



ONCOLOGY.

Lilly



SAFE HARBOR PROVISION



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**The company undertakes no duty to update forward-looking statements
except as required by applicable law**



JAKE VAN NAARDEN
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ONCOLOGY STRATEGY



Focus on drugs and mechanisms that can be derisked early in clinical development



Quality over quantity



“Build vs buy” agnosticism



Biology-driven target selection and development



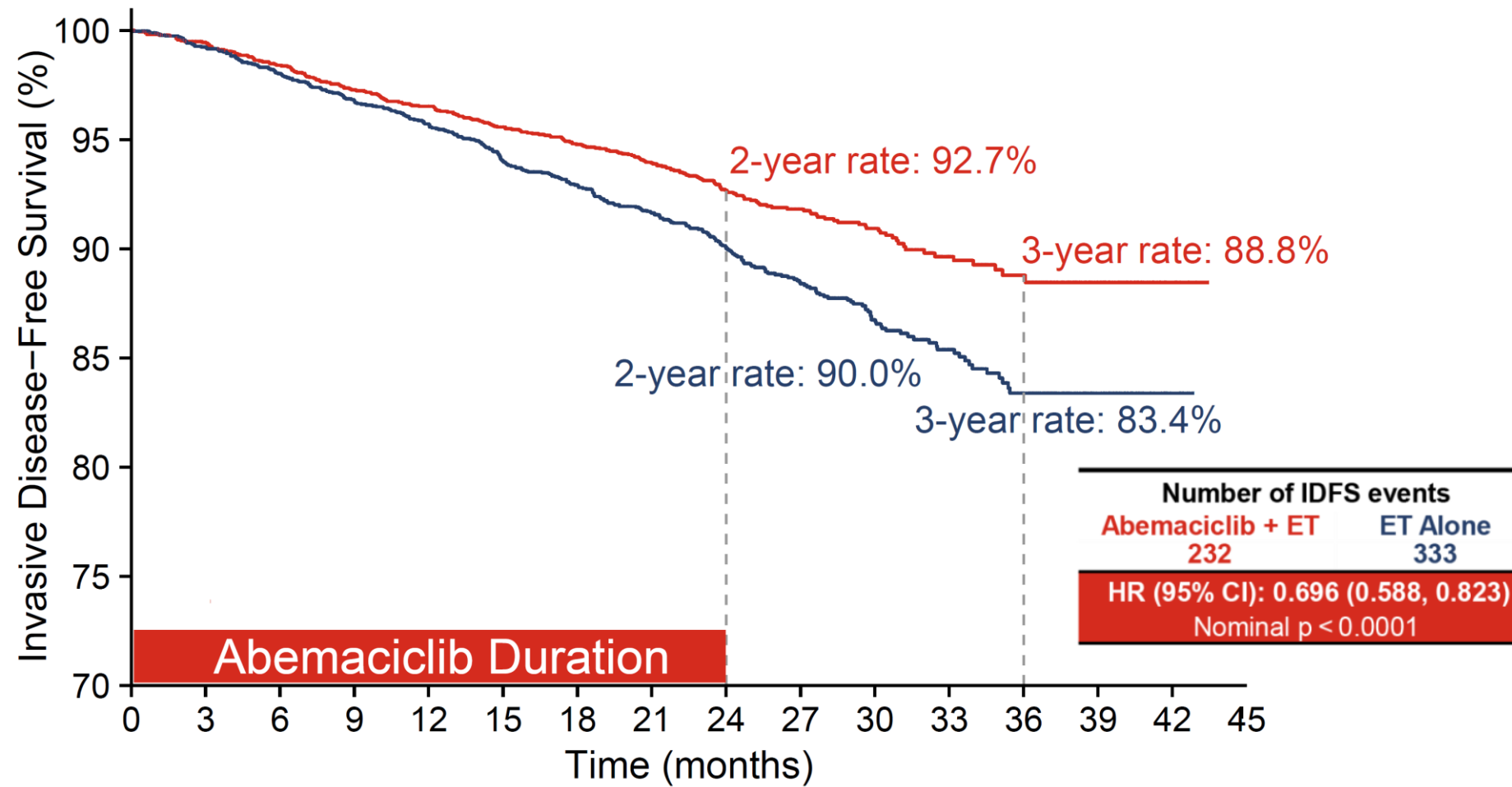
Embrace small molecule and biologics-based modalities

VERZENIO: monarchE DATA FROM ESMO VIRTUAL PLENARY

IDFS BENEFIT MAINTAINED WITH ADDITIONAL FOLLOW UP IN ITT POPULATION



VERZENIO REDUCED THE RISK OF CANCER RECURRENCE BY 30.4%



- The absolute difference in IDFS rates between arms was 5.4% at 3 years
- Consistent IDFS treatment benefit observed in prespecified subgroups
- Continued IDFS benefit beyond 2-year Verzenio treatment period
- Median follow-up of 27.1 months

Analysis landmark	IDFS
	Piecewise HR* (95% CI**)
Year 0-1	0.795 (0.589, 1.033)
Year 1-2	0.681 (0.523, 0.869)
Year 2+	0.596 (0.397, 0.855)

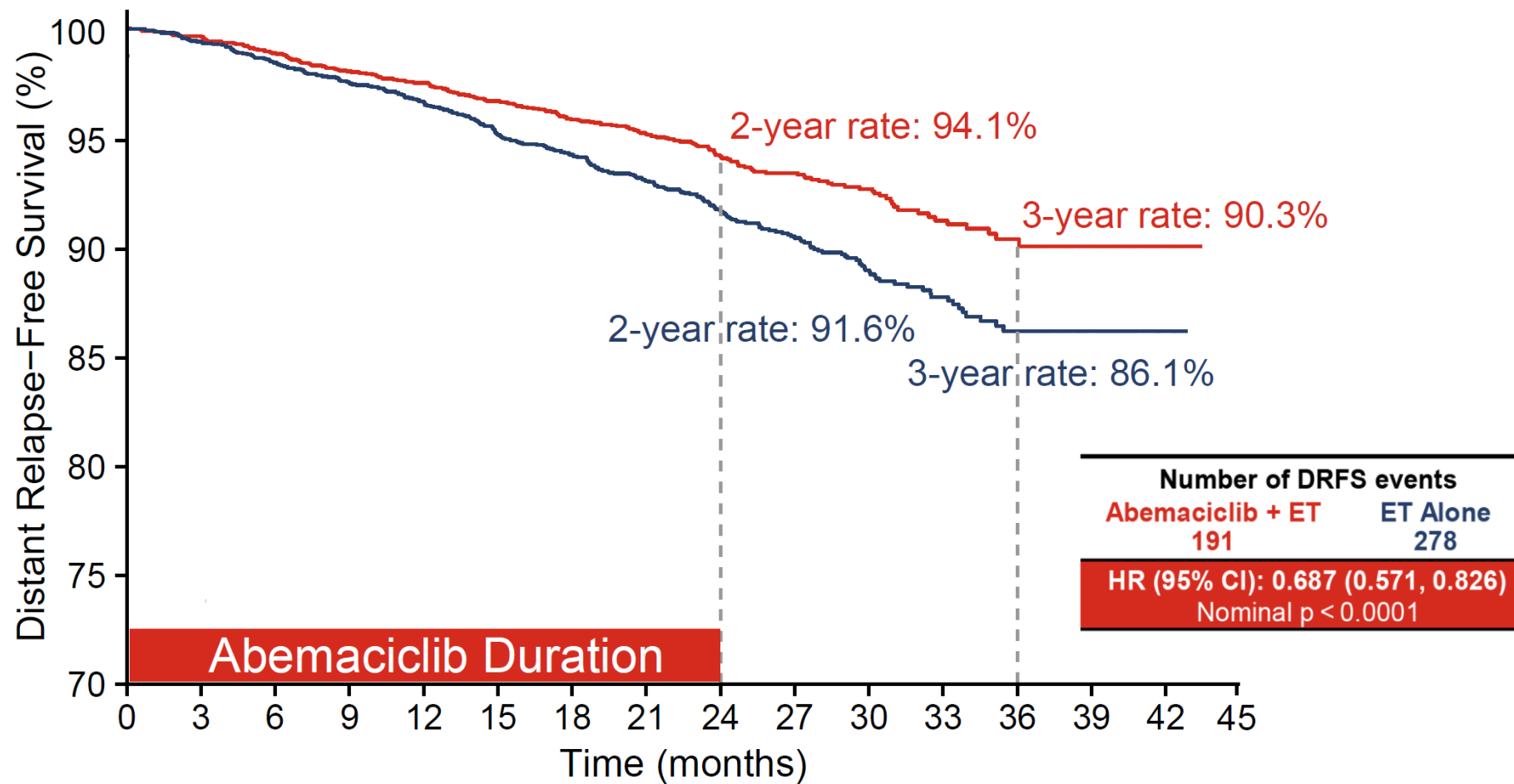
Verzenio in combination with ET is approved for use in patients with HR+ HER2- high-risk, early breast cancer and a Ki-67 index >20%. Data presented above are in a population broader than this approved use
 * Piecewise hazard ratio was estimated using piecewise exponential model to assess the yearly treatment effect size ** 95% credible intervals were calculated by equal tails in the posterior samples of Bayesian exponential models
 ESMO = European Society for Medical Oncology; ITT = intention-to-treat; IDFS = invasive disease-free survival; ET = endocrine therapy; HR = hazard ratio

VERZENIO: monarchE DATA FROM ESMO VIRTUAL PLENARY

DRFS BENEFIT MAINTAINED WITH ADDITIONAL FOLLOW UP IN ITT POPULATION



VERZENIO REDUCED THE RISK OF DISTANT METASTASES BY 31.3%



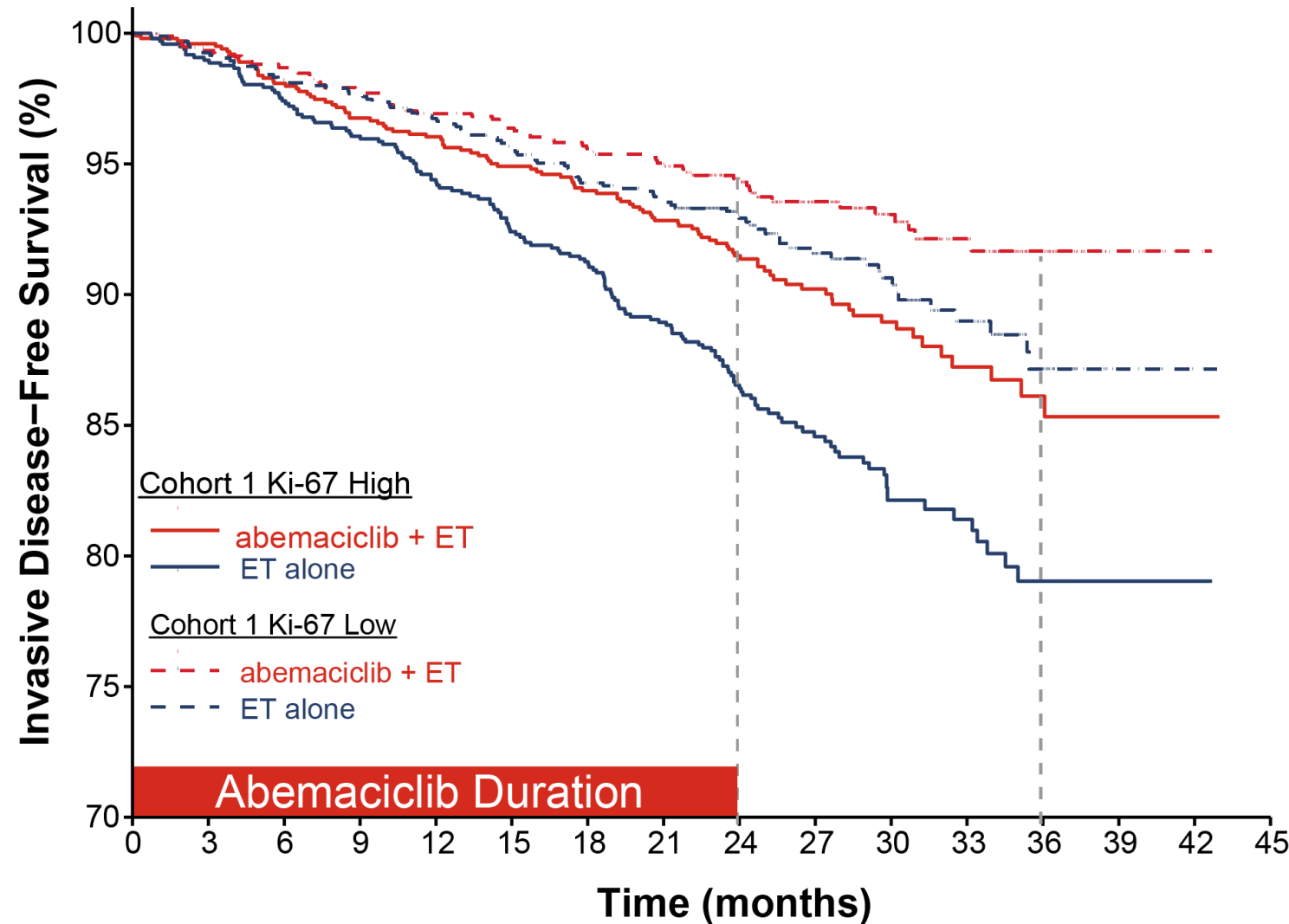
- The absolute difference in DRFS rates between arms was 4.2% at 3 years
- Consistent DRFS treatment benefit observed in prespecified subgroups
- Continued DRFS benefit beyond 2-year Verzenio treatment period
- Median follow-up of 27.1 months

Analysis landmark	DRFS
	Piecewise HR* (95% CI**)
Year 0-1	0.732 (0.520, 0.987)
Year 1-2	0.675 (0.507, 0.875)
Year 2+	0.692 (0.448, 1.032)

Verzenio in combination with ET is approved for use in patients with HR+ HER2- high-risk, early breast cancer and a Ki-67 index >20%. Data presented above are in a population broader than this approved use
 * Piecewise hazard ratio was estimated using piecewise exponential model to assess the yearly treatment effect size ** 95% credible intervals were calculated by equal tails in the posterior samples of Bayesian exponential models
 ESMO = European Society for Medical Oncology; ITT = intention-to-treat; DRFS = distant recurrence free survival; ET = endocrine therapy; HR = hazard ratio

VERZENIO: monarchE DATA FROM ESMO VIRTUAL PLENARY

Ki-67 WAS PROGNOSTIC OF RECURRENCE RISK BUT NOT PREDICTIVE OF ABEMACICLIB BENEFIT



	Abemaciclib + ET	ET alone	HR (95% CI)
Cohort 1 Ki-67 High, N = 2003			
Patients, N	1017	986	0.626 (0.488, 0.803)
Events, n	104	158	
3-Year Rates	86.1%	79.0%	
Cohort 1 Ki-67 Low, N = 1914			
Patients, N	946	968	0.704 (0.506, 0.979)
Events, n	62	86	
3-Year Rates	91.7%	87.2%	

As expected, high Ki-67 index was prognostic of worse outcome.
However, abemaciclib had a similar effect size regardless of Ki-67 index.

Verzenio in combination with ET is approved for use in patients with HR+ HER2- high-risk, early breast cancer and a Ki-67 index >20%. Data presented above are in a population broader than this approved use; Data from Cohort 1 = high-risk based on clinical pathological features (≥4 ALN OR 1-3 ALN and at least 1 of the following: grade 3 disease, tumor size ≥5 cm); ESMO = European Society for Medical Oncology; ET = endocrine therapy; HR = hazard ratio

PHASE 2/3 TRIAL: CYCLONE 2

- Evaluating metastatic castrate-resistant prostate cancer; a second-line population by today's standards
- Intervention: Abiraterone/prednisone +/- Verzenio
- ~350 patients
- Blinded to IDMC analysis, but high efficacy bar for rPFS was set for Phase 3 trigger
- Historic duration of therapy ~16 months
- Primary outcome data expected 2024

NEW PHASE 3 TRIAL: CYCLONE 3

- Study start planned for mid-2022
- Evaluating an earlier line treatment population in prostate cancer
- Intervention: Abiraterone/prednisone +/- Verzenio
- Historic duration of therapy ~40 months

IDMC = independent data monitoring committee; rPFS = Radiographic progression-free survival

RETEVMO

FIRST-IN-CLASS RET INHIBITOR



PERFORMANCE

- First RET inhibitor approved for certain lung and thyroid cancers with RET fusions and mutations
- Rapid development timeline: 3 years from first human dose to approval
- In the largest and most mature set of clinical data for a RET inhibitor, Retevmo has shown robust, durable objective response rates
- Market leading performance with continued focus on diagnostics utilization

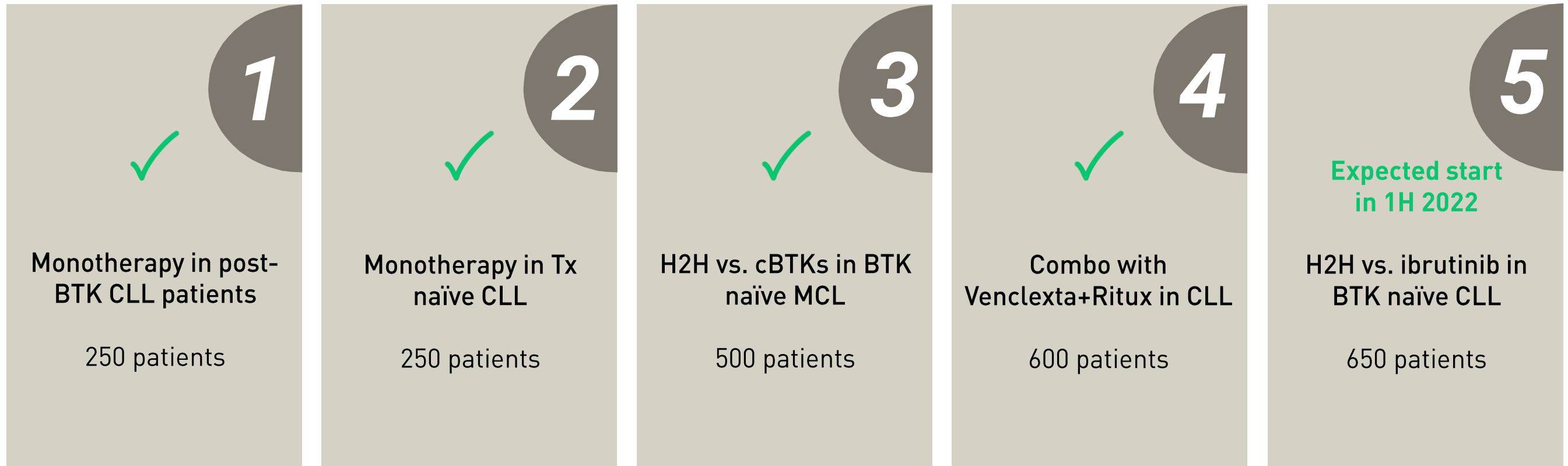
CLINICAL & REGULATORY UPDATES

- CCR manuscript supported Retevmo as a new standard of care for treatment of brain metastases for advanced RET-fusion positive NSCLC
- Randomized first-line lung study expected to read out in early 2023
- sNDA for full U.S. approval for lung cancer submitted with regulatory action expected in 2022
- Recently submitted data to the EMA to expand the lung indication to be line agnostic

CCR = Clinical Cancer Research; NSCLC = non-small cell lung cancer; sNDA = supplemental new drug application; EMA = European Medicines Agency

PIRTOBRUTINIB

FOUR OF FIVE GLOBAL STUDIES INITIATED IN 2021

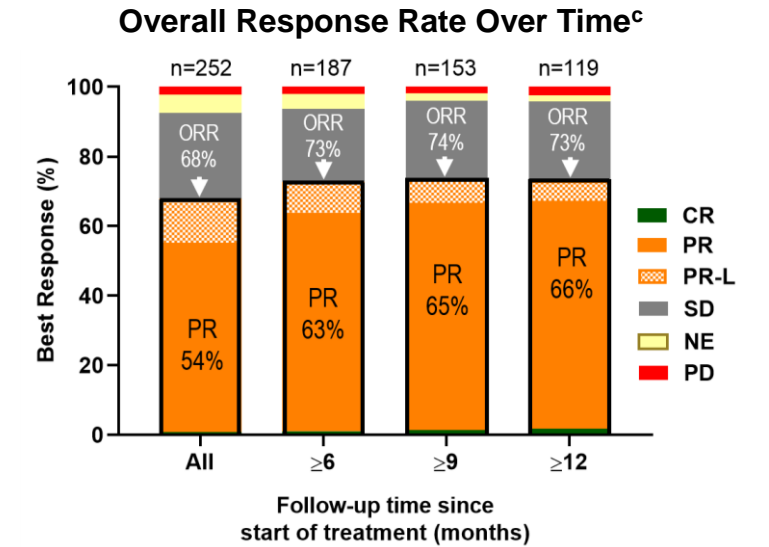
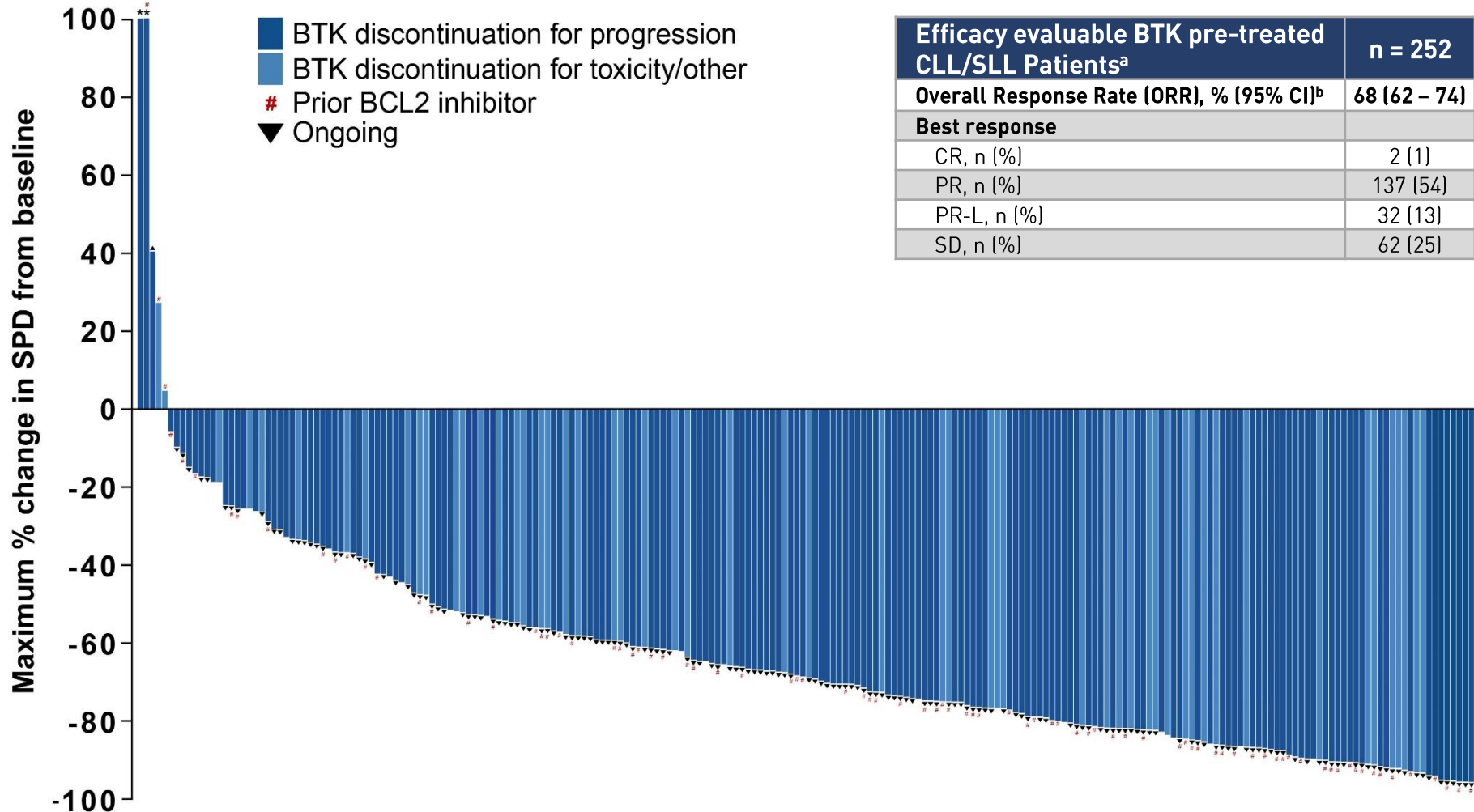


✓ Denotes study has started

BTK = Bruton Tyrosine Kinase; cBTK = covalent Bruton Tyrosine Kinase; CLL = Chronic lymphocytic leukemia; MCL = mantle cell lymphoma; H2H = head-to-head

PIRTOBRUTINIB

EFFICACY IN BTK PRE-TREATED CLL/SLL PATIENTS

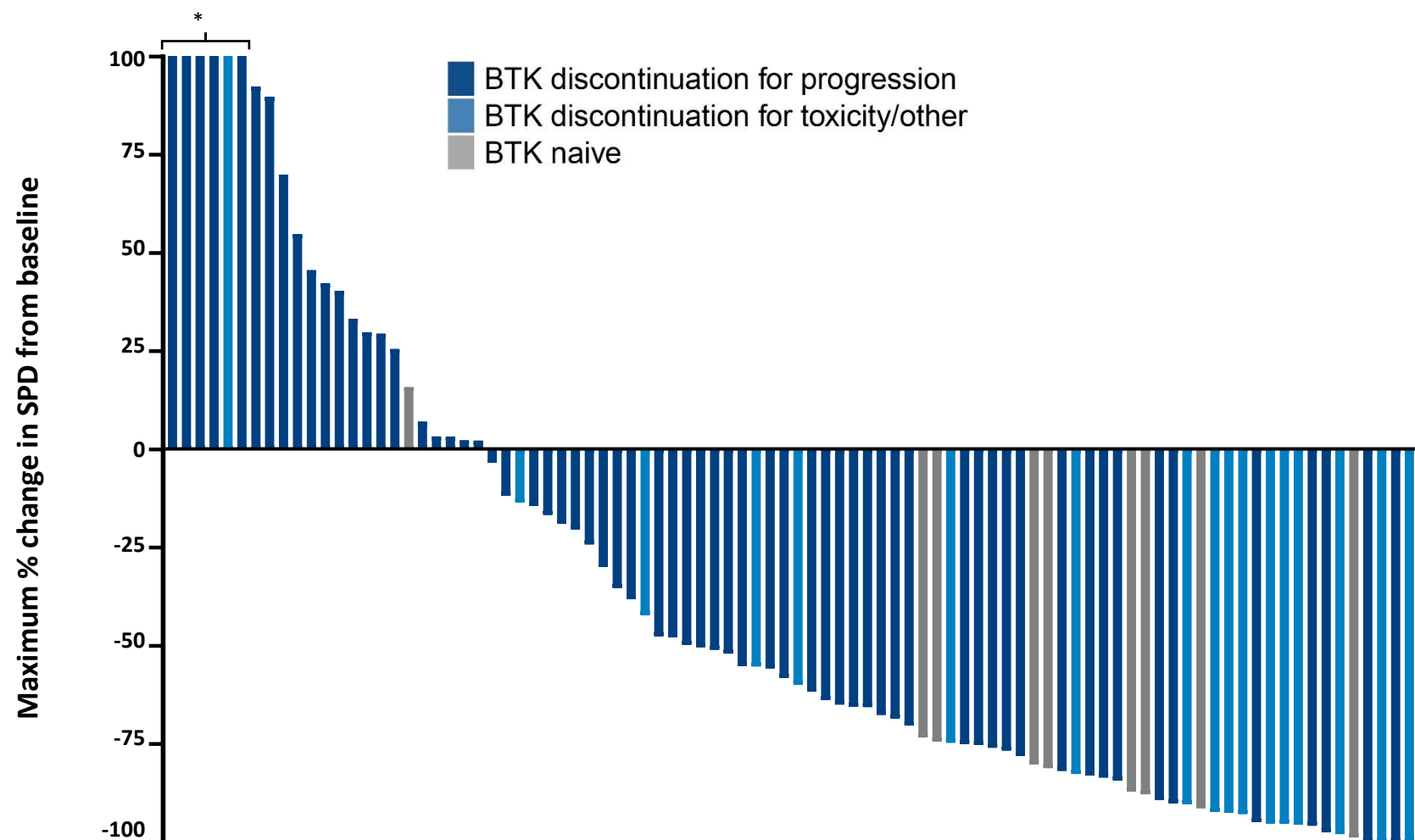


- 68% ORR in CLL/SLL patients rising to 73% in patients followed for 12 or more months
- Efficacy was independent of BTK C481 mutation status, the reason for prior BTK discontinuation, or other classes of prior therapy received (including covalent BTK and BCL2i)
- 74% of BTK pre-treated patients remain on therapy

Data cutoff date of 16 July 2021. *Patients with >100% increase in SPD. Data for 30 patients are not shown in the waterfall plot due to no measurable target lesions identified by CT at baseline, discontinuation prior to first response assessment, or lack of adequate imaging in follow-up. ^aEfficacy evaluable patients are those who had at least one post-baseline response assessment or had discontinued treatment prior to first post-baseline response assessment. ^bORR includes patients with a best response of CR, PR, and PR-L. Response status per iwCLL 2018 according to investigator assessment. Total % may be different than the sum of the individual components due to rounding. ^cIncludes the BTK pre-treated efficacy-evaluable CLL/SLL patients at the time of data cutoff. Data at each timepoint includes the BTK pre-treated efficacy-evaluable CLL/SLL patients who had the opportunity to be followed for at least the indicated amount of time. CLL = Chronic lymphocytic leukemia; SLL = small lymphocytic lymphoma; CR = complete response; PR = partial response; SD = stable disease

PIRTOBRUTINIB

EFFICACY IN MANTLE CELL LYMPHOMA (MCL)



BTK Pre-Treated MCL Patients ^a		n=100
Overall Response Rate (ORR)^b, % (95% CI)		51% (41-61)
Best Response		
CR, n (%)	25 (25)	
PR, n (%)	26 (26)	
SD, n (%)	16 (16)	
BTK Naive MCL Patients ^a		n=11
Overall Response Rate^b, % (95% CI)		82% (48-98)
Best Response		
CR, n (%)	2 (18)	
PR, n (%)	7 (64)	
SD, n (%)	1 (9)	

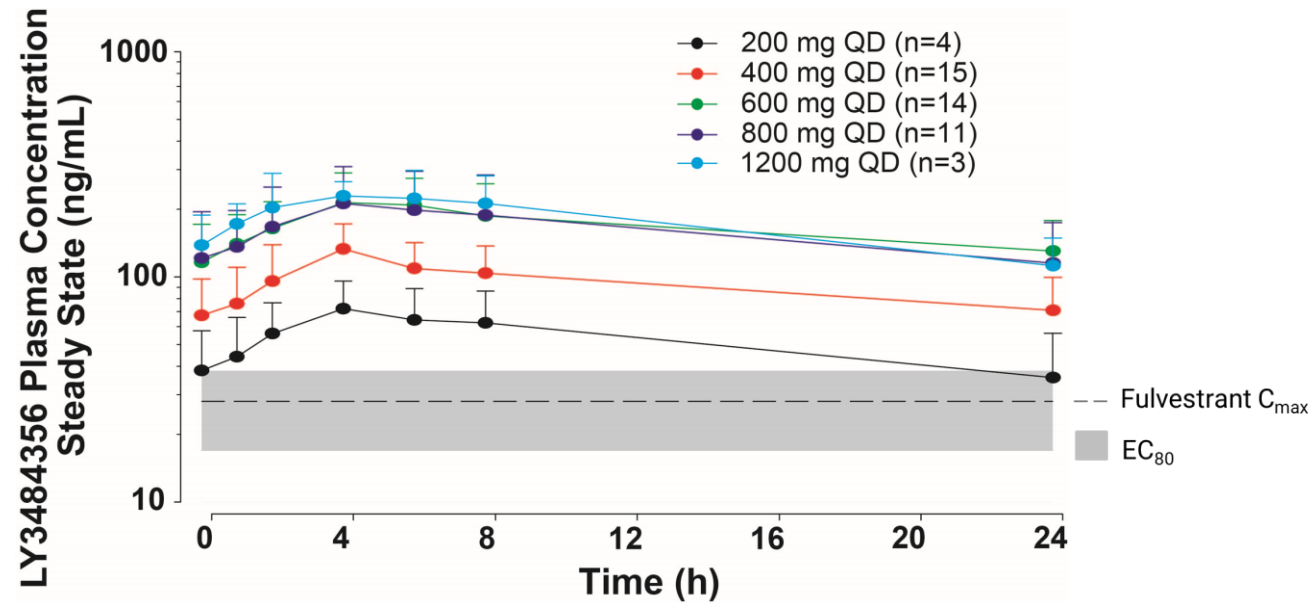
- 51% ORR in BTK pre-treated MCL patients
- Median duration of response was 18 months at a median follow-up of 8.2 months (range, 1.0-27.9 months)
- 60% of responding patients are ongoing
- Favorable safety and tolerability are consistent with the design of pirtobrutinib as a highly selective and non-covalent (reversible) BTK inhibitor
- **Rolling submission for MCL initiated in December with potential regulatory action date in early 2023**

Data cutoff date of 16 July 2021. Data for 20 MCL patients are not shown in the waterfall plot due to no measurable target lesions identified by CT at baseline, discontinuation prior to first response assessment, or lack of adequate imaging in follow-up. *Indicates patients with >100% increase in SPD. ^aEfficacy evaluable patients are those who had at least one post-baseline response assessment or had discontinued treatment prior to first post-baseline response assessment. ^bORR includes patients with a best response of CR and PR. Response status per Lugano 2014 criteria based on investigator assessment. Total % may be different than the sum of the individual components due to rounding; CR = complete response; PR = partial response; SD = stable disease

IMLUNESTRANT (ORAL SERD)



PHASE 1 PK DATA

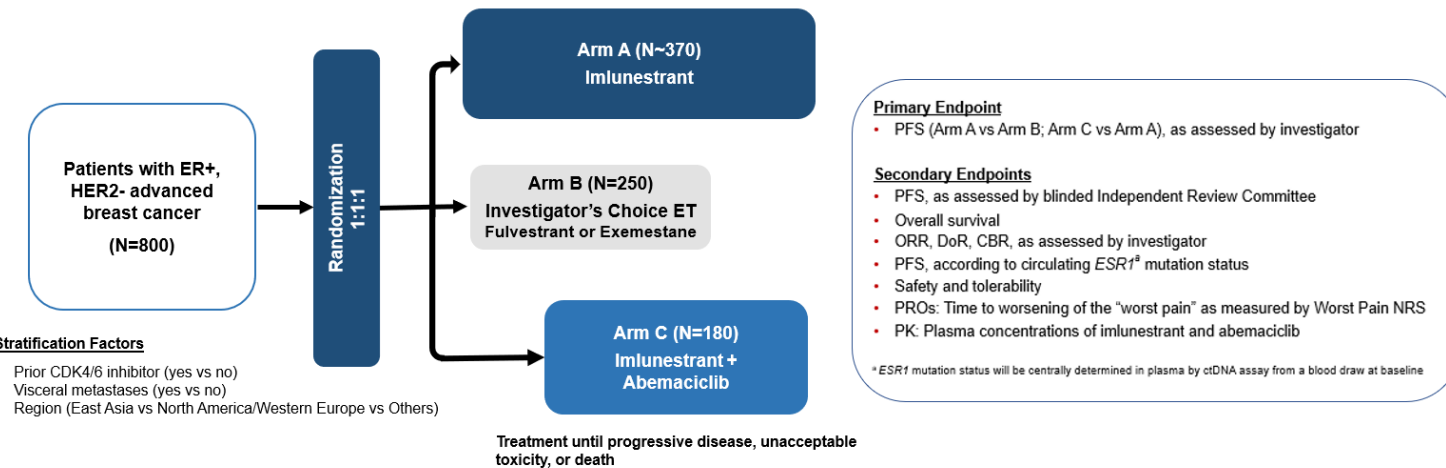


- Early efficacy in heavily pretreated advanced breast cancer patients at recommended Phase 2 dose (400mg)
- Potential for a favorable safety profile versus competition (no class cardiac/ophthalmic signal)
- No dose limiting toxicities were observed

PHASE 3 DESIGN



Imlunestrant vs. Investigator's Choice of Endocrine Therapy, and Imlunestrant plus Abemaciclib in Patients with ER+/HER2- Locally Advanced or Metastatic Breast Cancer Previously Treated with Endocrine Therapy



- Phase 3 2L metastatic breast cancer results expected in 2023
- Disclosure of adjuvant plans expected in 2022

ET = endocrine therapy; ER = estrogen receptor; HER2 = human epidermal growth factor receptor 2; QD = daily dosing; PFS = progression free survival; ORR = overall response rate; DOR = duration of response; CBR = clinical benefit rate; PROs = patient reported outcomes; NRS = numerical rating scale; PK = pharmacokinetics; 2L = second line

BIOLOGIC RATIONALE

- Clinically active dual IDH1 and IDH2 inhibitor
- Binding mode/site preserves activity against second-site resistance mutations
- This unique profile has the potential for longer disease control relative to other IDH inhibitors
- No known IDH inhibitors with this profile in development

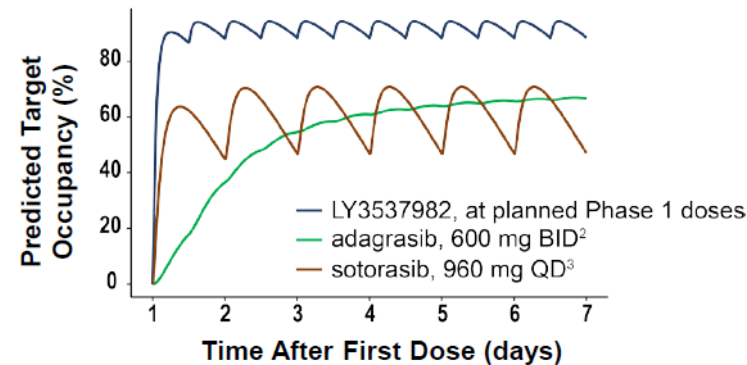
IDH = isocitrate dehydrogenase

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OPPORTUNITY & NEXT STEPS

- ~20% of acute myeloid leukemia
 - U.S.: 4,200 patients per year
 - Global: 13,800 patients per year
- ~20% of cholangiocarcinoma
 - U.S.: 600 new patients per year
 - Global: 3,800 new patients per year
- Robust Phase 1 dataset (heme and solid tumors) in 2022 expected to inform next steps

BIOLOGIC RATIONALE



	LY3537982	Adagrasib	Sotorasib
pERK H358 IC ₅₀ (nM)	0.65 (2h, n=5)	14 (3h) ⁴	13.5 (2h, n=2)
Active RAS H358 IC ₅₀ (2h, nM)	3.35 (n=6)	89.9 (n=1)	47.9 (n=3)
Kinact/Ki (M ⁻¹ s ⁻¹)	522,000	35,000 ⁴	9,900 ⁵
Predicted Target Occupancy Range	>90% trough*	60%*	45–70%*

Highly potent covalent inhibitor with potential for >90% clinical target occupancy, which may translate to greater single agent efficacy

Better pharmacologic properties could allow for less toxicity in combination with other targeted therapy combos in NSCLC & EGFR monoclonal antibodies in CRC

OPPORTUNITY & NEXT STEPS

- KRAS G12C is 14% of mNSCLC (adenocarcinoma)
 - U.S.: 8,000 patients per year
 - Global: 32,000 patients per year
- KRAS G12C is 3% of mCRC
 - U.S.: 650 patients per year
 - Global: 4,000 patients per year
- Initial clinical data expected in 2022

Target occupancy (TO) predicted by mechanistic PK/PD model using mouse xenograft and cell-based studies that account for KRAS turnover, KRAS-GTP hydrolysis, GDP to GTP exchange, and KRAS-GDP binding to drug and inactivation, relative to human free exposures; For adagrasib and sotorasib, PK of the RP2D and relative Koff values were used to predict TO; mNSCLC = metastatic non-small cell lung cancer; mCRC = metastatic colorectal cancer

PI3K α (LOXO-783)

A POTENT, HIGHLY MUTANT-SELECTIVE, & BRAIN PENETRANT ALLOSTERIC PI3K α H1047R INHIBITOR



SELECTIVITY DRIVES POTENTIAL FOR GREATER EFFICACY WITH IMPROVED TOLERABILITY

PI3K α H1047R are activating oncogenic events that occur in ~15% of breast cancers and less commonly in other cancers

All approved PI3K α inhibitors inhibit both wild-type and mutated PI3K α with approximate equal potency resulting in potentially limited efficacy by on-target wild-type PI3K α mediated toxicity including dose-limiting hyperglycemia as well as cutaneous and GI toxicity

Human studies expected to begin in H1 2022

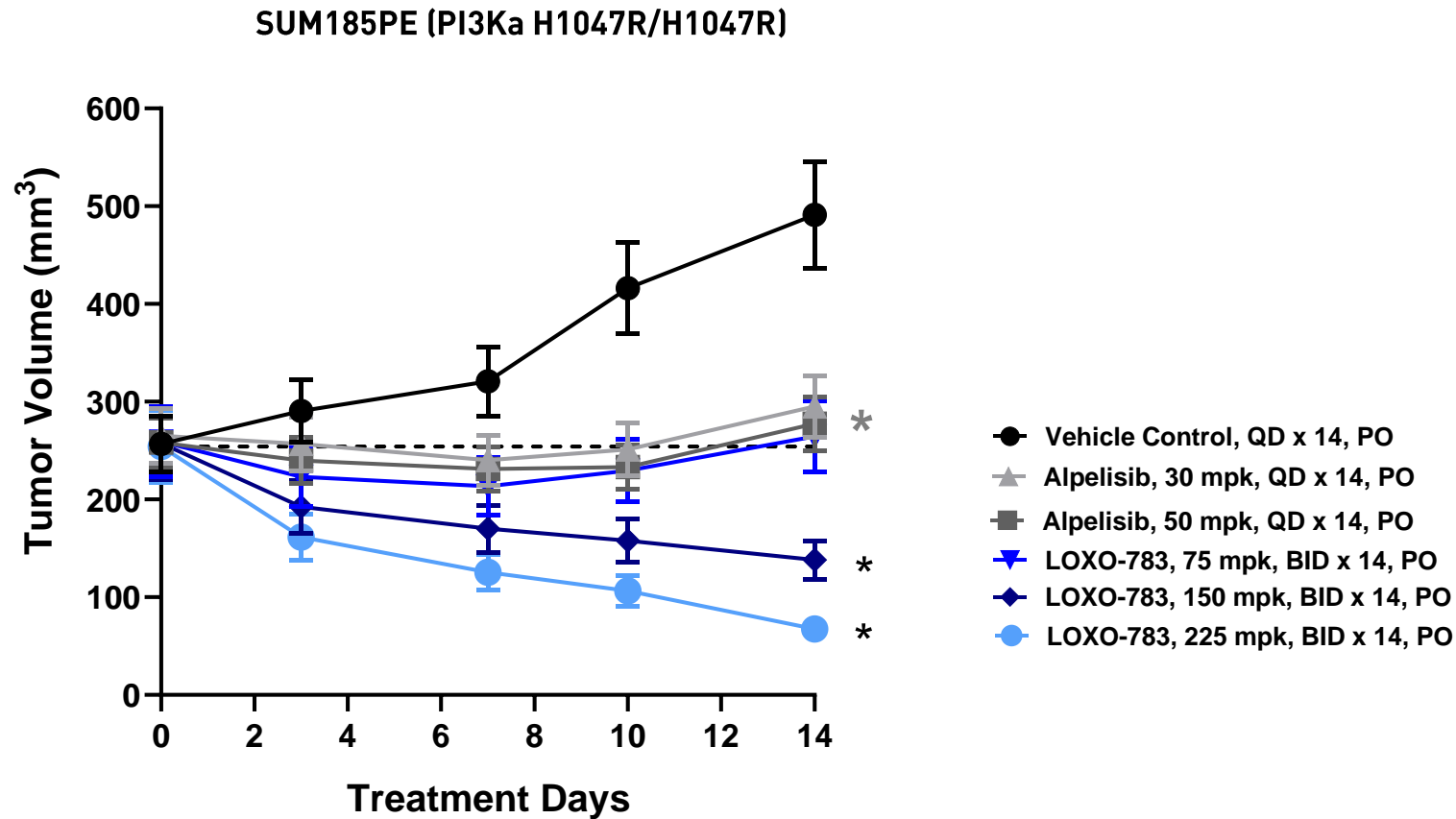
			LOXO-783	Alpelisib	Inavolisib (GDC-0077)
Cell AlphaLISA pAKT (pS473) IC ₅₀ (nM)	PI3K α H1047R	T47D	3	64	14
		SUM185PE	1.3	43	14
		MDA-MB-453	5	49	16
	PI3K α WT	SK-BR-3	286	128	30
	WT Selectivity		~90x	2.4x	2x
Cell proliferation IC ₅₀ (nM)	PI3K α H1047R	T47D	4	396	72
		SUM185PE	3.2	356	44
		MDA-MB-453	9	727	57
	PI3K α WT	SK-BR-3	>300	285	104
	WT Selectivity		Upper bound of selectivity NE	1x	1.7x
Other properties	CNS penetrance		Predicted to achieve meaningful brain exposure		
	Target occupancy		1-3 h	<10 mins	<10 mins

GI = gastrointestinal; IND = investigational new drug

Breast cancer cell lines used - T47D: PI3K α ^{H1047R/WT} (ER+, HER2-); MDA-MB-453: PI3K α ^{H1047R/WT} (ER-, HER2-); SUM185PE: PI3K α ^{H1047R/H1047R} (ER-, HER2-); SK-BR-3: PI3K α ^{WT/WT} (ER-, HER2+); NE = not estimable

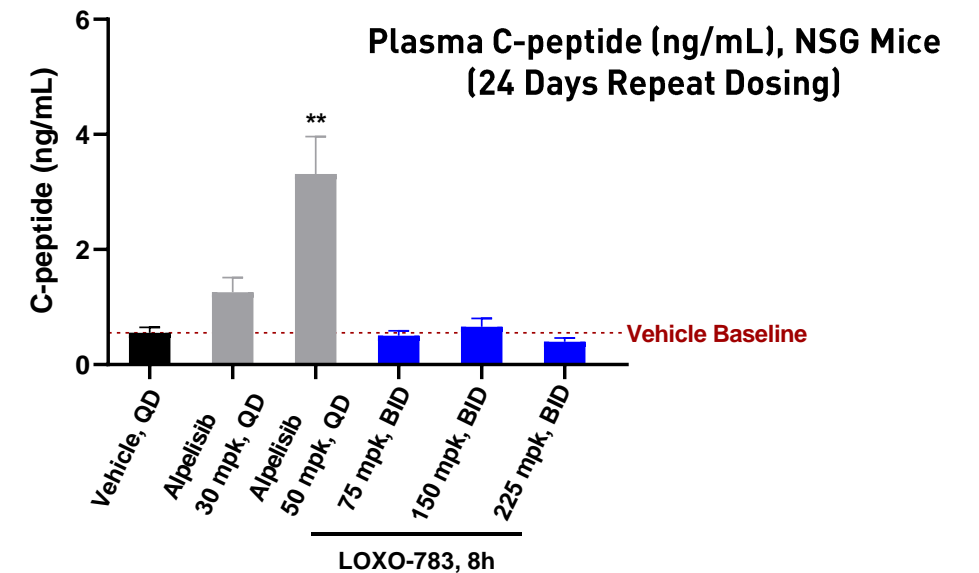
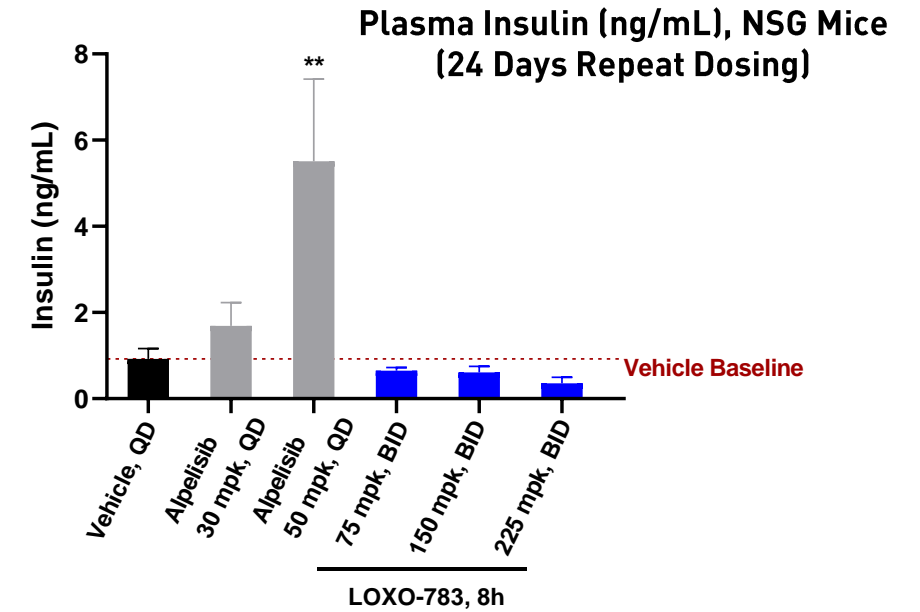
PI3K α (LOXO-783)

ACHIEVED SIGNIFICANT TUMOR REGRESSION IN PI3K α H1047R BREAST CANCER XENOGRAFTS WITHOUT ANY INCREASES IN INSULIN OR C-PEPTIDE



* Alpelisib exposure at 50 mpk dose in NSG mice is ~2x higher than human exposure at approved dose

LOXO-783 showed greater activity than alpelisib at doses that did not cause any increase in plasma insulin or C-peptide



*p<0.05 compared to alpelisib on day 14. All treatments significantly (p<0.05) reduced tumor volume compared to the vehicle control on day 14. **p<0.05 compared to vehicle. Data are mean \pm SEM

FGFR3 (LOXO-435)

FGFR1 AND FGFR2 INHIBITION DRIVE IMPORTANT, DOSE-LIMITING TOXICITIES



	Erdafitinib ¹	Pemigatinib ²	Infigratinib ³	Bemarituzumab ⁵
Inhibitor classification	Pan-FGFR	Pan-FGFR	Pan-FGFR	FGFR2b mAb
Indication	FGFR2/3-altered UC	FGFR2-altered CCA	FGFR2-altered CCA	Investigational
Dose and schedule	8+1 mg/day (dose changes based on phosphate levels)	13.5 mg/day 14 days on, 7 days off	125 mg/day 21 days on, 7 days off	15 mg/kg every 2 weeks (plus 7.5 mg/kg on day 8 of first cycle only)
ORR	32.2%	36%	30.8% ⁴	–
Hyperphosphatemia	76%	60%	46% ⁴	–
Common adverse events	Hyperphosphatemia, ocular disorders, embryofetal toxicity	Hyperphosphatemia, ocular disorders, embryofetal toxicity	Hyperphosphatemia, ocular disorders, embryofetal toxicity	stomatitis, ocular disorders
Cell IC ₅₀ (nM)	1.7 (FGFR1) 1.0 (FGFR2) 3.3 (FGFR3 S249C)	0.9 (FGFR1) 1.5 (FGFR2) 2.0 (FGFR3 S249C)	4.3 (FGFR1) 4.9 (FGFR2) 8.4 (FGFR3 S249C)	–
Selectivity (target) vs FGFR3 S249C	3.3x (FGFR2), 1.0x (FGFR3)	1.4x (FGFR2)	1.7x (FGFR2)	–

○ FGFR1-mediated hyperphosphatemia is a dose-limiting toxicity of pan-FGFR inhibitors¹⁻⁴

○ FGFR2-mediated cutaneous/nail, ocular, and perioral toxicities drive chronic intolerance of pan-FGFR inhibitors⁵

¹Balversa. Prescribing information. Janssen Pharmaceutical Companies; 2020. ²Pemazyre. Prescribing information. Incyte corporation; 2021. ³Truseltiq. Prescribing information. QED Therapeutics; 2021. ⁴Lyou Y et al. 2020 *JCO*, 38:15_suppl, 5038. ⁵Catenacci DVT et al. 2021 *JCO*, 39:15_suppl (May 20, 2021) 4010. ORR = overall response rate; mAb = monoclonal antibody

FGFR3 (LOXO-435)

A POTENT AND HIGHLY ISOFORM-SELECTIVE FGFR3 INHIBITOR WITH GATEKEEPER ACTIVITY



Cellular signaling assays best exemplify LOXO-435's potential to avoid FGFR1/2-mediated toxicities

Cellular Phospho Target Inhibition (HEK293)					Fold Selectivity	
	pFGFR1 IC ₅₀ (nM)	pFGFR2 IC ₅₀ (nM)	pFGFR3 S249C IC ₅₀ (nM)	pFGFR3 S249C, V555M IC ₅₀ (nM)	pFGFR3 S249C over pFGFR1	pFGFR3 S249C over pFGFR2
Erdafitinib	1.7	1.0	3.3	132.4	0.5x	0.3x
Pemigatinib	0.9	1.5	2.0	1451.7	0.5x	0.8x
Infigratinib	4.3	4.9	8.4	244.9	0.5x	0.6x
Futibatinib	1.0	1.0	2.7	63.4	0.4x	0.4x
LOXO-435	207.8	112.2	3.4	9.7	61x	33x

- Activating FGFR3 gene alterations are found in ~15-20% of advanced bladder cancers
- All approved and investigational FGFR small molecule inhibitors are similarly potent against FGFR1-3 resulting in potentially limited efficacy by toxicities driven by inhibition of both FGFR1 and FGFR2
- Existing drugs lose potency in the setting of FGFR3 gatekeeper mutations, which have been reported as mechanisms of acquired resistance to existing pan-FGFR inhibitors
- Human studies expected to begin in H2 2022

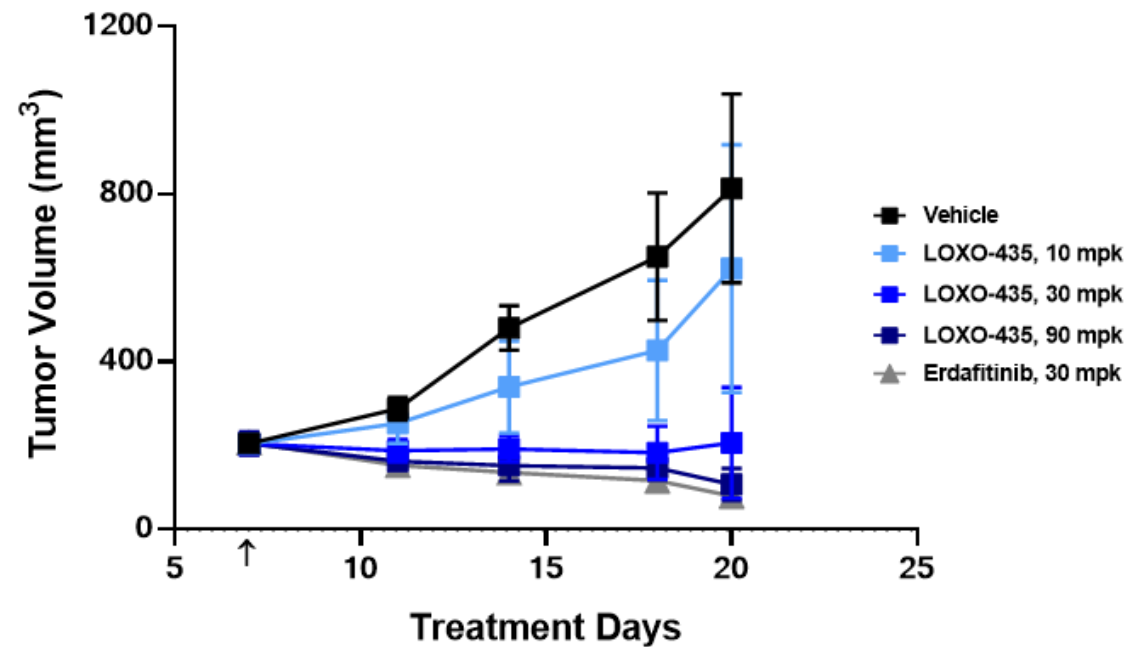
Cell based phosphorylation assays were conducted using HEK293 cell lines engineered to express FGFR1, FGFR2, FGFR3 (S249C) and FGFR3 (S249C, V555M). Assays were developed utilizing In-Cell Western (LICOR) by monitoring FGFR activation loop phosphorylation normalized to GAPDH antibody signal

FGFR3 (LOXO-435)

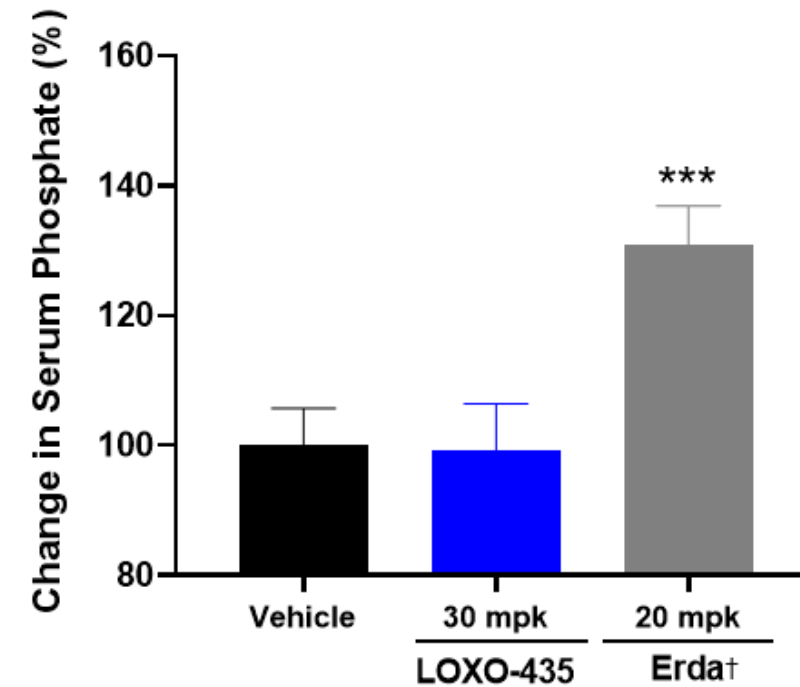
DISPLAYS A WIDE THERAPEUTIC INDEX IN VIVO



LOXO-435 in UMUC-14 (FGFR3 S249C)



Serum phosphate in rat



LOXO-435 caused tumor regressions without hyperphosphatemia

Rodent efficacy and target inhibition studies were performed by subcutaneous implantation of human urothelial cancer line UMUC-14 in immunocompromised mice. Treatment started when the average tumor size was between 150-200 mm³. ↑ = Start of treatment; Total serum phosphate changes determined by measuring total serum phosphate pre and post treatment, then compared to vehicle control; ***p<0.0001 compared to vehicle. †Erdafitinib MTD in rats is 20 mpk; Note: LOXO-435, 90 mpk rat hyperphosphatemia study in progress

ONCOLOGY BUSINESS DEVELOPMENT



PETRA PHARMA

- Strategic acquisition of a lead optimization preclinical small molecule program (mutant-selective PI3Ka)
- Expected to start human studies in the first half of 2022
- Potential to differentiate with unique target profile that could drive greater efficacy and improved tolerability

Merus

- Collaboration to discover novel T-cell re-directing bispecific antibodies
- Differentiated platform in a class with emerging clinical importance

FCGHORN[®]
THERAPEUTICS

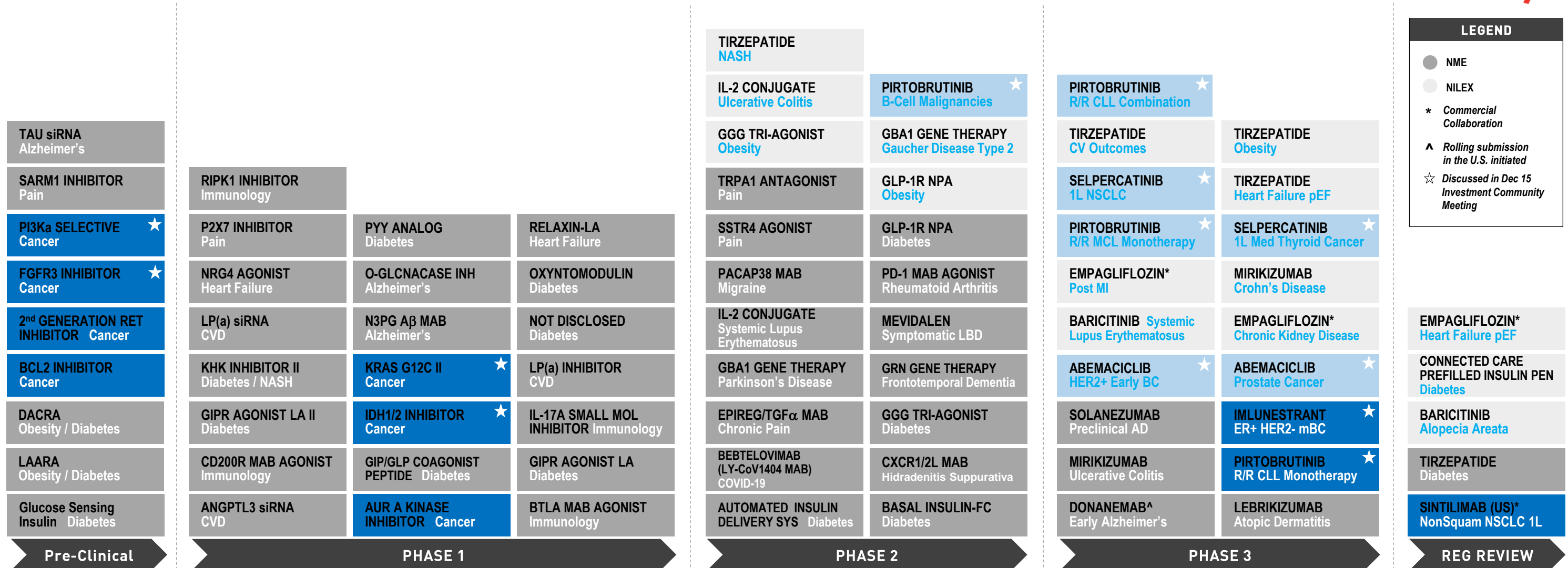
- Collaboration for novel oncology targets using proprietary gene traffic control platform and structural biology insights
- Establishes co-development and co-commercialization agreement on selective BRM program and an additional undisclosed program
- Includes three additional discovery programs

BRM = Brahma

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LILLY ONCOLOGY PIPELINE

SELECT NME AND NILEX PIPELINE AS OF OCTOBER 22, 2021



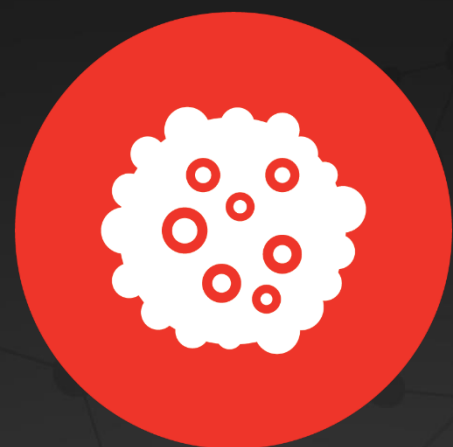
LEGEND

- NME
- NILEX
- * Commercial Collaboration
- ▲ Rolling submission in the U.S. initiated
- ☆ Discussed in Dec 15 Investment Community Meeting

Note: select pre-clinical assets listed, most of which were discussed at the Lilly Investment Community meeting on December 15, 2021; NME = new molecular entity; NILEX = new indication or line extension

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ONCOLOGY SUMMARY



- Our oncology portfolio is anchored by important medicines including Verzenio, Retevmo and pirtobrutinib which have the potential to deliver meaningful growth over the course of the decade
- Mid-stage portfolio, including IDH 1/2, KRAS G12C, and imlunestrant are poised to deliver new data and potential new trial starts in 2022
- Next year, we expect to initiate human trials for two new assets, LOXO-783 and LOXO-435, that each highlight a core of our philosophy of impacting outcomes through improved target coverage



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