is complete response (CR) rate at three months. Secondary endpoints include time to recurrence, the median duration of response, recurrence free survival, progression free survival, safety and tolerability. We dosed the first patient in this study in June 2025. We expect to report initial three-month CR data in the first half of 2026.

SURF301: This ongoing study is an international, multicenter, open-label Phase 1/2 clinical trial that was designed to determine the optimal and maximum tolerated doses (MTD), and the recommended Phase 2 dose (RP2D) of dabogratinib, as well as to evaluate the preliminary antitumor activity of dabogratinib. In late October 2024, we reported interim data that in patients with FGFR3+ metastatic urothelial carcinoma (mUC) who received doses ≥ 90 mg once daily (QD), 6 out of 11 (54.5%) patients achieved a confirmed partial response. Preliminary data, as of the August 15, 2024 data cutoff, suggested dabogratinib was generally well-tolerated, with infrequent FGFR2- and FGFR1-associated toxicities. Dose optimization is ongoing in this study in preparation for potential future Phase 2 studies.

Our FGF19+ Program - TYRA-430 for Hepatocellular Carcinoma

FGF19 is a post-prandial enterohepatic hormone that signals through FGFR4 and its associated co-receptor Klotho Beta (KLB) to exert its normal cellular functions. In certain cancers, FGF19 is aberrantly expressed due to focal chromosomal amplifications or epigenetic mechanisms, promoting tumor cells to become dependent on the FGFR4/KLB/FGF19 oncogenic axis. Recent insights into FGF/FGFR signaling in HCC have indicated an important bypass mechanism in FGFR3, which shares the Klotho Beta coreceptor.

TYRA-430 was designed to be biased for FGFR4 and FGFR3 over the FGFR1 and FGFR2 isoforms specifically to address the FGF19 signaling pathway, while also potentially limiting side effects due to inhibition of FGFR1 and FGFR2, as well as to address acquired resistance mutations that have limited the efficacy of previous FGFR4-specific inhibitors. TYRA-430 is currently being evaluated in a global Phase 1 multicenter, open-label study, SURF431, that is designed to evaluate the safety, tolerability, pharmacokinetics and pharmacodynamics of TYRA-430 and determine the maximum tolerated dose and recommended Phase 2 dose, as well as evaluate the preliminary antitumor activity of TYRA-430. TYRA-430 is initially being studied in advanced HCC and other solid tumors with activating FGF/FGFR pathway aberrations. In April 2025, we commenced patient dosing in this study.

Our FGFR2 Program - TYRA-200 for Intrahepatic Cholangiocarcinoma

FGFR2 is a protein receptor present on the cell surface that promotes cellular proliferation and transformation upon binding of fibroblast growth factor. Activating gene alterations of FGFR2 have been implicated in the tumorigenesis of multiple solid tumor types, with pan-FGFR inhibitors approved for intrahepatic cholangiocarcinoma (ICC).

TYRA-200 is an FGFR1/2/3 inhibitor designed to be active against nearly all of the clinically identified acquired resistant mutations that arise during treatment with pan-FGFR inhibitors, which we believe is necessary to

address the problem of disease progression due to polyclonal resistance. TYRA-200 is currently being evaluated in a multicenter, open-label Phase 1 clinical study, SURF201 that is designed to evaluate the safety, tolerability, and pharmacokinetics of TYRA-200, determine the optimal dose for further development and the MTD and RP2D, and evaluate preliminary antitumor activity, with a focus on achieving proof-of-concept in a cohort of FGFR2-driven ICC resistant to previous FGFR inhibitors.

Financial Overview

Since the commencement of our operations in 2018, we have devoted substantially all of our resources to organizing and staffing the company, business planning, raising capital, developing our proprietary SNÅP platform, undertaking research and development activities for our development programs, establishing our intellectual property portfolio, and providing general and administrative support for our operations. We have not generated any revenue to date and have funded our operations primarily from our initial public offering (IPO), private placements of our convertible preferred stock, the issuance of Simple Agreements for Future Equity and the issuance of common stock and pre-funded common stock warrants through a private placement. Our net losses for the six months ended June 30, 2025 and 2024 were $56.2 million and $36.9 million, respectively. As of June 30, 2025, we had an accumulated deficit of $307.6 million. As of June 30, 2025, we had cash, cash equivalents and marketable securities of $296.3 million.

We have incurred significant operating losses since inception. Our net losses may fluctuate significantly from quarter-to-quarter and year-to-year, depending on the timing of our clinical development activities, other research and development activities and capital expenditures. We expect to continue to incur significant expenses and increasing operating losses for the foreseeable future particularly if and as we conduct preclinical studies and clinical trials, continue our research and development activities, utilize third parties to manufacture our product candidates and related raw materials, hire additional personnel, expand and protect our intellectual property, and incur additional costs associated with being a public company.

Based on our current operating plan, we believe that our cash, cash equivalents and marketable securities as of June 30, 2025 will be sufficient to fund our operating expenses and capital expenditures through at least 2027. We have never generated any revenue and do not expect to generate any revenue from product sales unless and until we successfully complete the development of and obtain regulatory approval for our product candidates, which will not be for several years, if ever. In addition, if we obtain regulatory approval for any of our product candidates, we expect to incur significant commercialization expenses related to product sales, marketing, manufacturing and distribution. Accordingly, until we can generate significant revenue from sales of our product candidates, if ever, we expect to finance our cash needs through equity offerings, debt financings or other capital sources, including potential collaborations, licenses and other similar arrangements. However, we may not be able to raise additional funds or enter into such other arrangements when needed or on favorable terms, or at all. If we are unable to raise additional capital or enter into such arrangements when needed, we could be forced to delay, limit, reduce or terminate our research and development programs or future commercialization efforts, or grant rights to develop and market our product candidates even if we would otherwise prefer to develop and market such product candidates ourselves.

Components of Results of Operations

Operating Expenses

Research and Development Expenses

To date, our research and development expenses consist primarily of external and internal costs related to the development of our SNÅP platform and our product candidates and development programs. Our research and development expenses primarily include:

- external costs, including:
  - expenses incurred in connection with conducting clinical trials, including investigator grants and site payments for time and pass-through expenses and expenses incurred under agreements with contract research organizations (CROs), central laboratories and other vendors and service providers engaged to conduct our trials;

- expenses incurred in connection with the discovery and preclinical development of our product candidates, including under agreements with third parties, such as consultants and CROs;
- costs associated with consultants for chemistry, manufacturing and controls (CMC) development, and other services;
- the cost of manufacturing compounds for use in our preclinical studies, including under agreements with third parties, such as consultants and third-party manufacturers; and
- costs related to compliance with drug development regulatory requirements; and

- internal costs, including:
  - employee-related expenses, including salaries, related benefits, travel and share-based compensation expenses for employees engaged in research and development functions;
  - the costs of laboratory supplies and acquiring, developing and manufacturing preclinical study materials; and
  - facilities, depreciation and other indirect expenses, which include allocated expenses for rent and maintenance of facilities, and supplies.

We expense research and development expenses in the periods in which they are incurred. External expenses are recognized based on an evaluation of the progress to completion of specific tasks using information provided to us by our service providers or our estimate of the level of service that has been performed at each reporting date. We track external expenses on a development program and other program-specific basis. However, we do not track internal costs, such as personnel-related expenses, stock-based compensation expense, facility-related costs, and supplies, and certain external consultant costs on a program-specific basis because these costs are primarily deployed across multiple programs under development.

Research and development activities are central to our business model. There are numerous factors associated with the successful development of any of our product candidates, including future trial design and various regulatory requirements, many of which cannot be determined with accuracy at this time based on our stage of development. In addition, future regulatory factors beyond our control may impact our clinical development programs. Product candidates in later stages of development generally have higher development costs than those in earlier stages of development. As a result, we expect that our research and development expenses will increase substantially over the next several years as we advance our product candidates through preclinical studies into and through clinical trials, continue to discover and develop additional product candidates and expand our pipeline, maintain, expand, protect and enforce our intellectual property portfolio, and hire additional personnel.

Our future research and development expenses may vary significantly based on a wide variety of factors, such as:

- the number and scope, rate of progress, expense and results of our discovery and preclinical development activities and clinical trials;
- the number of trials required for approval;
- the number of sites included in each of our trials;
- the countries in which the trials are conducted;
- the length of time required to enroll eligible patients;
- the number of patients that participate in the trials;
- the ability to identify appropriate patients eligible for our clinical trials;
- the number of doses that patients receive;
- the drop-out or discontinuation rates of patients;

- potential additional safety monitoring requested by regulatory agencies;
- the duration of patient participation in the trials and follow-up;
- the phase of development of the product candidate;
- the efficacy and safety profile of the product candidate;
- the timing, receipt, and terms of any approvals from applicable regulatory authorities including the FDA and non-U.S. regulators;
- maintaining a continued acceptable safety profile of our product candidates following approval, if any;
- the cost and timing of manufacturing our product candidates;
- significant and changing government regulation and regulatory guidance;
- the ability to attract and retain personnel;
- the impact of any business interruptions to our operations or to those of the third parties with whom we work;
- geopolitical instability, such as the war and other conflicts in Ukraine and the Middle East;
- adverse effects on the financial markets, the global economy, the supply chain and our expenses due to tariffs and trade policies, pandemic or epidemic diseases, geopolitical instability, inflation, interest rates and other factors; and
- the extent to which we establish additional strategic collaborations or other arrangements.

A change in the outcome of any of these variables with respect to the development of any of our product candidates could significantly change the costs and timing associated with the development of that product candidate.

The process of conducting the necessary preclinical and clinical research to obtain regulatory approval is costly and time-consuming. The actual probability of success for our product candidates or any future candidates may be affected by a variety of factors. We may never succeed in achieving regulatory approval for any of our product candidates or any future candidates.

General and Administrative Expenses

General and administrative expenses consist primarily of personnel-related expenses, including employee salaries, bonuses, benefits, and stock-based compensation charges for personnel in executive, finance and other administrative functions. Other significant general and administrative expenses include legal fees relating to intellectual property and corporate matters, allocated facility-related costs, professional fees for accounting, tax, business development and consulting services and insurance costs. We expect our general and administrative expenses will increase for the foreseeable future to support our increased research and development activities, manufacturing activities, and the increased costs associated with operating as a public company. These increased costs will likely include increased expenses related to hiring additional personnel, audit, legal, regulatory and tax-related services associated with maintaining compliance with exchange listing and the Securities and Exchange Commission (SEC) requirements, director and officer insurance costs, and investor and public relations costs.

Other Income

Other income consists primarily of interest income from cash, cash equivalents and marketable securities and accretion income from marketable securities.

Results of Operations

Comparison of the Three Months Ended June 30, 2025 and 2024

The following table summarizes our results of operations for the periods indicated (in thousands):

	Three Months Ended June 30,		
	2025	2024	Change
Operating expenses:			
Research and development	$ 24,309	$ 17,997	$ 6,312
General and administrative	7,143	5,535	1,608
Total operating expenses	31,452	23,532	7,920
Loss from operations	(31,452)	(23,532)	(7,920)
Other income:			
Interest and other income, net	3,354	4,830	(1,476)
Total other income	3,354	4,830	(1,476)
Net loss	$ (28,098)	$ (18,702)	$ (9,396)

Research and Development Expenses

The following table summarizes our research and development expenses by development program for the periods indicated (in thousands):

	Three Months Ended June 30,		
	2025	2024	Change
External research and development expenses by program:			
Dabogratinib (TYRA-300^{ACH})	$ 2,588	$ 2,133	$ 455
Dabogratinib (TYRA-300^{NMIBC})	2,436	—	2,436
Dabogratinib (TYRA-300^{mUC})	1,993	3,529	(1,536)
TYRA-430	2,142	936	1,206
TYRA-200	1,329	1,051	278
FGFR discovery	3,311	1,816	1,495
Other development programs	457	734	(277)
Unallocated research and development expenses:			
Personnel costs	8,660	6,248	2,412
Facilities and other costs	1,393	1,550	(157)
Total research and development expenses	$ 24,309	$ 17,997	$ 6,312

Research and development expenses were $24.3 million and $18.0 million for the three months ended June 30, 2025 and 2024, respectively. The overall increase of $6.3 million was primarily related to a:

- $4.1 million increase in costs primarily driven by clinical start-up and enrollment activities for BEACH301, SURF302 and SURF431 and ongoing CMC activities;
- $2.4 million increase in compensation and other personnel expenses, including an increase in non-cash stock-based compensation costs of $1.0 million, driven by headcount growth; and
- Offset by a decrease in facilities and other operating costs of $0.2 million.

General and Administrative Expenses

General and administrative expenses were $7.1 million and $5.5 million for the three months ended June 30, 2025 and 2024, respectively. The increase of $1.6 million was primarily related to higher compensation and other personnel expenses, including an increase in non-cash stock-based compensation costs of $0.9 million, driven by headcount growth.

Other Income

Other income was $3.4 million and $4.8 million for the three months ended June 30, 2025 and 2024, respectively. The decrease of $1.4 million was due to lower interest rates and reduced balances in cash, cash equivalents and marketable securities.

Comparison of the Six Months Ended June 30, 2025 and 2024

The following table summarizes our results of operations for the periods indicated (in thousands):

	Six Months Ended June 30,		
	2025	2024	Change
Operating expenses:			
Research and development	$ 49,273	$ 35,199	$ 14,074
General and administrative	14,029	10,654	3,375
Total operating expenses	63,302	45,853	17,449
Loss from operations	(63,302)	(45,853)	(17,449)
Other income:			
Interest and other income, net	7,057	8,959	(1,902)
Total other income	7,057	8,959	(1,902)
Net loss	$ (56,245)	$ (36,894)	$ (19,351)

Research and Development Expenses

The following table summarizes our research and development expenses by development program for the periods indicated (in thousands):

	Six Months Ended June 30,		
	2025	2024	Change
External research and development expenses by program:			
Dabogratinib (TYRA-300^{ACH})	$ 6,175	$ 3,538	$ 2,637
Dabogratinib (TYRA-300^{NMIBC})	3,725	—	3,725
Dabogratinib (TYRA-300^{mUC})	5,248	8,063	(2,815)
TYRA-430	4,436	1,892	2,544
TYRA-200	2,794	1,955	839
FGFR discovery	6,443	3,193	3,250
Other development programs	971	1,570	(599)
Unallocated research and development expenses:			
Personnel costs	16,683	12,138	4,545
Facilities and other costs	2,798	2,850	(52)
Total research and development expenses	$ 49,273	$ 35,199	$ 14,074

Research and development expenses were $49.3 million and $35.2 million for the six months ended June 30, 2025 and 2024, respectively. The overall increase of $14.1 million was primarily related to a:

- $9.6 million increase in costs primarily driven by clinical start-up and enrollment activities for BEACH301, SURF302 and SURF431 and ongoing CMC activities; and
- $4.5 million increase in compensation and other personnel expenses, including an increase in non-cash stock-based compensation costs of $2.2 million, driven by headcount growth.

General and Administrative Expenses

General and administrative expenses were $14.0 million and $10.7 million for the six months ended June 30, 2025 and 2024, respectively. The increase of $3.3 million was primarily related to higher compensation and other personnel expenses, including an increase in non-cash stock-based compensation costs of $2.0 million, driven by headcount growth.

Other Income

Other income was $7.1 million and $9.0 million for the six months ended June 30, 2025 and 2024, respectively. The decrease of $1.9 million was due to lower interest rates and reduced balances in cash, cash equivalents and marketable securities.

Liquidity and Capital Resources

Sources of Liquidity

On February 6, 2024, we completed a private placement and issued 9,286,023 shares of our common stock and pre-funded warrants to purchase an aggregate of 6,087,230 shares of our common stock (the 2024 Private Placement) for net proceeds of approximately $199.6 million, excluding issuance costs of $0.4 million.

On October 3, 2022, we entered into an ATM Sales Agreement (the 2022 Sales Agreement) with Virtu Americas LLC (the 2022 Sales Agent), under which we could have, from time to time, sold shares of our common stock having an aggregate offering price of up to $150.0 million in "at the market" offerings through the 2022 Sales Agent. We did not sell any shares under the 2022 Sales Agreement. In connection with the 2025 Sales Agreement (as defined below), effective May 8, 2025, we terminated the 2022 Sales Agreement.

On May 8, 2025, we entered into a Sales Agreement (the 2025 Sales Agreement) with TD Securities (USA) LLC (the Sales Agent), under which we may, from time to time, sell shares of our common stock having an aggregate offering price of up to $150.0 million in "at the market" offerings through the Sales Agent. Sales of the shares of common stock, if any, will be made at prevailing market prices at the time of sale or as otherwise agreed with the Sales Agent. The Sales Agent will receive a commission from us of up to 3.0% of the gross proceeds of any shares of common stock sold under the Sales Agreement. As of June 30, 2025, we had not sold any shares under the 2025 Sales Agreement.

Cash Flows

The following table sets forth a summary of our cash flows for the periods indicated (in thousands):

	Six Months Ended June 30,		
	2025	2024	Change
Net cash provided by (used in):			
Operating activities	$ (49,138)	$ (32,286)	$ (16,852)
Investing activities	52,892	(126,918)	179,810
Financing activities	2,770	200,688	(197,918)
Net increase in cash and cash equivalents	$ 6,524	$ 41,484	$ (34,960)

Operating Activities

The increase of $16.9 million in net cash used in operating activities for the six months ended June 30, 2025, compared to the same period in 2024, was primarily due to an increase of $19.4 million in net loss and an increase in net changes in operating assets and liabilities of $3.3 million, offset by an increase of $4.3 million in non-cash stock-based compensation expense and a decrease of $1.5 million in non-cash net accretion on marketable securities.

Investing Activities

The increase of $179.8 million in net cash provided by investing activities for the six months ended June 30, 2025, compared to the same period in 2024, was driven by a reduction in purchases of marketable securities of $162.2 million, a $17.0 million increase in maturities of marketable securities, and a $0.6 million decrease in capital expenditures for property and equipment.

Financing Activities

The decrease of $197.9 million in net cash provided by financing activities for the six months ended June 30, 2025, compared to the same period in 2024, was primarily due to the $199.6 million in net proceeds from

the 2024 Private Placement received during the six months ended June 30, 2024. This decrease was partially offset by an increase of $1.7 million in proceeds from issuances of common stock under benefit plans.

Material Cash Requirements

Our material cash requirements consist of expected operating expenses to conduct our clinical trials and other research and development activities, personnel-related expenses and operating lease obligations.

Our primary uses of cash to date have been to fund our research and development activities, including with respect to dabogratinib, TYRA-430, TYRA-200 and other research programs, business planning, establishing and maintaining our intellectual property portfolio, hiring personnel, raising capital, and providing general and administrative support for these operations.

Based on our current operating plan, we believe that our existing cash, cash equivalents and marketable securities as of June 30, 2025 will be sufficient to meet our anticipated operating expenses and capital expenditures through at least 2027. However, our forecast of the period of time through which our financial resources will be adequate to support our operations is a forward-looking statement that involves risks and uncertainties, and actual results could vary materially. We have based this estimate on assumptions that may prove to be wrong, and we could deplete our capital resources sooner than we expect. Additionally, the process of conducting preclinical studies and testing product candidates in clinical trials is costly, and the timing of progress and expenses in these studies and trials is uncertain.

Our future capital requirements will depend on many factors, including:

- the initiation, type, number, scope, results, costs and timing of our ongoing and planned preclinical studies and clinical trials of existing product candidates or clinical trials of other potential product candidates we may choose to pursue in the future, including based on feedback received from regulatory authorities;
- the costs and timing of manufacturing for current or future product candidates, including commercial scale manufacturing if any product candidate is approved;
- the costs, timing and outcome of regulatory review of current or future product candidates;
- the costs of obtaining, maintaining and enforcing our patents and other intellectual property rights;
- our efforts to enhance operational systems and hire additional personnel to satisfy our obligations as a public company, including enhanced internal controls over financial reporting;
- the costs associated with hiring additional personnel and consultants as our business grows, including additional executive officers and clinical development personnel, as well as retaining personnel;
- the costs and timing of establishing or securing sales and marketing capabilities if any current or future product candidate is approved;
- our ability to achieve sufficient market acceptance, coverage and adequate reimbursement from third-party payors and adequate market share and revenue for any approved products;
- costs associated with any products or technologies that we may in-license or acquire; and
- delays or issues with any of the above, including that the risk of each may be exacerbated by tariffs or trade policies, any future pandemics or epidemic diseases, potential geopolitical instability and war, inflation or rising interest rates.

Until such time, if ever, as we can generate substantial product revenues to support our cost structure, we expect to finance our cash needs through equity offerings, debt financings or other capital sources, including potential collaborations, licenses and other similar arrangements. However, we may be unable to raise additional funds or enter into such other arrangements when needed on favorable terms or at all. To the extent that we raise additional capital through the sale of equity or convertible debt securities, the ownership interest of our stockholders

could be diluted, and the terms of these securities may include liquidation or other preferences that adversely affect the rights of our common stockholders. Debt financing and equity financing, if available, may involve agreements that include covenants limiting or restricting our ability to take specific actions, such as incurring additional debt, making capital expenditures or declaring dividends. If we raise funds through collaborations or other similar arrangements with third parties, we may have to relinquish valuable rights to our technologies, future revenue streams, research programs or product candidates or grant licenses on terms that may not be favorable to us and/or may reduce the value of our common stock. If we are unable to raise additional funds through equity or debt financings when needed, we may be required to delay, limit, reduce or terminate our product development or future commercialization efforts or grant rights to develop and market our product candidates even if we would otherwise prefer to develop and market such product candidates ourselves.

Contractual Obligations and Commitments

Other than disclosed below, there were no material changes outside the ordinary course of our business during the six months ended June 30, 2025 to the information regarding our contractual obligations that was disclosed in “Management’s Discussion and Analysis of Financial Condition and Results of Operations” included in the 2024 Annual Report.

As of June 30, 2025, total future aggregate operating lease commitments were $8.3 million, with approximately $0.4 million due during 2025, and the remaining due in periods from 2026 through 2033.

Critical Accounting Policies and Estimates

There have been no material changes to our critical accounting policies and estimates during the six months ended June 30, 2025, as compared to the critical accounting policies and estimates disclosed in “Management’s Discussion and Analysis of Financial Condition and Results of Operations” included in the 2024 Annual Report.

Recently Adopted Accounting Pronouncements

See Note 1 to our condensed financial statements included elsewhere in this Quarterly Report on Form 10-Q for recently issued accounting pronouncements that may potentially impact our financial position and results of operations.

Item 3. Quantitative and Qualitative Disclosures About Market Risk

As of June 30, 2025, there have been no material changes surrounding our market risk, including interest rate risk, foreign currency exchange risk, and inflation risk, from the discussion provided in “Management’s Discussion and Analysis of Financial Condition and Results of Operations – Quantitative and Qualitative Disclosures about Market Risk” in the 2024 Annual Report.

Item 4. Controls and Procedures

Our management, with the participation of our chief executive officer and our chief financial officer (our principal executive officer and principal financial and accounting officer, respectively), evaluated the effectiveness of our disclosure controls and procedures as of the end of the period covered by this quarterly report. The term "disclosure controls and procedures," as defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act, means controls and other procedures of a company that are designed to ensure that information required to be disclosed by a company in the reports that it files or submits under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the SEC's rules and forms. Disclosure controls and procedures include, without limitation, controls and procedures designed to ensure that information required to be disclosed by a company in the reports that it files or submits under the Exchange Act is accumulated and communicated to the company's management, including its principal executive and principal financial officers, as appropriate to allow timely decisions regarding required disclosure.

Our management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving their objectives and management necessarily applies its judgment in evaluating the cost-benefit relationship of possible controls and procedures. As required by SEC Rule 13a-15(b), we carried out an evaluation of our disclosure controls and procedures as of the end of the quarter covered by this report. Based on such evaluation, our chief executive officer and our chief financial officer

concluded that, as of such date, our disclosure controls and procedures were effective at the reasonable assurance level.

Changes in Internal Control Over Financial Reporting

There were no changes in our internal control over financial reporting (as defined in Rules 13a-15(f) and 15d-15(f) under the Exchange Act) during the quarter ended June 30, 2025 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

PART II—OTHER INFORMATION

Item 1. Legal Proceedings

We are not currently subject to any material legal proceedings. From time to time, we may be involved in legal proceedings or subject to claims incident to the ordinary course of business. Regardless of the outcome, such proceedings or claims can have an adverse impact on us because of defense and settlement costs, diversion of resources and other factors, and there can be no assurances that favorable outcomes will be obtained.

Item 1A. Risk Factors

There have been no material changes to the risk factors disclosed in Item 1A of our 2024 Annual Report.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

Unregistered Sales of Equity Securities

None.

Issuer Repurchases of Equity Securities

None.

Item 3. Defaults Upon Senior Securities

Not applicable.

Item 4. Mine Safety Disclosures

Not applicable.

Item 5. Other Information

Director and Officer Trading Arrangements

Rule 10b5-1 Trading Plans

From time to time, our officers (as defined in Rule 16a-1(f) of the Exchange Act) and directors may enter into Rule 10b5-1 or non-Rule 10b5-1 trading arrangements (as each such term is defined in Item 408 of Regulation S-K). During the three months ended June 30, 2025, none of our officers or directors adopted, modified or terminated any such trading arrangements.

Item 6. Exhibits

Exhibit Number	Exhibit Description	Incorporated by Reference			Filed Herewith
		Form	Date	Number	
3.1	Amended and Restated Certificate of Incorporation	10-K	3/22/23	3.1	
3.2	Certificate of Amendment of Amended and Restated Certificate of Incorporation, dated May 29, 2024	8-K	5/31/24	3.1	
3.3	Amended and Restated Bylaws, effective as of October 26, 2023	8-K	10/26/23	3.1	
4.1	Specimen stock certificate evidencing the shares of common stock	S-1	8/20/21	4.1	
4.2	Amended and Restated Investors' Rights Agreement, dated March 5, 2021, by and among the Registrant and certain of its stockholders	S-1/A	9/9/21	4.2	
4.3	Form of Pre-Funded Warrant	8-K	2/5/24	4.1	
4.4	Form of Exchange Warrant	8-K	10/18/24	4.1	
10.1#	Non-Employee Director Compensation Program, amended and restated effective May 29, 2025				X
10.2	Sales Agreement, dated May 8, 2025, by and between the Registrant and TD Securities (USA) LLC	S-3	5/8/25	1.2	
31.1	Certification of Chief Executive Officer, as required by Rule 13a-14(a) or Rule 15d-14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002				X
31.2	Certification of Chief Financial Officer, as required by Rule 13a-14(a) or Rule 15d-14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002				X
32.1*	Certification of Chief Executive Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002				X
32.2*	Certification of Chief Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002				X
101.INS	Inline XBRL Instance Document - the Instance Document does not appear in the interactive data file because its XBRL tags are embedded within the Inline XBRL document				X
101.SCH	Inline XBRL Taxonomy Extension Schema With Embedded Linkbase Documents				X
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)				X

# Indicates management contract or compensatory plan

* This certification is deemed not filed for purpose of Section 18 of the Exchange Act or otherwise subject to the liability of that section, nor shall it be deemed incorporated by reference into any filing under the Securities Act or the Exchange Act.

SIGNATURES

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 thereunto duly authorized.

TYRA BIOSCIENCES, INC.

Date: August 14, 2025

By: /s/ Todd Harris, Ph.D.

Todd Harris, Ph.D.
President, Chief Executive Officer, and Director
(Principal Executive Officer)

Date: August 14, 2025

By: /s/ Alan Fuhrman

Alan Fuhrman
Chief Financial Officer
(Principal Financial and Accounting Officer)

Exhibit 10.1

TYRA BIOSCIENCES, INC.

NON-EMPLOYEE DIRECTOR COMPENSATION PROGRAM

(AMENDED AND RESTATED EFFECTIVE MAY 29, 2025)

Non-employee members of the board of directors (the "***Board***") of Tyra Biosciences, Inc. (the "***Company***") shall receive cash and equity compensation as set forth in this Non-Employee Director Compensation Program (this "***Program***"). The cash and equity compensation described in this Program shall be paid or be made, as applicable, automatically and without further action of the Board, to each member of the Board who is not an employee of the Company or any parent or subsidiary of the Company (each, a "***Non-Employee Director***") who is entitled to receive such cash or equity compensation, unless such Non-Employee Director declines the receipt of such cash or equity compensation by written notice to the Company and subject to any limits on non-employee director compensation set forth in the Equity Plan (as defined below). This Program shall remain in effect until it is revised or rescinded by further action of the Board. This Program may be amended, modified or terminated by the Board at any time in its sole discretion. The terms and conditions of this Program shall supersede any prior cash and/or equity compensation arrangements for service as a member of the Board between the Company and any of its Non-Employee Directors, except for equity compensation previously granted to a Non-Employee Director. This amended and restated Program shall become effective as of the date set forth above (the "***Effective Date***").

CASH COMPENSATION

The schedule of annual retainers (the "***Annual Retainers***") for the Non-Employee Directors is as follows:

Position	**Amount**
Base Board Retainer	$40,000
Chair of the Board	$30,000
Chair of Audit Committee	$15,000
Chair of Compensation Committee	$12,000
Chair of Nominating and Corporate Governance Committee	$10,000
Chair of Science and Technology Committee	$15,000
Member of Audit Committee (non-Chair)	$7,500
Member of Compensation Committee (non-Chair)	$6,000

Member of Nominating and Corporate Governance Committee (non-Chair)	$5,000
Member of Science and Technology Committee (non-Chair)	$7,500

For the avoidance of doubt, the Annual Retainers in the table above are additive and a Non-Employee Director shall be eligible to earn an Annual Retainer for each position in which he or she serves. The Annual Retainers shall be earned on a quarterly basis based on a calendar quarter and shall be paid in cash by the Company in arrears not later than the fifteenth day following the end of each calendar quarter. In the event a Non-Employee Director does not serve as a Non-Employee Director, or in the applicable position, for an entire calendar quarter, the Annual Retainer paid to such Non-Employee Director shall be prorated for the portion of such calendar quarter actually served as a Non-Employee Director, or in such position, as applicable. In addition, the Annual Retainers will be prorated for the first calendar quarter in which the Effective Date occurs, which proration will be based on the number of days of the calendar quarter remaining in such quarter after the Effective Date. The Board may adopt a program that allows Non-Employee Directors to defer Annual Retainers.

EQUITY COMPENSATION

Each Non-Employee Director shall be granted the equity awards described below, which equity awards shall be granted under and subject to the terms and provisions of the Company's 2021 Incentive Award Plan or any other applicable Company equity incentive plan then-maintained by the Company (the "***Equity Plan***"), and shall be subject to an equity award agreement in substantially the form previously approved by the Board for use under the Equity Plan. All applicable terms of the Equity Plan apply to this Program as if fully set forth herein, and all grants of equity awards hereby are subject in all respects to the terms of the Equity Plan and the applicable equity award agreement.

A. Initial Awards. Each Non-Employee Director who is initially elected or appointed to the Board following the Effective Date shall be automatically granted stock options to purchase 44,400 shares of the Company's common stock under the Equity Plan on the date of such initial election or appointment. The awards described in this Section shall be referred to as "***Initial Awards***."

B. Annual Awards. A Non-Employee Director who (i) is serving on the Board as of the date of any annual meeting of the Company's stockholders following the Effective Date, and (ii) will continue to serve as a Non-Employee Director immediately following such meeting, shall be automatically granted stock options to purchase 22,200 shares of the Company's common stock under the Equity Plan on the date of such annual meeting. The awards described in this Section shall be referred to as "***Annual Awards***." For the avoidance of doubt, a Non-Employee Director elected for the first time to the Board at an annual meeting of the Company's stockholders shall only receive an Initial Award in connection with such election, and shall not receive any Annual Award on the date of such meeting as well. In addition, in the event of an adjournment or postponement of any annual meeting following the time such meeting commences, the date of the

annual meeting for purposes of this clause (B) shall be the date on which the business to be conducted at the annual meeting is concluded.

Notwithstanding the foregoing, a Non-Employee Director shall have served as a Non-Employee Director for at least (6) months as of the date of any annual meeting to receive an Annual Award, unless otherwise determined by the Board; in which case, the Board may determine to grant such Non-Employee Director an Annual Award or a Prorated Annual Award (as defined below). "***Prorated Annual Award***" means the product determined by multiplying (i) the Annual Award, by (ii) a fraction, the numerator of which is equal to (x) 365 minus (y) the number of days that elapsed from the date of the annual meeting of the Company's stockholders preceding the Non-Employee Director's date of initial election or appointment to the date of such initial election or appointment, and the denominator of which is 365.

C. Terms of Awards Granted to Non-Employee Directors.

1. *Vesting*. Each Initial Award shall vest and become exercisable in substantially equal monthly installments over the three (3) years beginning on the date of the Non-Employee Director's election or appointment to the Board, subject to the Non-Employee Director continuing in service on the Board through each such vesting date. Each Annual Award shall vest and/or become exercisable in substantially equal monthly installments over the twelve (12) months following the date of grant of such Annual Award (or, in the event the next annual meeting of the Company's stockholders occurs prior to the first anniversary of the date of grant of such Annual Award, any remaining unvested portion of the Annual Award will vest on the date of such annual meeting of the Company's stockholders), subject to the Non-Employee Director continuing in service on the Board through the applicable vesting date.

2. *Forfeiture.* Unless the Board otherwise determines, any portion of an Initial Award or Annual Award which is unvested at the time of a Non-Employee Director's termination of service on the Board as a Non-Employee Director shall be immediately forfeited upon such termination of service and shall not thereafter become vested. All of a Non-Employee Director's Initial Awards and Annual Awards shall vest in full immediately prior to the occurrence of a Change in Control (as defined in the Equity Plan), to the extent outstanding at such time.

3. *Reimbursements*. The Company shall reimburse each Non-Employee Director for all reasonable, documented, out-of-pocket travel and other business expenses incurred by such Non-Employee Director in the performance of his or her duties to the Company in accordance with the Company's applicable expense reimbursement policies and procedures as in effect from time to time.

* * * * *

Exhibit 31.1

CERTIFICATION PURSUANT TO
RULES 13a-14(a) AND 15d-14(a) UNDER THE SECURITIES EXCHANGE ACT OF 1934,
AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Todd Harris, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Tyra Biosciences, Inc.;

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 14, 2025

By: /s/ Todd Harris, Ph.D.
Todd Harris, Ph.D.
President, Chief Executive Officer, and Director

Exhibit 31.2

CERTIFICATION PURSUANT TO
RULES 13a-14(a) AND 15d-14(a) UNDER THE SECURITIES EXCHANGE ACT OF 1934,
AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

I, Alan Fuhrman, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Tyra Biosciences, Inc.;

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 14, 2025

By: /s/ Alan Fuhrman
Alan Fuhrman
Chief Financial Officer

Exhibit 32.1

CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report of Tyra Biosciences, Inc. (the "Company") on Form 10-Q for the quarter ended June 30, 2025 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: August 14, 2025

By: /s/ Todd Harris, Ph.D.
Todd Harris, Ph.D.
President, Chief Executive Officer, and Director

Exhibit 32.2

CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report of Tyra Biosciences, Inc. (the "Company") on Form 10-Q for the quarter ended June 30, 2025 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that:

(1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: August 14, 2025

By: /s/ Alan Fuhrman
Alan Fuhrman
Chief Financial Officer