



A Commercial-Stage
Pharmaceutical
Company Pioneering
Novel Cancer Therapies

May 2022

Forward-looking Statements and Other Important Information

This presentation contains forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995. Such forward-looking statements include those regarding Karyopharm's guidance on its 2022 net product revenue and 2022 non-GAAP research and development and selling, general and administrative expenses; Karyopharm's expected cash runway; the ability of selinexor or eltanexor to treat patients with multiple myeloma, diffuse large B-cell lymphoma, solid tumors and other diseases; and expectations related to future clinical development and potential regulatory submissions of selinexor and eltanexor. Such statements are subject to numerous important factors, risks and uncertainties, many of which are beyond Karyopharm's control, that may cause actual events or results to differ materially from Karyopharm's current expectations. For example, there can be no quarantee that Karyopharm will successfully commercialize XPOVIO; that regulators will grant confirmatory approval in the European Union based on the BOSTON study in adult patients with multiple myeloma; or that any of Karyopharm's drug candidates, including selinexor and eltanexor, will successfully complete necessary clinical development phases or that development of any of Karyopharm's drug candidates will continue. Further, there can be no guarantee that any positive developments in the development or commercialization of Karyopharm's drug candidate portfolio will result in stock price appreciation. Management's expectations and, therefore, any forward-looking statements in this press release could also be affected by risks and uncertainties relating to a number of other factors, including the following: the risk that the COVID-19 pandemic could disrupt Karyopharm's business more severely than it currently anticipates, including by negatively impacting sales of XPOVIO, interrupting or delaying research and development efforts, impacting the ability to procure sufficient supply for the development and commercialization of selinexor or other product candidates, delaying ongoing or planned clinical trials, impeding the execution of business plans, planned regulatory milestones and timelines, or inconveniencing patients; the adoption of XPOVIO in the commercial marketplace, the timing and costs involved in commercializing XPOVIO or any of Karyopharm's drug candidates that receive regulatory approval; the ability to obtain and retain regulatory approval of XPOVIO or any of Karyopharm's drug candidates that receive regulatory approval; Karyopharm's results of clinical trials and preclinical studies, including subsequent analysis of existing data and new data received from ongoing and future studies; the content and timing of decisions made by the U.S. Food and Drug Administration and other regulatory authorities, investigational review boards at clinical trial sites and publication review bodies, including with respect to the need for additional clinical studies; the ability of Karyopharm or its third party collaborators or successors in interest to fully perform their respective obligations under the applicable agreement and the potential future financial implications of such agreement; Karyopharm's ability to enroll patients in its clinical trials; unplanned cash requirements and expenditures; development or regulatory approval of drug candidates by Karyopharm's competitors for products or product candidates in which Karyopharm is currently commercializing or developing; and Karyopharm's ability to obtain, maintain and enforce patent and other intellectual property protection for any of its products or product candidates. These and other risks are described under the caption "Risk Factors" in Karyopharm's Quarterly Report on Form 10-Q for the guarter ended March 31, 2022, which was filed with the Securities and Exchange Commission (SEC) on May 5, 2022, and in other filings that Karyopharm may make with the SEC in the future. Any forward-looking statements contained in this press release speak only as of the date hereof, and, except as required by law, Karyopharm expressly disclaims any obligation to update any forward-looking statements, whether as a result of new information, future events or otherwise. Karyopharm regularly uses its website to post information regarding its business, drug development programs and governance. Karyopharm encourages investors to use www.karyopharm.com, particularly the information in the section entitled "Investors," as a source of information about Karyopharm. References to www.karyopharm.com in this presentation are not intended to, nor shall they be deemed to, incorporate information on www.karyopharm.com into this presentation by reference. Other than the currently approved indications of XPOVIO, selinexor, KPT-9274 and verdinexor are investigational drugs that have not been approved by the FDA or any other regulatory agency, and the safety and efficacy of these drugs has not been established by any agency.

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Leveraging the inhibition of nuclear export as a mechanism to treat cancer



Passionately driven in its mission to positively impact lives and defeat cancer

Expanding on multiple myeloma foundation

Continued expansion of XPOVIO by driving commercial excellence, moving into earlier lines and global approvals

Focused mid- and late-stage clinical pipeline

Multiple catalysts near and mid-term, pursuing approvals in endometrial cancer, myelofibrosis and myelodysplastic syndromes

Strong executive leadership

Strengthened leadership team with key appointments in Q1 22

Well-capitalized

Cash runway into early 2024

First Quarter 2022 and Recent Highlights

Expanding on multiple myeloma foundation

1Q22 total revenues **\$47.7M**



 1Q22 net product revenue of \$28.3M, 30% growth YoY





Now approved in **37** countries

Focused mid- and late-stage clinical pipeline

Planning to initiate Ph3 study evaluating selinexor in p53 wild-type endometrial cancer in 2H22



Promising exploratory subgroup data from the SIENDO study

2022 ASCO ANNUAL MEETING

- Subgroup and molecular analysis from SIENDO study in endometrial cancer
- Preliminary data from Phase 1/2 study evaluating selinexor + ruxolitinib in frontline myelofibrosis

Strong executive leadership

New leadership team appointment



Reshma Rangwala, MD, PhD

Chief Medical Officer

Prioritized and Targeted Core Programs Focused on Driving Improved Patient Outcomes in Areas of High Unmet Need

MULTIPLE MYELOMA

Enabling a 'Class Switch' in Earlier Lines of Therapy with multiple combinations, to continue improving patient outcomes

~47,000 patients (2L+)^{1,4}

ENDOMETRIAL CANCER

Potential to be the First Maintenance
Treatment to improve patient outcomes versus "watch and wait"

~14,000 frontline^{2,4} (~ 50% p53wt)

MYELOFIBROSIS

Potential to improve patient outcomes in frontline and relapsed/refractory MF

~5,800 frontline^{6,4}

MYELODYSPLASTIC SYNDROMES

Potential to improve patient outcomes in frontline and relapsed/refractory MDS

~15,000 intermediatehigh risk frontline^{3,4}

Opportunity to expand into additional lines of therapy in all four core indications

^{1.} Clarivate/DRG Market Forecast Dashboard-MM(2022 figures, pub 2020) 2. Clarivate/DRG Endometrial Carcinoma Epidemiology Dashboard (2022 figures, pub 2020) 3. Clarivate/DRG Myelodysplastic-Syndrome-Epidemiology-Dashboard (2022 figures, pub 2020) 4. Annual U.S. incidence. 5. "Mutated p53 portends improvement in outcomes when bevacizumab is combined with chemotherapy in advanced/recurrent endometrial cancer: An NRG Oncology study", Leslie, Kimberly K. et al. Gynecologic Oncology, Volume 161, Issue 1, 113 – 121 6. Epic Oncology Myelofibrosis((2022 figures, pub 2021))

Progressing Focused Pipeline Across Cancers With High Unmet Needs

	Regimen	Indication	Study Name	Early Stage	Mid Stage	Late Stage	Commercial
XPOVIO* (selinexor)	w/dexamethasone	Multiple myeloma (penta-refractory)	STORM				
	w/bortezomib + dexamethasone	Multiple myeloma (2L+)	BOSTON				
	monotherapy	DLBCL (R/R)	SADAL				•
	w/R-GDP	DLBCL (R/R)	XPORT-DLBCL-0301				
SELINEXOR	monotherapy	Endometrial cancer (maintenance)	SIENDO			-	
	monotherapy	Endometrial cancer (maintenance; p53 wild-type)		•••••	• • • • • • • • • • • •	•••••	
	w/pomalidomide + dexamethasone	Multiple myeloma (2L+)	XPORT-MM-031 ^{2,3,4}	••••	•••••	•••••	
	w/standard approved therapies ⁵	Multiple myeloma (relapsed/refractory)	STOMP				
	monotherapy	Myelofibrosis (previously treated)	XPORT-MF-035				
	w/ruxolitinib	Myelofibrosis (treatment naïve)	XPORT-MF-034 ⁶				
ELTANEXOR	monotherapy	Myelodysplastic syndromes (refractory)	KCP-8602-801		•		
	+ hypomethylating agents	Myelodysplastic syndromes (newly diagnosed)	KCP-8602-801	-			
		hematologic cancer solid tumor c					



Selinexor Improves Outcomes for Patients with Relapsed Multiple Myeloma

What is Multiple Myeloma?

- Cancer of the plasma cells and the second most common blood cancer in the world¹
- Malignant plasma cells produce a paraprotein (an inactive antibody known also as M-protein) that adversely affects bone marrow, bones, and kidneys

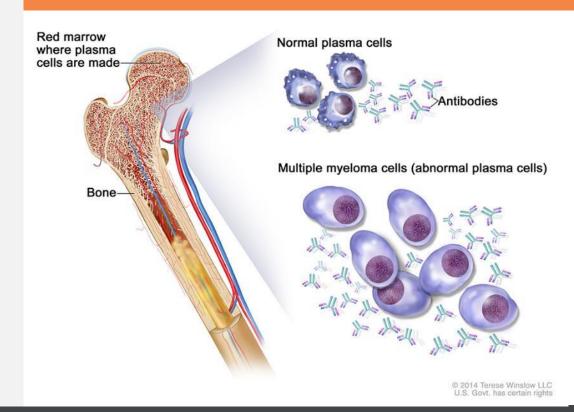
Treatment Landscape

- Following first line progression, treatment decisions are based on physician and patient choice rather than clear treatment guidelines
- Current standard of care is to switch drug classes once a regimen stops responding

Opportunity and Unmet Need

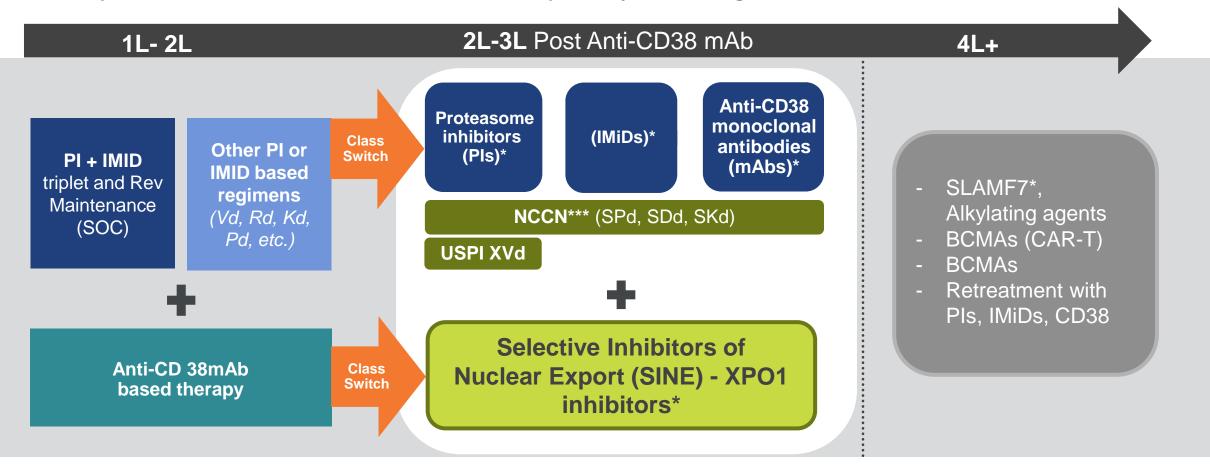
- Retrospective analyses of currently approved combination regimens demonstrate poor outcomes for patients with multiple myeloma refractory to prior daratumumab (anti-CD38 mAb) treatment, including low ORRs and short PFS
- 25% patients have multiple myeloma with high-risk cytogenetics and poorer outcomes with currently available therapies³

Affects ~47,000 patients in the US in 2L+2



Clarity of Sequencing with XPOVIO-based Regimens Post Anti-CD38mAb in the 2L and 3L Settings of RRMM

XPOVIO provides a mechanistic switch and maintains full optionality to future regimens.



Combinations other than XVd and Xd will not be promoted by Karyopharm, but may be considered for future indication updates

XPOVIO Evolving Into a Standard of Care with Dose and Schedule Refined Over Time to Improve Efficacy and Patient Experience

From the STORM trial to the BOSTON trial to the STOMP trial, XPOVIO dosing has been continually refined to help optimize the patient experience

Approval Date: Dec 2020 **Ongoing/Completed Approval Date: July 2019** 1st approval in MM 2nd approval in MM Phase 1/2 study in MM Dose: 160 mg (80 mg twice weekly) Dose: 100 mg once weekly Dose range: 60-100 mg once weekly SPd, SKd, SDd XVd Xd **STORM BOSTON** Phase 2b, single-arm, Phase 3, 2-arm, active comparator-controlled, Phase 1/2, open-label, multicenter study open-label, multicenter study open-label, multicenter study Patients with RRMM Patients with penta-refractory MM After at least 1 prior therapy in MM (dose escalation/expansion)

Once Weekly (previously twice weekly)

Lower Dose (previously a higher dose)

XPOVIO-based Triplets (previously a doublet)

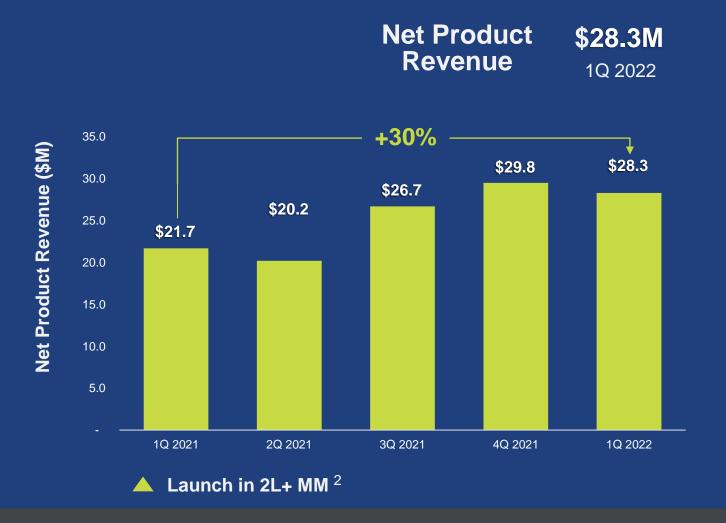
Earlier Lines (previously only in later lines)

Supportive Care (active symptom management)

*STOMP was designed to study selinexor in combination with other MOAs across multiple triplet and quadruplet regimens, including XVd. MM=multiple myeloma; MOA=mechanism of action; RRMM=relapsed or refractory multiple myeloma.

Combinations other than XVd and Xd are not promoted by Karyopharm, but may be considered for future indication updates

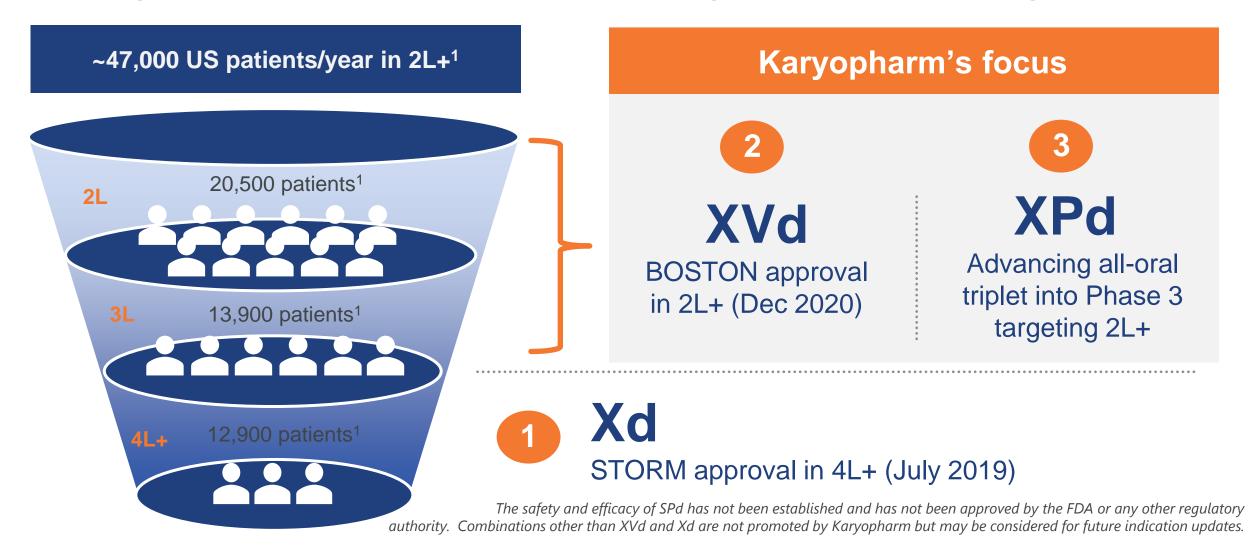
XPOVIO Launch Update: 1Q 2022 Sustained Growth in 2L-4L



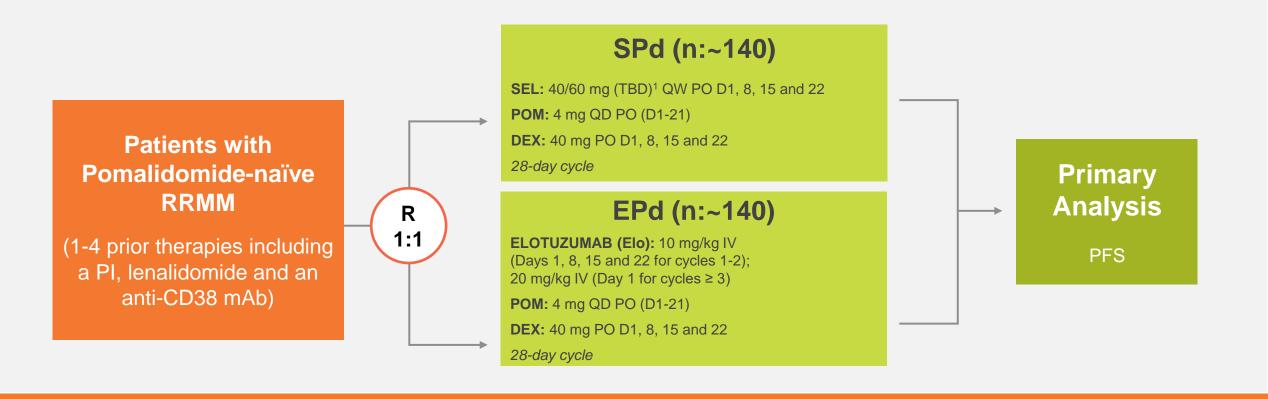
1Q 2022 Highlights

- Net product revenue up 30% for 1Q22 vs 1Q21
- Marketplace impacted by Omicron variant in January and February¹
- Continued shift into earlier lines of therapy 2-4L¹ with strongest growth in 3L
- Continued increase in depth and breadth of use
- Continued positive shift in intent-to-prescribe metrics

Striving to be a Standard of Care in 2L+, Driving Sustainable and Long-Term Growth



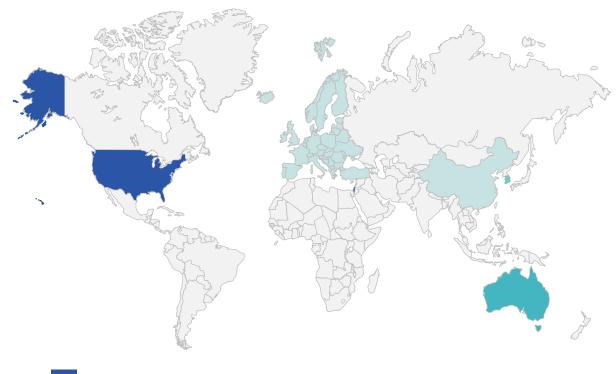
Phase 3 Study (XPORT-MM-031) Evaluating Selinexor, Pomalidomide and Dexamethasone (SPd) in Patients with Previously Treated Multiple Myeloma



Dosed first patient in May 2022. Top-line data expected 2H 2024

XPOVIO® / NEXPOVIO® Now Approved in 37 Countries

Country/Region	Indication(s)	Partner
Approvals		
United States		_
Europe ¹		Menarini
UK		Menarini
Mainland China		Antengene
South Korea		Antengene
Australia		Antengene
Singapore		Antengene
Israel		Neopharm
Pending Decisions		
Europe		Menarini
Canada		Forus Therapeutics
Taiwan		Antengene
Hong Kong		Antengene



- 2L+ multiple myeloma and R/R DLBCL
- 2L+ multiple myeloma
- Penta- or triple-class-refractory multiple myeloma and R/R DLBCL
- Penta- or triple-class-refractory multiple myeloma

Selinexor in Multiple Myeloma: Key Takeaways

- Continued strong net product revenue growth
- Driving adoption of XPOVIO-based combinations for 2L+ where an effective new class of therapies is needed
- Critical need for efficacious, novel combinations post anti-CD38 with the ability to combine with PIs and IMiDs
- Pursuing approvals in additional settings, including with the all-oral regimen XPd



Endometrial Cancer is the Most Common Gynecologic Cancer with Significant Unmet Need for Patients with Advanced or Recurrent Disease

What is Endometrial Cancer?

 Arises from the endometrium, the layer of cells that form the lining of the uterus.

Treatment Landscape

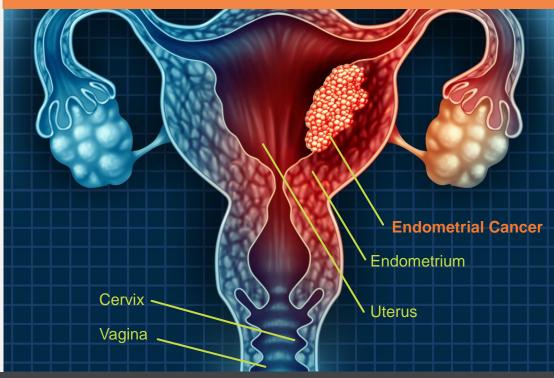
- First-line treatment is chemotherapy (taxane plus platinum), where response rates (CR or PR) can be as high as 67%³
- Following chemotherapy, NCCN Guidelines[®] recommend "watch and wait" until disease relapses⁴
- ~50% of patients with advanced or recurrent disease have p53 wild-type tumors⁵

Unmet Need

 Prognosis is poor, with progression expected within ~4 months⁶ for patients responding to first-line chemotherapy treatment

The safety and efficacy of selinexor in endometrial cancer has not been established and has not been approved by the US FDA or any other regulatory authority.

There will be nearly 66,000 new cases diagnosed in the U.S. in 2022¹ and more than 130,000 cases in Europe²



^{1.} American Cancer Society, "About and Key Statistics." Endometrial Cancer. https://www.cancer.org/content/dam/CRC/PDF/Public/8609.00.pdf 2. International Agency for Research on Cancer, World Health Organization. "Corpus uteri Fact Sheet." Cancer Today, 2020. https://gco.iarc.fr/today/data/factsheets/cancers/24-Corpus-uteri-fact-sheet.pdf 3. Sorbe, B et al. Int J Gynecol Cancer. 2008). 4. National Comprehensive Cancer Network Clinical Practice Guidelines in Oncology. Uterine Neoplasms. v4.2021. September 3, 2021; www.nccn.org. 5. "Mutated p53 portends improvement in outcomes when bevacizumab is combined with chemotherapy in advanced/recurrent endometrial cancer: An NRG Oncology study", Leslie, Kimberly K. et al. Gynecologic Oncology, Volume 161, Issue 1, 113 – 121 6. Based on progression after 6 cycles of CP; Lorusso D. et al, 2015 by American Society of Clinical Oncology

Phase 3 SIENDO Supports Further Study in Patients with Advanced or Recurrent Endometrial Cancer with p53 Wild-Type Tumors



Primary Endpoint

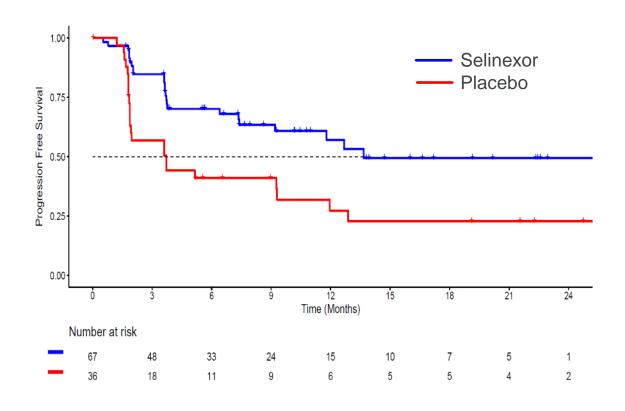
Progression-free survival from time of randomization until death or disease progression as determined by Investigator

Top-line Results and Regulatory Update

- SIENDO results are unlikely to support sNDA approval with an improvement in PFS of 1.9 months²
- Selinexor generally well tolerated with no new safety signals identified and discontinuation rate of 10.5% due to adverse events
- In a pre-specified, exploratory subgroup, selinexor-treated patients with wildtype p53 (current n=103) achieved PFS of 13.7 months vs 3.7 months for placebo-treated patients
- Initiating registration-enabling placebo-controlled, randomized study in patients with endometrial cancer with p53 wild-type in 2H 2022
- · Study design to be discussed with FDA and finalized

^{1.} Patients who completed a single line of at least 12 weeks of taxane-platinum combination therapy for primary stage IV disease or first relapse (i.e., relapse after primary therapy including surgery and/or adjuvant therapy for Stage I-IV disease). 2. The top-line data from the SIENDO study indicated that selinexortreated patients had a median PFS of 5.7 months compared to 3.8 months for patients on placebo; eCRF HR of 0.70 (CI: 0.4993-0.9957), p=0.0486; IRT HR of 0.76 (CI: 0.5428-1.0759), p=0.1266.

PFS in Patients with p53^{1,2} Wild-Type Endometrial Cancer



Patients with Stage IV or first relapse following chemo-therapy for at least 12 weeks

Median PFS³

Selinexor (n=67): 13.7 mo (95% CI 9.20-NR) Placebo (n=36): 3.7 mo (95% CI 1.87-12.88)

IRT⁴ HR = 0.407 (95% CI 0.229-0.724); one-sided p= 0.0008^5 eCRF HR = 0.375 (95% CI 0.210-0.670); one-sided p= 0.0003^5

p-values are nominal and not adjusted for multiplicity

AEs were generally manageable with supportive care and dose modifications. Most common Gr ≥3 TRAEs were neutropenia (14%) and fatigue (9%).

Planning to initiate registrational-enabling study in 2H 2022. Top-line data expected in 1H 2024

Further Exploration of Selinexor in the p53 Wild-Type Population Represents the Potential for a Significant Paradigm Shift for the Treatment of Women with

Advanced or Recurrent Endometrial Cancer

Phase 3 SIENDO study

Generated strong hypothesis in patients with p53 wild-type Addressing a significant unmet need

Currently
no FDA approved
treatments in the
maintenance
setting

Significant market opportunity

~14K patients diagnosed with advanced and recurrent endometrial cancer in the U.S. each year¹

~50% of these patients are p53 wild-type² Supportive Mechanism of Action

Forced
retention of p53
wild-type in the
cell nucleus by
inhibition of XPO1
allows p53 to carry out
its tumor suppressor
and other regulatory
functions





Selinexor Has the Potential to Improve Patient Outcomes in Myelofibrosis

What is Myelofibrosis (MF)?

- Bone marrow cancer that disrupts body's normal production of blood cells.
- Causes extensive scarring in bone marrow, leading to enlarged spleen, severe anemia and constitutional symptoms

Treatment Landscape and Unmet Need

- Ruxolitinib is the standard of care for newly diagnosed MF
 - Approximately 40% of patients respond²
 - Responses last up to 4 years*
 - Once patients stop responding, the median survival is only ~14 months³ and 5-year survival is ~ 18%⁴
 - In relapsed/refractory patients, an average of ~15%⁵ (range <5-30%)
 of patients will achieve SVR35 with available therapies
- No other approved class of therapies other than JAK inhibitors in ~ 10 years

There are ~17,000 Americans living with MF in the US each year¹

JAK inhibitors are effective in the treatment of MF, but there are significant limitations



Decrease size of spleen



Worsening of preexisting anemia and low platelets



Improve constitutional symptoms



Response can be transient or sub-optimal



Improve QoL



Limited effect on biology and natural history of the disease

The safety and efficacy of selinexor in myelofibrosis has not been established and has not been approved by the US FDA or any other regulatory authority.

Selinexor Data from Phase 2 ESSENTIAL Study¹

Single-agent selinexor (60-80mg QW) in patients with myelofibrosis that is refractory or intolerant to JAK1/2 inhibitors

Durable spleen responses:

- 40% achieved SVR35 at ≥24W; 60% achieved SVR25 at ≥24W
- 2-year survival probability: 92%

Positive impacts on hemoglobin levels:

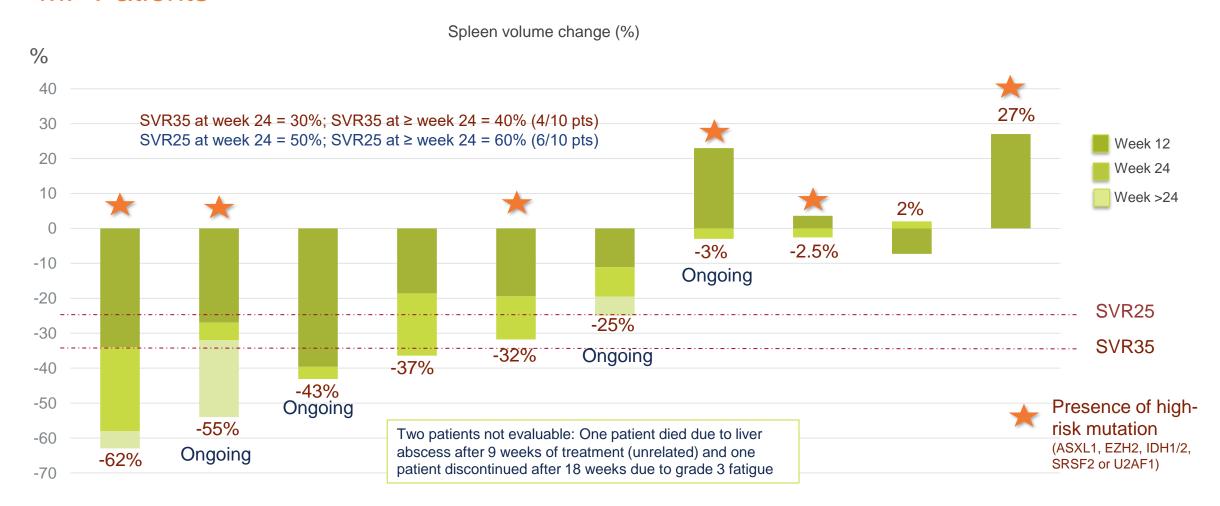
- 50% of patients (4/8) achieved either improved hemoglobin levels or transfusion independence (TI)
- 40% of transfusion dependent (TD) patients (2/5) became TI
- Hemoglobin increased by 2g/dl in 67% of patients (2/3)

Tolerability and sustainability:

- Most common Gr ≥3 TRAEs: anemia (33%) and fatigue (33%)
- Median treatment duration: 11 months (range 2.8 to 28.8 months)

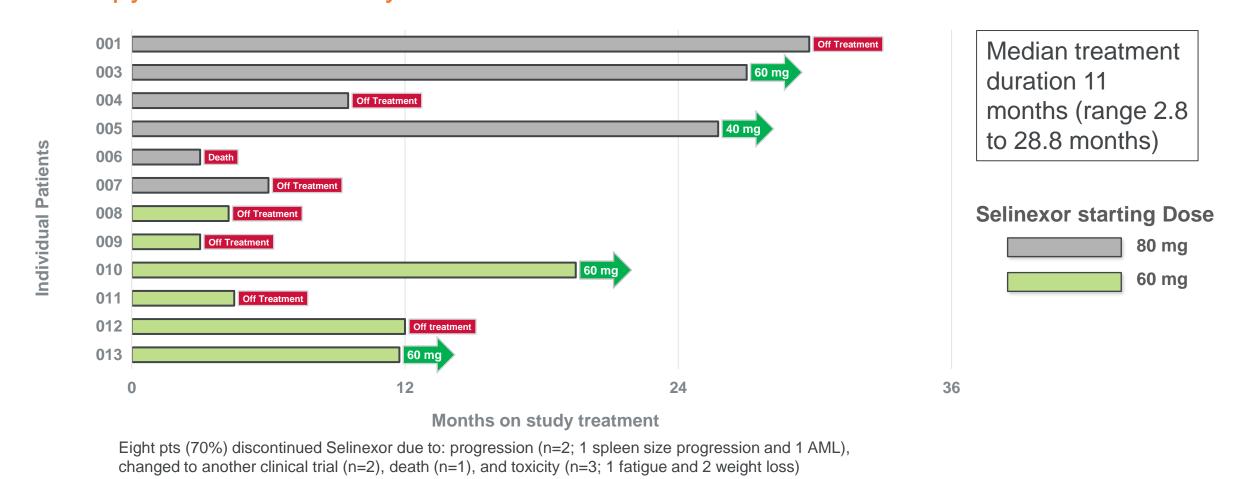
The safety and efficacy of selinexor in myelofibrosis has not been established and has not been approved by the US FDA or any other regulatory authority.

Single-Agent Selinexor Resulted in Sustained Spleen Responses in Refractory MF Patients¹



The safety and efficacy of selinexor in myelofibrosis has not been established and has not been approved by the US FDA or any other regulatory authority.

Single-Agent Selinexor Resulted in Durable Responses with Long Term Therapy Documented Beyond Two Years¹



The safety and efficacy of selinexor in myelofibrosis not been established and has not been approved by the US FDA or any other regulatory authority.

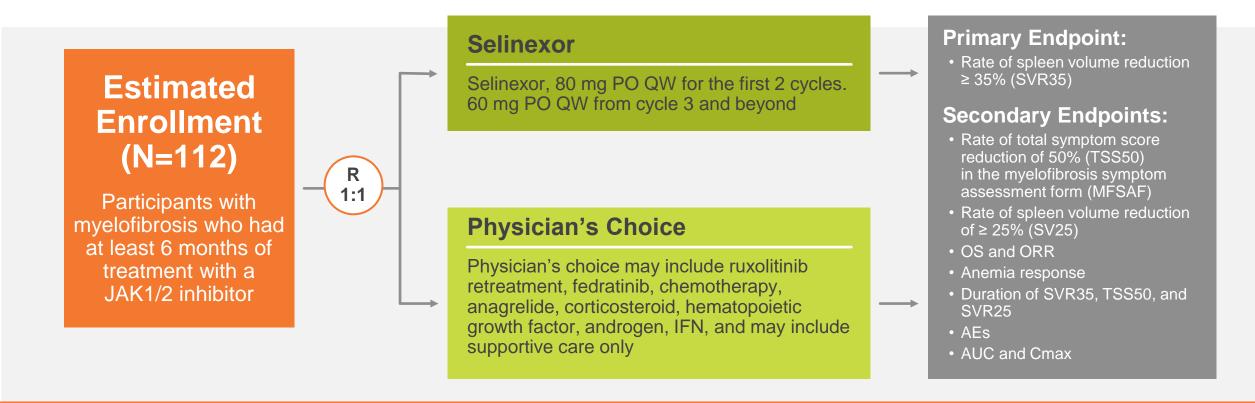
Among Patients with Anemia or Transfusion Dependence 50% Achieved Improved Hemoglobin Levels or Transfusion Independence

Patient	Baseline	Best response	Transfusion requirements
01-001	TD	Became TI	
01-003	TD (<6u/12 weeks)	Became TI	
01-004	TD	Unchanged	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
01-010	TD	Unchanged	
01-011	TD	Unchanged	(chart not available)

Patient	At screening	Best response	Anemia response
01-005	Hgb 8.7	Hgb 13.7	2.0 g/dl increase
01-008	Hgb 9.3	Hgb 10.5	1.2 g/dl increase
01-012	Hgb 9.7	Hgb 11.8	2.1 g/dl increase

- 50% of patients (4 of 8) achieved either improved hemoglobin levels or transfusion independence (TI)
- 40% of transfusion dependent (TD) patients(2 of 5) became TI
- Hemoglobin increased by 2g/dl in 67% of patients (2 of 3)

Phase 2 Study (XPORT-MF-035¹) Evaluating Single-Agent Selinexor Versus Physician's Choice in Previously Treated MF



First patient dosed December 2021

Top-line data expected 2H 2023

1. NCT04562870

Phase 1/2 Study (XPORT-MF-034¹) Evaluating Selinexor in Combination with Ruxolitinib in Treatment-naïve Myelofibrosis



Ph 2 Secondary Endpoints: Percentage of participants who will achieve TSS50 as measured by myeloproliferative neoplasm symptom assessment form, percentage of participants who will achieve SVR25, OS, anemia response, number of participants with AEs by occurrence, nature, and severity, duration of SVR35, duration of SVR25, duration of TSS50, ORR, Cmax, AUC

Preliminary Data From Phase 1 Selected for Presentation at ASCO 2022

Selinexor in Myelofibrosis: Key Takeaways

- Addressing significant unmet need for patients with MF
- Single-agent selinexor showing robust responses in JAKi-refractory disease with the potential to be the first approved new class of therapy
- Phase 2 study ongoing in patients with previously treated MF; top-line data expected 2H 2023
- Preliminary data from selinexor in combination with JAKi in Phase 1/2 in frontline MF to be presented at ASCO 2022



Eltanexor Has the Potential to Improve Survival in HMA Refractory Myelodysplastic Syndromes

What is Myelodysplastic Syndrome (MDS)?

 Blood-forming cells in marrow become abnormal and create immature blood cells that are not able to function properly

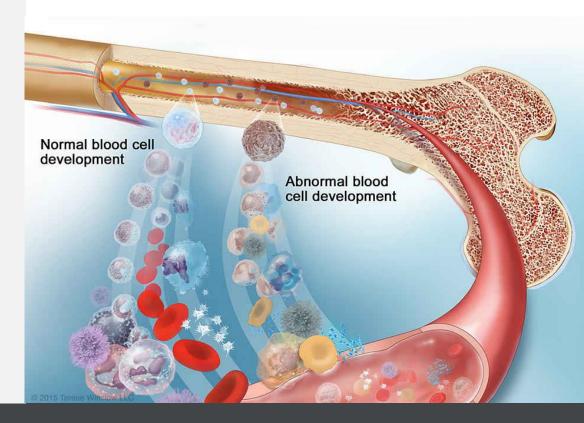
Treatment Landscape

- Hypomethylating agents (HMA) are the current standard of care for patients with newly diagnosed, higher-risk MDS
- Approximately 50% of patients respond; responses typically last <2 years²

Opportunity and Unmet Need

- Prognosis in HMA-refractory disease is poor, with an expected survival of 4-6 months^{3,4}
- No currently approved therapies for HMA-refractory disease

~15,000 patients diagnosed with intermediateto-high risk MDS each year in the US¹



Single-agent Eltanexor Demonstrated Robust Activity with an ORR of 53% Among Patients With HMA Refractory MDS in a Phase 1 Study¹

- No approved drugs and historical overall survival (OS) of 4-6 months in patients with HMA-refractory MDS
- Single-agent eltanexor demonstrated median OS of 9.9 months
 - Response rate correlated to OS; Median OS mCR vs PD: 11.86 vs 3.15 months (HR=0.23, p=0.04)
- Single-agent eltanexor demonstrated 53% ORR

	Total N=15
Overall Response Rate (mCR + HI) ^{2,3}	53%
Median treatment duration (weeks, all patients)	13.0
Median time to response (weeks)	8.4
Median duration of response (weeks)	19.2

The Grade 3/4 AEs across all patients were anemia (40%), leukopenia (20%), thrombocytopenia without bleeding (20%), decreased appetite/weight (20%), neutropenia (40%): no febrile neutropenia, 1 case of sepsis.

No severe bleeding events — which is the corresponding clinical outcome for thrombocytopenia (as you have febrile neutropenia and sepsis as the clinical outcome for neutropenia.

The safety and efficacy of eltanexor in myelodysplastic syndrome not been established and has not been approved by the US FDA or any other regulatory authority.

Phase 2 Expansion of the Ongoing Phase 1/2 Study of Single-Agent Eltanexor in HMA Refractory MDS



First patient dosed Sept 2021
Top-line data expected 1H 2023

Eltanexor in MDS: Key Takeaways

- Addressing significant unmet need for patients with HMA-refractory MDS
- Single-agent eltanexor showing robust responses and survival in HMA-refractory MDS with the potential to be the first approved new class of therapy
- Phase 2 study ongoing in patients with HMA-refractory MDS; top-line data expected 1H 2023
- Initiated eltanexor in combination with HMAs in Phase 1 in frontline MDS



Strategic Partnerships Driving Expansion of Our Global Footprint

Commercial Partnerships Serving Key Global Markets

NEXPOVIO® (selinexor) **NOW PARTNERED** in Europe, Asia Pacific, and other key global territories

The MENARINI Group

Exclusively licensed rights to NEXPOVIO in European Union, the UK, Switzerland, CIS Countries and Latin America

- Karyopharm received upfront payment of \$75M in 4Q21
- Eligible to receive up to an additional \$202.5M in future milestones (based on regulatory and sales performance), plus tiered double-digit royalties on net sales ranging from the midteens to the mid-twenties
- Menarini to co-fund 25%, up to a maximum of \$15M per calendar year, of Karyopharm's global R&D expenses each year from 2022 to 2025

ANTENGENE

 Karyopharm recorded \$19.5 and \$8.6 million in milestone revenue from Antengene in 4Q21 and 1Q22.





EU & LatAm





1Q 2022 Financial Results

Statements of Operations (millions)	1Q 2022	1Q 2021
Total Revenue	\$47.7	\$23.3
XPOVIO Net Sales	28.3	21.7
License and Other Revenue	19.4	1.5
Total Operating Expenses	\$82.3	\$75.6
Cost of Sales	1.4	0.9
Research and Development Expenses	42.1	37.1
Selling, General & Administrative Expenses	38.8	37.7
Net Loss	\$(41.4)	\$(57.4)
Net Loss per share	\$(0.53)	\$(0.77)

Balance Sheet (millions)	March 31, 2022	Dec 31, 2021
Cash, Cash Equivalents, Restricted Cash and Investments	\$207.0	\$235.6

2022 Financial Guidance

- Net Product Revenue of \$135-\$145 million, reflecting ~40% growth compared to 2021
- Non-GAAP R&D and SG&A Expenses of \$265-\$280 million¹
- Cash runway expected to be sufficient to fund planned operations into early 2024

Upcoming Milestones for 2022 and Beyond



- Leverage commercial capabilities and increase US XPOVIO sales (2022)
- Dose first patient in Phase 3 study evaluating selinexor + pomalidomide + dex (1H 2022) √
- CHMP opinion in 2L+ based on BOSTON study¹ (1H 2022) ✓

ENDOMETRIAL CANCER

- Report subgroup and molecular analysis data from SIENDO (ASCO 2022)
- Initiate new registrationenabling Phase 3 study in p53 wild-type (2H 2022)
- Report top-line results (1H 2024)

MYELOFIBROSIS

- Report preliminary Phase
 1 data in combination
 with JAKi in treatment
 naïve MF (ASCO 2022)
- Report top-line Phase 2 selinexor data in previously treated MF (2H 2023)

MYELODYSPLASTIC SYNDROMES

- Report preliminary Phase 1 eltanexor data in combination with HMA in frontline MDS (2H 2022)
- Report top-line Phase 2 eltanexor data in HMArefractory MDS (1H 2023)



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Thank you!