



*Rewriting Treatments
for People with Cancer
and Other Serious Diseases*

August 9, 2021

Nasdaq: EPZM

FORWARD-LOOKING STATEMENTS

Any statements in this presentation about future expectations, plans and prospects for Epizyme, Inc. and other statements containing the words “anticipate,” “believe,” “estimate,” “expect,” “intend,” “may,” “plan,” “predict,” “project,” “target,” “potential,” “will,” “would,” “could,” “should,” “continue,” and similar expressions, constitute forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995. Actual results may differ materially from those indicated by such forward-looking statements as a result of various important factors, including: whether commercial sales of TAZVERIK for epithelioid sarcoma and follicular lymphoma in the approved indications will be successful; whether the refinement of the company’s commercial strategy and cost reductions will achieve the company’s objectives; whether tazemetostat will receive marketing approval for epithelioid sarcoma or follicular lymphoma in other jurisdictions, full approval in the United States or approval in any other indication; whether results from preclinical studies or earlier clinical studies will be predictive of the results of future trials, such as the ongoing confirmatory trials; whether results from clinical studies will warrant meetings with regulatory authorities, submissions for regulatory approval or review by governmental authorities under the accelerated approval process; whether the company will receive regulatory approvals, including accelerated approval, to conduct trials or to market products; the impact of the COVID-19 pandemic on the company’s business, results of operations and financial condition; whether the company’s cash resources will be sufficient to fund the company’s foreseeable and unforeseeable operating expenses and capital expenditure requirements; other matters that could affect the availability or commercial success of tazemetostat; and other factors discussed in the “Risk Factors” section of the company’s most recent Form 10-K or Form 10-Q filed with the SEC and in the company’s other filings from time to time with the SEC. In addition, the forward-looking statements included in this presentation represent the company’s views as of the date hereof and should not be relied upon as representing the company’s views as of any date subsequent to the date hereof. The company anticipates that subsequent events and developments will cause the company’s views to change. However, while the company may elect to update these forward-looking statements at some point in the future, the company specifically disclaims any obligation to do so.

TAZVERIK® is a registered trademark of Epizyme, Inc.

EPIZYME

A FULLY INTEGRATED
COMMERCIAL ENTERPRISE



APPROVED FOR 2 INDICATIONS

JAN 2020

Accelerated approval
granted in epithelioid
sarcoma (ES)

JUNE 2020

Accelerated approval
granted in follicular
lymphoma (FL)

MULTI-BILLION
DOLLAR

**GLOBAL MARKET
OPPORTUNITY**

CONFIRMATORY
TRIALS REMAIN
ON TRACK

**ENCOURAGING INITIAL
SAFETY RUN-IN RESULTS**

HIGH-VALUE
RESEARCH PIPELINE

**ADVANCING
TOWARD CLINIC**

IND CLEARANCE
FOR NOVEL SETD2
INHIBITOR

**FIRST-IN-HUMAN
TRIAL EXPECTED TO
INITIATE THIS YEAR**



NOVEL MECHANISM OF ACTION

ACTIVITY DEMONSTRATED IN MULTIPLE CANCERS

**GENERALLY WELL-TOLERATED;
LOW DISCONTINUATION RATES**

POTENTIAL FOR EXTENDED TREATMENT DURATION

**BROAD THERAPEUTIC POTENTIAL IN SOLID TUMORS
AND HEME MALIGNANCIES**

COMBINATION OPPORTUNITIES WITH SOC TREATMENTS

CONTINUED PROGRESS ACROSS BUSINESS UNITS IN 2Q

LAUNCHED EZH2 NOW
TESTING PROGRAM
WITH QUEST
DIAGNOSTICS

COMMERCIAL AND
DEVELOPMENT
COLLABORATION WITH
HUTCHMED IN CHINA

IND CLEARANCE FOR
EPIZYME'S NOVEL SETD2
INHIBITOR, EZM-0414

CLINICAL AND
PRECLINICAL DATA
PRESENTED AT EHA AND
ASCO

EZH-1101 PHASE 1B/2
STUDY IN PROSTATE
CANCER NOW OVER
1/3 ENROLLED

REVISED COMMERCIAL
STRATEGY AND
OPERATING PLAN

STRATEGIC COLLABORATION WITH HUTCHMED FOR TAZVERIK®

Overview of Collaboration

Product: TAZVERIK® (tazemetostat)

Exclusive/co-exclusive License:

- Research & Development
- Manufacturing & Commercialization
- Territory: Greater China

R&D Synergies: investigate combos with HUTCHMED's novel oncology medicines portfolio

China Commercial: initially develop & seek approval in various hematological and solid tumors:

- Epithelioid sarcoma (ES)
- Follicular lymphoma (FL)
- Diffuse large b-cell lymphoma (DLBCL)

Ex-China impact: accelerate global development (HUTCHMED will contribute to global study/studies)

Key Financial Terms

Upfront: US\$25 million

Development & Regulatory Milestones: up to \$110 million, across up to 8 potential indications

Sales Milestones: up to \$175 million

Royalties: Tiered royalties of mid-teen to low-twenties % based on annual sales in Greater China

Warrant Rights:

- HUTCHMED has option to acquire Epizyme shares
- Term: 4 years
- Amount: up to \$65 million
- Exercise Price: \$11.50/share

COMBINATION POTENTIAL FOR TAZVERIK® WITH HUTCHMED'S ASSETS



	NEAR TERM		LONGER TERM		
SOLID TUMORS	+ FRUQUINTINIB (VEGFRI) <i>(China approved for CRC; Global Ph III ongoing)</i>	Lung	+ HMPL-295 (ERKi) <i>(China Ph I ongoing)</i>	K-Ras mutant tumors	
		Ovarian		+ IMMUNOTHERAPIES, e.g. HMPL-A83 (CD47) <i>(IND-enabling stage)</i>	Macrophage-targeting such as breast cancer
	+ SURUFATINIB (VEGFRI/FGFRI/CSF1RI) <i>(China approved for NET; U.S. NDA & EMA MAA submitted)</i>	Tumors w/ neuroendocrine differentiation (NED), e.g. NEPC			
		Sarcoma <i>(suru. in U.S. Ph Ib)</i>			
HEMATOLOGICAL MALIGNANCIES	+ HMPL-689 (PI3Kδi) <i>(China reg. Ph II initiated; U.S./E.U. Ph II ongoing)</i>	DLBCL	+ HMPL-760 (BTKi)	NHL	
		TCL			+ HMPL-A83 (CD47)

2021 HIGHLIGHTS & EXPECTED MILESTONES

Implement revised commercial strategy and continue to expand adoption of TAZVERIK® (tazemetostat) in FL and ES

EZM-0414 IND clearance received; clinical trial initiation expected 2H 2021

Follow-up data from Phase 1b safety run-ins for EZH-302 in FL and EZH-1101 in mCRPC 2H 2021

Anticipate advancing to the efficacy stages of our ES, FL and prostate cancer clinical programs

Planned initiation of novel basket trials in both heme and solid tumors in 2H 2021

Anticipated alignment with EMA on registration path for TAZVERIK in Europe

2Q 2021 FINANCIAL RESULTS

STATEMENT OF OPERATIONS	THREE MONTHS ENDED JUNE 30	
	2021	2020
Total Revenue	\$13.0M	\$2.5M
TAZVERIK Net Sales	\$8.0M	\$2.2M
Collaboration Revenue	\$5.0M	\$0.2M
Total Operating Expenses	\$71.2M	\$60.0M
Research and Development	\$34.9M	\$26.3M
Selling, General and Administrative	\$33.9M	\$32.7M
Net Loss Attributable to Common Stockholders	\$64.4M (\$0.63 per share)	\$58.4M (\$0.58 per share)

BALANCE SHEET AND 2021 FINANCIAL GUIDANCE

BALANCE SHEET	JUNE 30, 2021	DECEMBER 31, 2020
Cash, Cash Equivalents, and Marketable Securities	\$244.0M	\$373.6M

Full year 2021 non-GAAP adjusted cash expenses anticipated to be between \$220 – \$230M

Cash runway expected to be sufficient to fund operations into 4Q 2022

EPIZYME OVER THE NEXT 5 YEARS

MAXIMIZE COMMERCIAL EFFECTIVENESS

TAZVERIK adopted as backbone therapy for FL
TAZVERIK utilized in multiple combination regimens

BUILD ON TAZVERIK'S PIPELINE-IN-A-DRUG POTENTIAL

TAZVERIK approved in additional heme and solid tumor indications
Robust flow of data read-outs

EXPAND PIPELINE & PORTFOLIO TO OVERCOME UNDRUGGABLE TARGETS

Progress three new programs into the clinic starting with novel SETD2 inhibitor, EZM-0414
Robust flow of data read-outs

COLLABORATE TO EXPAND PATIENT REACH & BUILD VALUE

TAZVERIK partnered to reach ex-US markets
Multiple clinical and scientific collaborations

MOST COMMON ADVERSE REACTION ($\geq 20\%$, ANY GRADE)

- ES: Pain, fatigue, nausea, decreased appetite, vomiting and constipation
- FL: Fatigue, upper respiratory infection, musculoskeletal pain, nausea and abdominal pain

WARNINGS & PRECAUTIONS

- Secondary malignancies: Across clinical trials of 729 adults who received TAZVERIK 800 mg twice daily, myelodysplastic syndrome or acute myeloid leukemia occurred in 0.7% of patients. One pediatric patient developed T-cell lymphoblastic lymphoma.
- Embryo-fetal toxicity

DRUG INTERACTION

- Strong and Moderate Cytochrome P450 (CYP)3A Inhibitors: Avoid coadministration of strong and moderate CYP3A inhibitors with TAZVERIK. Reduce the dose of TAZVERIK if coadministration of moderate CYP3A inhibitors cannot be avoided
- Strong and Moderate CYP3A Inducers: Avoid coadministration with TAZVERIK