

Company Overview May 2021



Leap Therapeutics | Forward Looking Statements

This presentation contains forward-looking statements that involve substantial risks and uncertainties. All statements, other than statements of historical facts, contained in this presentation, including statements regarding our strategy, future operations, future financial position, future revenues, projected costs, prospects, plans and objectives of management, are forward-looking statements. The words "anticipate," "believe," "estimate," "expect," "intend," "may," "plan," "predict," "project," "target," "potential," "will," "would," "could," "should," "continue," and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words.

Forward-looking statements are neither historical facts nor assurances of future performance. Instead, they are based only on our current beliefs, expectations and assumptions regarding the future of our business, future plans and strategies, projections, anticipated events and trends, the economy and other future conditions. Because forward-looking statements relate to the future, they are subject to inherent uncertainties, risks and changes in circumstances that are difficult to predict and many of which are outside of our control. We may not actually achieve the plans, intentions or expectations disclosed in our forward-looking statements, and you should not place undue reliance on our forward-looking statements. Actual results or events could differ materially from the plans, intentions and expectations disclosed in the forward-looking statements we make. We assume no obligation to update any forward-looking statements, except as required by applicable law.



Leap Highlights

Oncology drug development company focused on DKN-01, anti-DKK1 antibody

STRATEGIC PARTNERSHIP & INVESTORS



Rights in Asia (excluding Japan), Australia, and New Zealand

\$132 million in potential milestones plus royalties

Combinations with tislelizumab

STRONG CLINICAL DATA



Esophagogastric Cancer

Monotherapy, paclitaxel and PD-1 combination responses

PD-1 Combination: 50% ORR, 5.1 months PFS in DKK1-high 2L+ patients



Endometrial Cancer

Monotherapy CR

Monotherapy: 14% ORR, 3.0 months PFS in DKK1-high 2L+ patients

NEAR-TERM MILESTONES



Gastric/GEJ Cancer

DKN-01 + tislelizumab +/- chemo

- First Line Fully Enrolled
- Second Line DKK1-high Recruiting
- Initial Data Q3 2021



Prostate

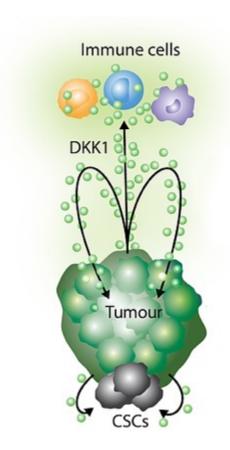


DKN-01 +/- docetaxel

Investigator Sponsored Study Recruiting



DKK1 in Cancer



- Overexpression of DKK1 linked to poor prognosis
- Tumor cells secrete DKK1 promoting proliferation, metastasis and angiogenesis
- DKK1 suppresses anti-tumor immune responses
- Neutralizing DKK1 activates an innate immune response in oncology models



DKN-01

Esophagogastric Cancer Development

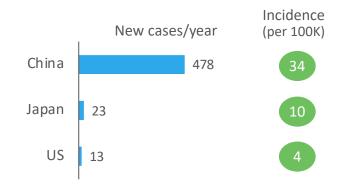


Esophagogastric Cancer is an Unmet Medical Need

Esophageal Cancer

477,900 New cases per year **375,000** Deaths per year

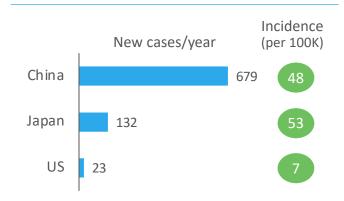
High incidence of esophageal cancer in China Incidence of gastric cancer in China vs. US/Japan



Gastric Cancer

679,100 New cases per year **498,000** Deaths per year

High incidence of gastric cancer in Eastern/Asia Incidence of gastric cancer in China vs. US/Japan

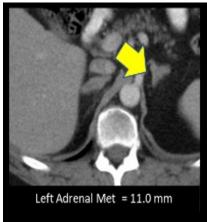




DKN-01 Single-Agent Activity in Heavily Pretreated Esophagogastric Cancer Patients

On Study 1 Year, Reduction -33.9% Failed Prior anti-PD-L1 + IDOi





Baseline 4-month scan

Best Overall Response of 20 Evaluable Patients*

Partial Response	2
Stable Disease	6
Progressive Disease	12



PD-1 Monotherapy in Esophagogastric Cancer Patients

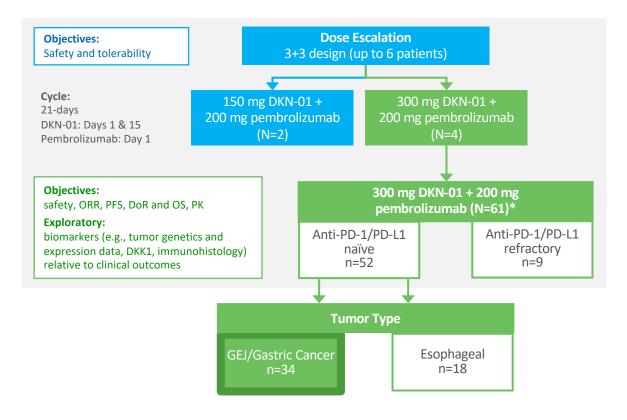
	Secon	Third Line +		
	KN-181 Pembro mono (EA+ESCC)	KN-061 Pembro mono (GEJ/GC)	KN-059 Pembro mono (GEJ/GC)	
N	314	296	259	
ORR (%)	13.1	11.1	11.6	
ORR in MSS Pts (%)	NR	9.3	9.0	
PFS months (95% CI)	2.1 (2.1, 2.2)	1.5 (1.4, 1.6)	2.0 (2.0, 2.1)	
OS months (95% CI)	7.1 (6.2, 8.1)	6.7 (5.4, 8.9)	5.6 (4.3, 6.9)	

Response Rates and Median Progression-Free Survival Remain Low



KEYNOTE-731 Study Flow Diagram

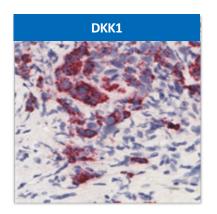
Esophagogastric Cancer – DKN-01 Plus Pembrolizumab

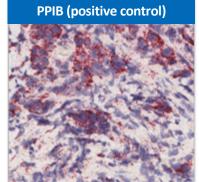


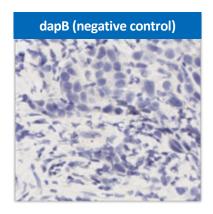


DKK1 RNAscope Tumor Biopsy Images

Patient with a partial response: DKK1 H-score = 163

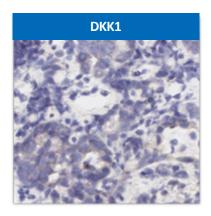


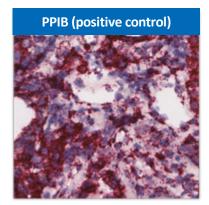


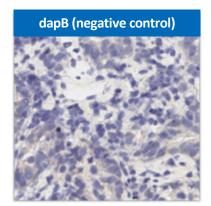


Patient with progressive disease:

DKK1 H-score = 7





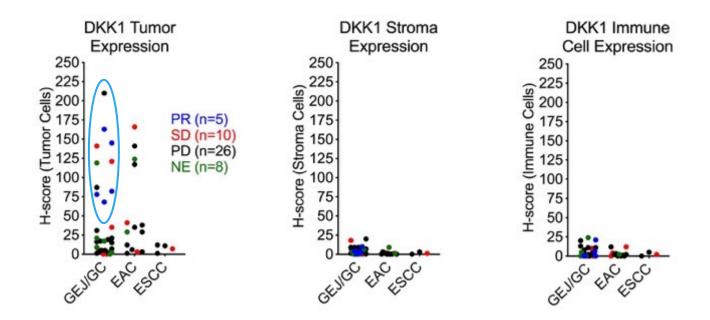




DKK1 Tumor Expression

Anti-PD-1/PD-L1 Naïve Esophagogastric Cancer

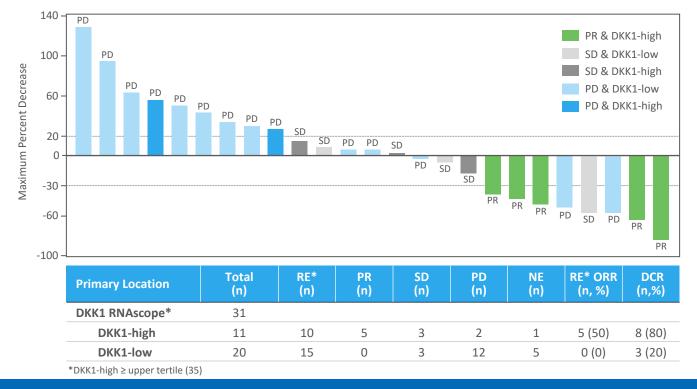
- Responding GEJ/GC patients have elevated levels of DKK1
- DKK1 is expressed in tumor cells





Better and More Durable Responses for DKK1-high Patients

Anti-PD-1/PD-L1 Naïve GEJ/GC Subgroup

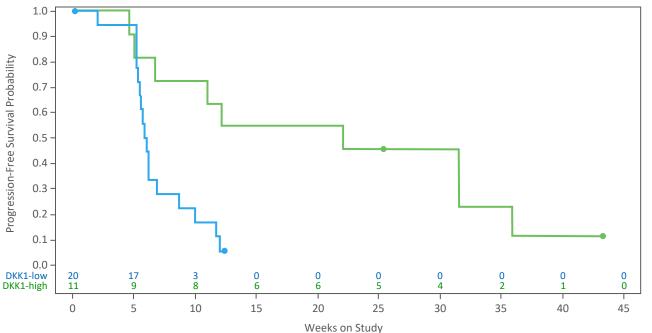


DKK1-high had an ORR of 50% (5 PR/10) and DCR of 80% (8/10)



Longer PFS for DKK1-high Patients

Anti-PD-1/PD-L1 Naïve GEJ/GC Subgroup



	Median (95% CI)
DKK1-high	22.1 (5.0, 35.9)
DKK1-low	5.9 (5.3, 6.9)

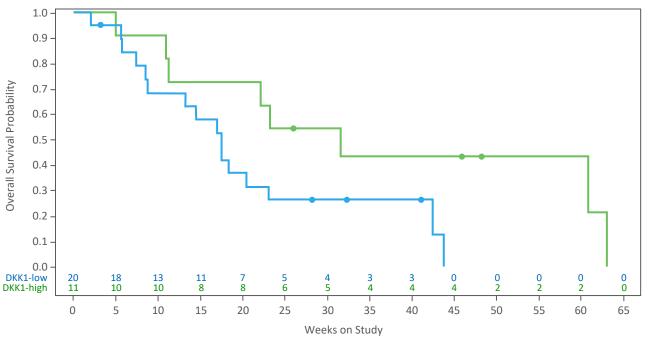
^{*}DKK1-high ≥ upper tertile 35

Median PFS longer in DKK1-high (22.1 weeks) vs. DKK1-low (5.9 weeks) patients



Longer OS for DKK1-high Patients

Anti-PD-1/PD-L1 Naïve GEJ/GC Subgroup



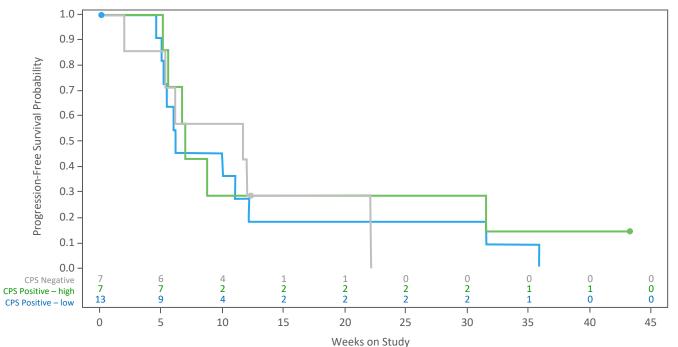
	Median (95% CI)
DKK1-high	31.6 (11.0, 63.0)
DKK1-low	17.4 (8.6, 23.1)

^{*}DKK1-high ≥ upper tertile 35

Median OS longer in DKK1-high (31.6 weeks) vs. DKK1-low (17.4 weeks) patients



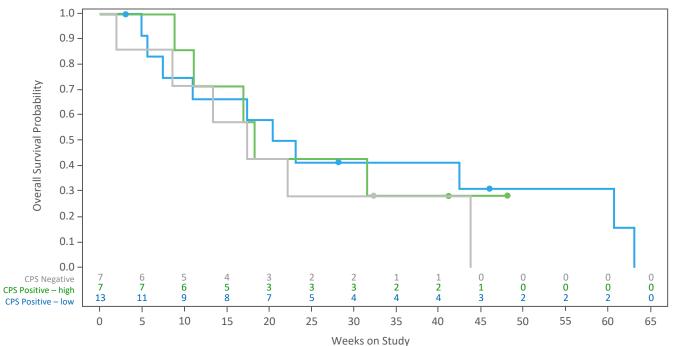
PD-L1 CPS Scores Not Associated with PFS



	Median (95% CI)
CPS Negative	11.7 (2.0, 22.1)
CPS Positive –	6.1
low	(5.0, 12.1)
CPS Positive –	6.9
high	(5.1, 31.6)



PD-L1 CPS Scores Not Associated with OS

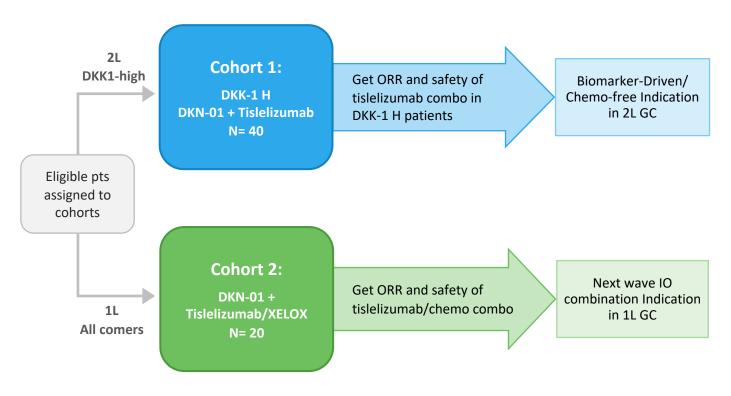


	Median (95% CI)
CPS Negative	17.4 (2.0, 43.7)
CPS Positive – low	21.8 (5.6, 60.9)
CPS Positive –	18.3 (8.7, NA)



Study Design in Patients with Advanced Gastric/GEJ Adenocarcinoma

Assess the Safety and Anti-tumor Activity of DKN-01 in Combination with Tislelizumab +/- Chemo







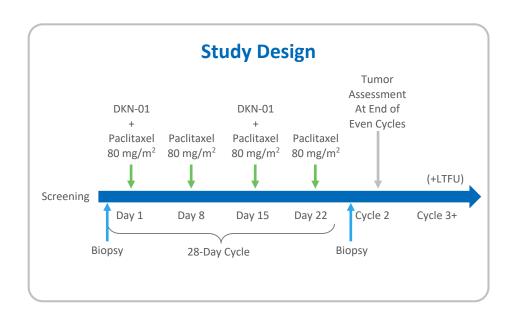
PD-1 Antibodies + Chemo in First-Line HER2- GEJ/Gastric Cancer Patients

	nivol	nivolumab		pembrolizumab
	Checkmate-649 (All)	Checkmate-649 (CPS ≥ 5)	(AII)	Keynote-062 (CPS ≥ 1)
N	789	473	15	257
ORR (%)	47	50	46.7	48.6
(95% CI)	(43, 50)	(46, 55)	(21.3, 73.4)	(42.4, 54.9)
DOR months	8.5	9.5	NR	6.8
(95% CI)	(7.2, 9.9)	(8.1, 11.9)		(5.5, 8.3)
PFS months	7.7	7.7	6.11	6.9
(95% CI)	(7.1, 8.5)	(7.0, 9.2)	(3.8, NE)	(5.7, 7.3)
OS months	13.8	14.4	NR	12.5
(95% CI)	(12.6, 14.6)	(13.1, 16.2)		(10.8, 13.9)

ORR Benchmarks: 46.7% - 50%



DKN-01 Plus Paclitaxel Esophagogastric Study Design

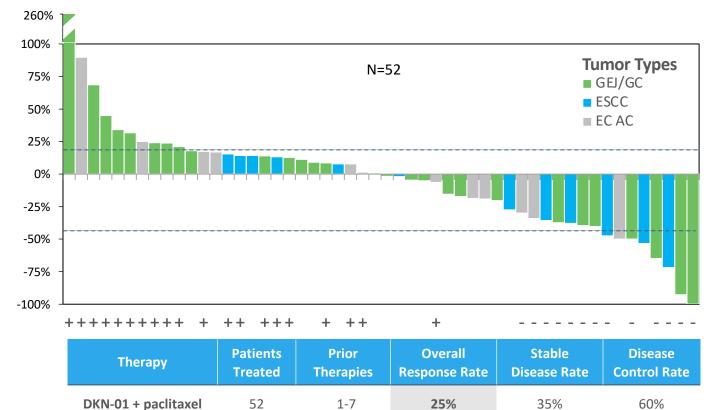


	DKN-01 150 mg + pac N=3	DKN-01 300 mg + pac N=56
Age (median, range)	56 (47, 73)	62.5 (34, 82)
Male (n, %)	3 (100)	43 (76.8)
White	3 (100)	48 (85.7)
Type of Cancer (n, %)		
Esophageal Squamous	-	13 (23.2)
Esophageal AC	1 (33.3)	12 (21.4)
GEJ AC	2 (66.7)	29 (51.8)
Gastric	-	2 (3.6)
Prior Therapy (median, range)	4 (2, 7)	2 (1, 6)
Taxane (n, %)	3 (100)	27 (48.2)
Ramucirumab (n, %)	1 (33.3)	7 (12.5)



Clinical Activity of DKN-01 Plus Paclitaxel

Evaluable Esophagogastric Patients by Tumor Location

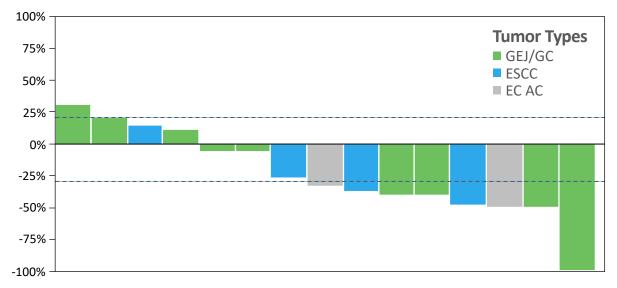


25%

35%



DKN-01 Plus Paclitaxel Exceeds Benchmarks in Second-Line Esophagogastric Cancer



2nd Line	Study	n	ORR (%)	DCR (%)	PFS (months)	OS (months)
DKN-01 + pac		15	46.7%	73.3%	4.5	14.1
Ram + pac	RAINBOW	330	28%	80%	4.4	9.6
Pac	RAINBOW	335	16%	64%	2.9	7.4
Chemo	KN-181	314	6.7%	-	3.4	7.1



DKN-01

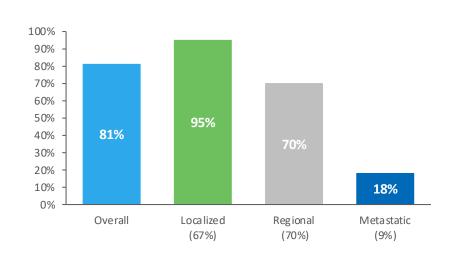
Gynecologic Cancer Development



Endometrial Cancer

- Most common gynecological cancer in the western world
- ~62,000 annual cases in the United
 States and the incidence is increasing
- Fourth most common cancer in women in the United States
- Clinical risk factors include estrogenonly hormone replacement, obesity, chronic anovulation, tamoxifen therapy, nulliparity, early menarche, and late menopause

5-Year Overall and Relative Survival





Single Agent Activity in Endometrial Cancer

Class	Drug name	ORR (%)	DCR (%)	mPFS (mos)
Anti-PD(L)-1: MSS/refractory PD-L1+	pembrolizumab	13	26	1.8
	dostarlimab	20	-	-
	durvalumab	6	-	-
	avelumab	3	-	-
Anti-angiogenic	bevacizumab	13.5	63.5	4.2
	lenvatinib	14.3	-	5.4
mTOR	everolimus	9	36	2.8



Pembrolizumab + Lenvatinib in Endometrial Cancer





Most common AE's with LENVIMA + KEYTRUDA treated patients: hypertension (64.0%), hypothyroidism (57.4%), diarrhea (54.2%), nausea (49.5%), decreased appetite (44.8%), vomiting (36.7%), weight decrease (34.0%), fatigue (33.0%), arthralgia (30.5%), proteinuria (28.8%), anemia (26.1%), constipation (25.9%) and urinary tract infection (25.6%).



Including gastrointestinal disorders: 1.2%, cardiac disorders: 0.5%, general disorders: 1.5%, infections: 0.7%, decreased appetite: 0.2%, neoplasms, nervous system, psychiatric, renal, reproductive, or respiratory disorders: 0.2% each



LENVIMA

DISCONTINUATION1

KEYTRUDA discontinuation 19%^{1,2}: Most common AE's leading to discontinuation of KEYTRUDA: adrenal insufficiency, colitis, pancreatitis and muscular weakness (2% each).

AE's leading to interruption of KEYTRUDA (49%)²: fatigue (14%), diarrhea, and decreased appetite (6% each), rash (5%), renal impairment, vomiting, increased lipase, decreased weight (4% each), nausea, increased blood alkaline phosphatase, and skin ulcer (3% each), adrenal insufficiency, increased amylase, hypocalcemia, hypomagnesemia, hyponatremia, peripheral edema, musculoskeletal pain, pancreatitis, and syncope (2% each).

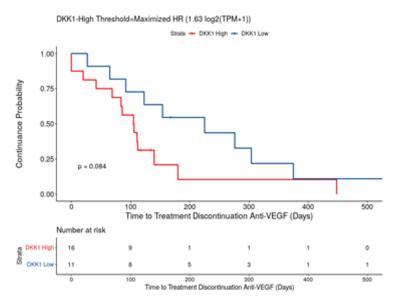
AE's leading to reduction or interruption of LENVIMA (88%)²: fatigue (32%), hypertension (26%), diarrhea (18%), nausea, palmar-plantar erythrodysesthesia, vomiting (13% each), decreased appetite (12%), musculoskeletal pain (11%), stomatitis (9%), abdominal pain, hemorrhages (7% each), renal impairment, decreased weight (6% each), rash, headache, increased lipase, and proteinuria (5% each).

AGENT	POPULATION	n	ORR	CR	PR	SD	mPFS
Len + Pembro	Post platinum-based therapy, all- comers (dMMR + pMMR)	411	31.9%	6.6%	25.3%	47.0%	7.2 months
KN-775	Post platinum-based therapy, pMMR	346	30.3%	5.2%	25.1%	48.6%	6.6 months

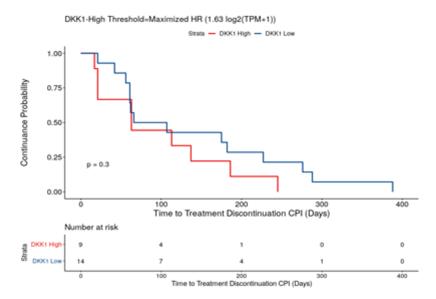


High DKK1 Is Associated with Poor Response to anti-VEGF and anti-PD-(L)1 in Endometrioid Endometrial Cancer Patients





PD-(L)1 treatment



TEMPUS



DKN-01 Phase 2 Study Design

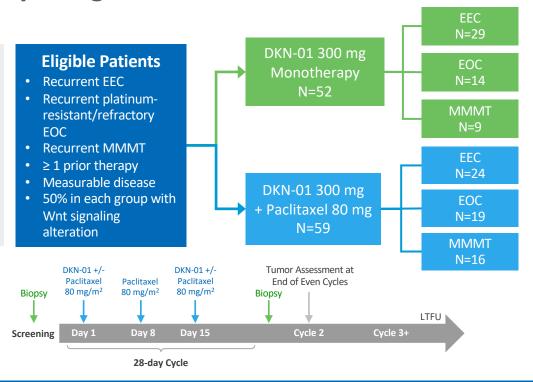
Primary objective:

Objective response rate (ORR)

Secondary objectives:

Exploring genetic mutations in the Wnt signaling pathway and tumoral DKK1 expression as predictive biomarkers

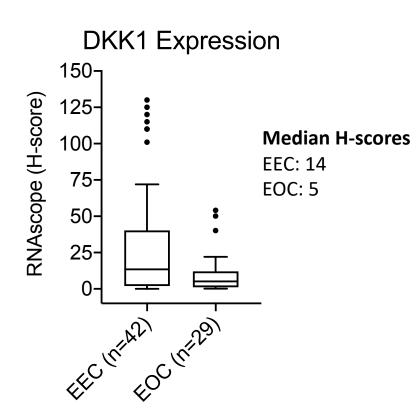
Data as of 28 Sep 2020. EEC: epithelial endometrial cancer; EOC: epithelial ovarian cancer; MMMT: carcinosarcoma (malignant mixed Mullerian tumor)

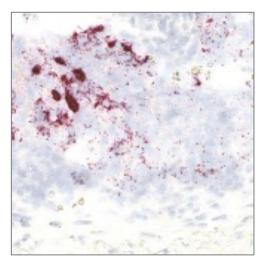


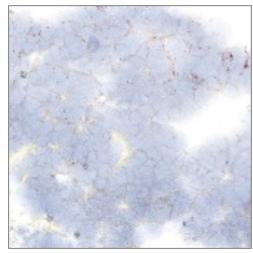
Basket study evaluating DKN-01 as monotherapy or in combination with paclitaxel in advanced gynecologic malignancies



Endometrial Cancer Patients have Higher DKK1 Expression than Ovarian Cancer Patients





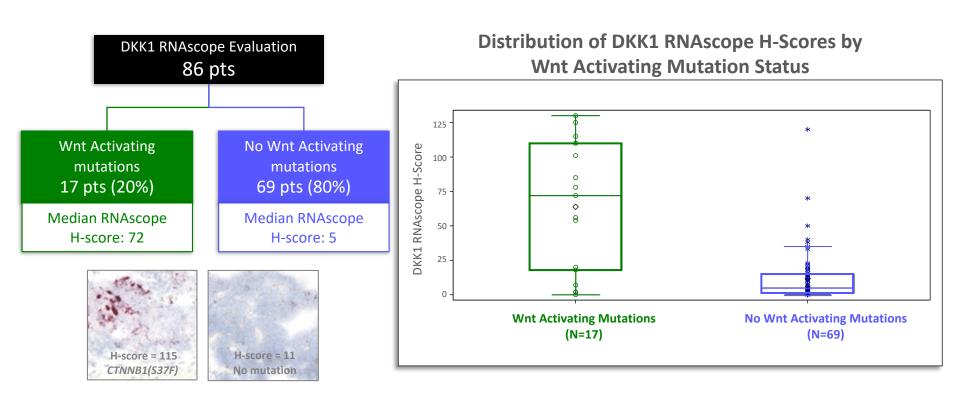


H-score = 115 *CTNNB1(S37F)*

H-score = 11 No mutation



DKK1 High Expression Is Associated with Wnt Activating Mutations



Tumors with Wnt Activating Mutations have 14.4 times higher DKK1 expression



DKN-01 Was Well Tolerated as Monotherapy and in Combination with Paclitaxel

- Related SAEs:
 - DKN-01 monotherapy: 5.8%
 - DKN-01 + paclitaxel combination: 6.8%
- No TEAEs which led to death

Most Common DKN-01 Related TEAEs

Monotherapy:

- Nausea (28.8%)
- Fatigue (26.7%)
- Constipation (11.5%)

Combination therapy:

- Fatigue (30.5%)
- Anemia (27.1%)
- Diarrhoea (23.7%)
- Nausea (16.9%)
- Neutropenia (11.9%)

DKN-01 Related TESAEs

Monotherapy:

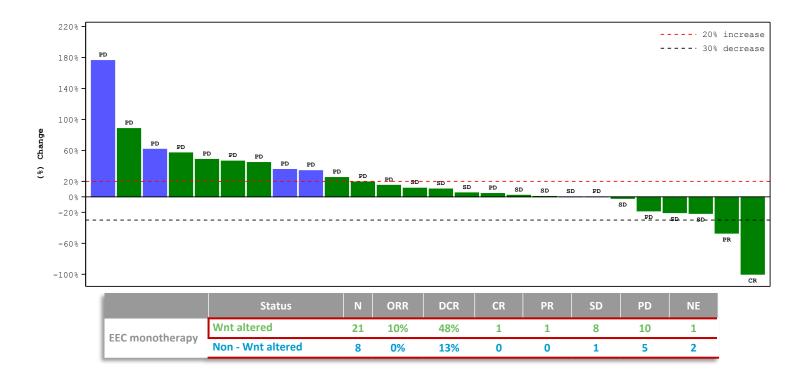
- Acute kidney injury (1.9%)
- Dyspnoea (1.9%)
- Nausea (1.9%)
- Oedema peripheral (1.9%)

Combination therapy:

- Anemia (1.7%)
- Colitis (1.7%)
- Hypokalemia (1.7%)
- Paresthesia (1.7%)



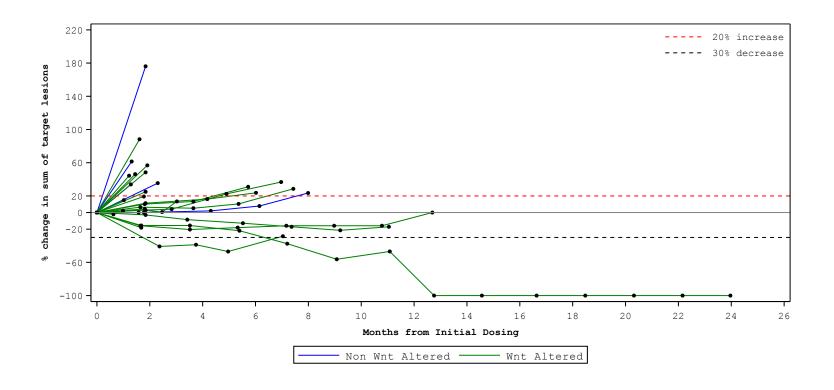
DKN-01 Monotherapy - Endometrial Cancer Overall Response



1 CR, 1 PR (ORR 10%) and 8 SD (50% DCR) vs. 1 SD (DCR 16.7%)



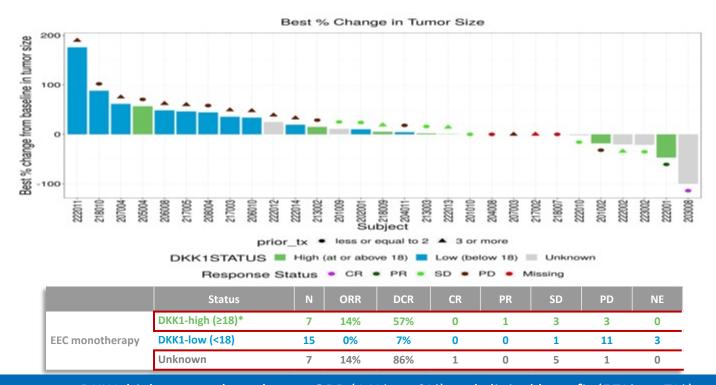
DKN-01 Monotherapy - Endometrial Cancer Durable Clinical Benefit







DKN-01 Monotherapy - Overall Response by DKK1 Tumoral Expression

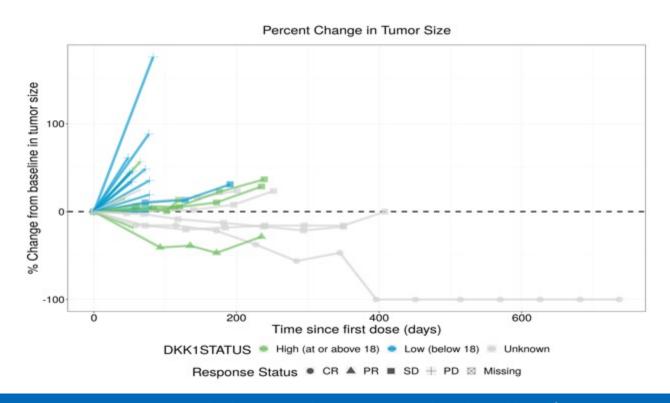


DKK1-high tumors have better ORR (14% vs. 0%) and clinical benefit (57% vs. 7%)

Patients with unknown DKK1 expression include CR, 86% DCR, and 3 patients with durable SD and Wnt activating mutations



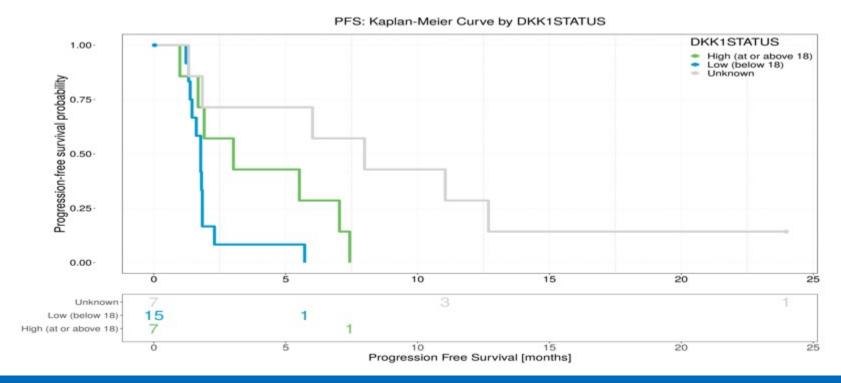
DKN-01 Monotherapy - Durable Clinical Benefit in DKK1-high Tumors



DKK1-high patients have more durable clinical benefit



DKN-01 Monotherapy - Improved PFS with High Tumoral DKK1 Expression

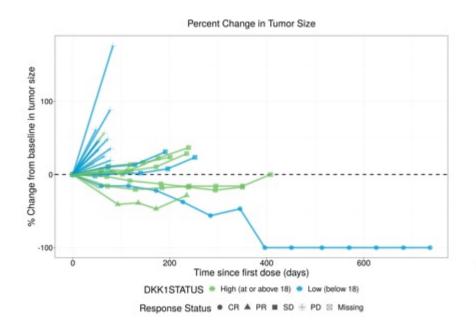


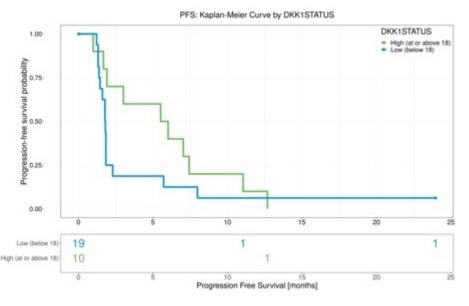
DKK1-high patients have longer PFS (3.0 vs. 1.8 months [HR 0.39; 95 CI: 014, 1.1])



DKN-01 Monotherapy Sensitivity Analysis

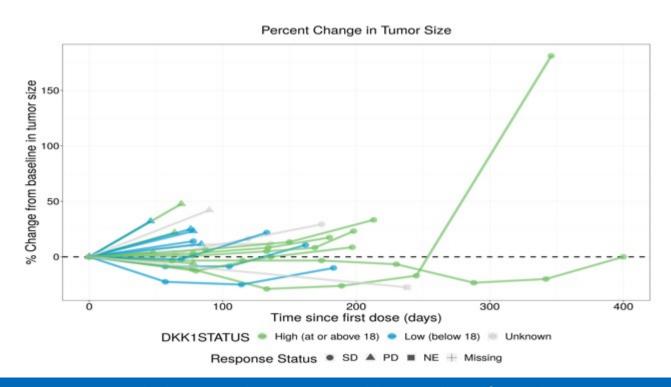
- Sensitivity analysis reflecting 3 patients with known Wnt activating mutations considered to be DKK1-high
- Strengthens PFS compared to DKK1 low to 5.8 mos vs 1.8 mos (HR 0.565, 95% CI: 0.25, 1.28)







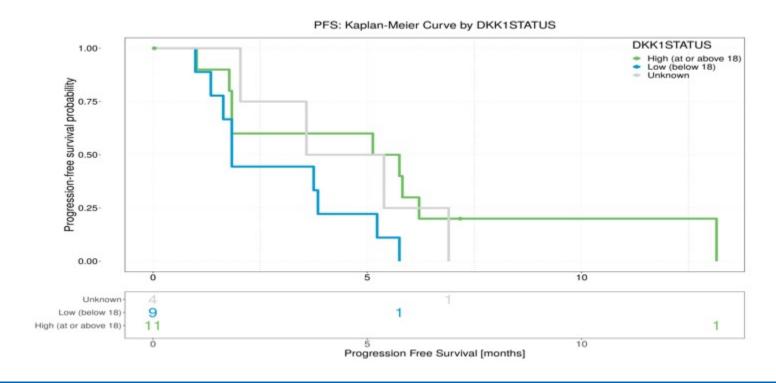
DKN-01 + Paclitaxel - Durable Clinical Benefit with High DKK1 Tumoral Expression



DKK1-high patients have more durable clinical benefit and longer PFS



DKN-01 + Paclitaxel - Improved PFS with High Tumoral DKK1 Expression



DKK1-high patients have longer PFS (5.4 vs. 1.8 months [HR 0.34; 95 CI: 0.12, 0.97])



Corporate Strategy



Leap-BeiGene Strategic Partnership





DKN-01 DEVELOPMENT

Option and License Agreement

Upfront Payment

\$8M

Option Fee

Equity Investment

\$3M \$5M > \$10M

Option exercise fee

Based on data from DKN-01 plus tislelizumab combination studies in gastric cancer



Asia (excluding Japan), Australia, and New Zealand

\$132M

Total Option Exercise, Clinical, Regulatory, and Commercial Milestones



Royalties

High-single digit to mid-teen double digits



Management Team



Christopher Mirabelli, PhD Chairman of the Board









Douglas Onsi

President & Chief Executive Officer









Gus Lawlor

Chief Operating Officer







Cyndi Sirard, MD

Chief Medical Officer









Mark O'Mahony

Chief Manufacturing Officer









Walter Newman, PhD

Senior Research Fellow









Jason Baum, PhD

Vice President, Head of Translational Medicine



b NOVARTIS





Christine Granfield

Vice President, Head of Regulatory Affairs and Quality U NOVARTIS







Leap 2021 Objectives and Milestones

DKN-01 + tislelizumab gastric



DKN-01 ± paclitaxel gynecologic

DKN-01 ± docetaxel prostate



