December 2021

NASDAQ: IDYA

IDEAYA Biosciences

Improving Lives Through Transformative Precision Medicines



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Certain statements in this presentation and the accompanying oral commentary are forward-looking statements. These statements relate to future events or the future financial performance of IDEAYA Biosciences, Inc. (the "Company") and involve known and unknown risks, uncertainties and other factors that may cause the actual results, levels of activity, performance or achievements of the Company or its industry to be materially different from those expressed or implied by any forward-looking statements. In some cases, forward-looking statements can be identified by terminology such as "may," "will," "could," "would," "should," "expect," "plan," "anticipate," "intend," "believe," "estimate," "predict," "potential" or other comparable terminology. All statements other than statements of historical fact could be deemed forward-looking, including any expectations regarding the Company's target discovery platform or new target validation efforts as creating opportunities for research and development initiatives; any projections of financial information, market opportunities, cash runway or profitability; any statements about historical results that may suggest trends for the Company's business; any statements of the plans, strategies, and objectives of management for development programs or future operations; any statements about the timing of preclinical research, clinical development, regulatory filings, manufacturing or release of data; any statements of expectation or belief regarding future events, potential markets or market size, technology developments, or receipt of cash milestones, option exercise fees or royalties; and any statements of assumptions underlying any of the items mentioned. The Company has based these forward-looking statements on its current expectations, assumptions, estimates and projections. While the Company believes these expectations, assumptions, estimates and projections are reasonable, such forward-looking statements are only predictions and involve known and unknown risks and uncertainties, many of which are beyond the Company's control. These and other important factors may cause actual results, performance or achievements to differ materially from those expressed or implied by these forwardlooking statements. The forward-looking statements in this presentation are made only as of the date hereof. For a further description of the risks and uncertainties that could cause actual results to differ from those expressed in these forward-looking statements, as well as risks relating to the business of the Company in general, see the Company's periodic filings with the Securities and Exchange Commission (the "SEC"), including its Quarterly Report on Form 10Q for the guarter ended September 30, 2021, and any current and periodic reports filed thereafter. Except as required by law, the Company assumes no obligation and does not intend to update these forward-looking statements or to conform these statements to actual results or to changes in the Company's expectations.

This presentation concerns anticipated products that are under clinical investigation and which have not yet been approved for marketing by the U.S. Food and Drug Administration (FDA). It is currently limited by Federal law to investigational use, and no representation is made as to its safety or effectiveness for the purposes for which it is being investigated.



IDEAYA Biosciences Highlights

Leading Synthetic Lethality (SL) focused biotechnology company advancing transformative precision medicine therapies for cancer patients

- Broad Pipeline for Key Emerging Targets including clinical stage IDE397 (MAT2A) and darovasertib (PKC), and development candidate selection for PARG and Pol Theta
- **Pharma Collaborations** with GSK (over ~\$3 billion in potential milestones) and Pfizer
- Strong Balance Sheet with ~\$386 M in cash anticipated to fund operations into 2025^{1, 2}
- NASDAQ: IDYA

• Target Catalysts

- IDE397 Phase 1
 - Cohort Expansions (H1 2022)
 - GSK Option Package & Clinical Data Update (H1 2022)
- PARG Development Candidate Lead Nominated
- Pol Theta Development Candidate (December 2021)
- Darovasertib (IDE196) Phase 1/2
 - Clinical Update on mPFS for Daro + Crizotinib (H1 2022)
 - Regulatory Guidance for Daro + Crizotinib (H1 2022)



⁽¹⁾ IDEAYA Form 10Q and Q2 2021 Financials filed with the U.S. Securities and Exchange Commission on November 15, 2021

⁽²⁾ Includes cash, cash equivalents and marketable securities as of September 30, 2021

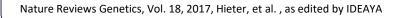
Synthetic Lethality

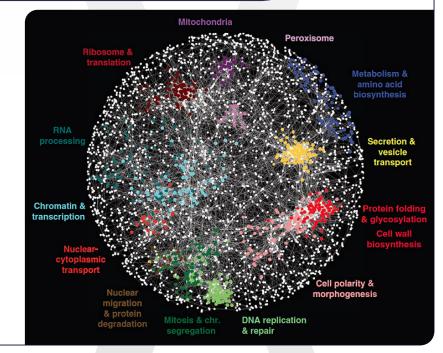
The Next Frontier in Precision Medicine Oncology

Synthetic Lethality provides a powerful approach to discover novel precision medicine therapies with patient biomarkers, including MTAP-deletion (~15% of solid tumors), BRCA/HRD (Breast, Prostate, Ovarian), and high-MSI (15% GI Cancers)

<u>nature</u> <u>REVIEWS</u> <u>GENETICS</u>

- Synthetic lethality occurs when the simultaneous perturbation of two genes results in cell death
- Synthetic lethality provides a novel approach to target several historically undruggable loss of function mutations
- Large-scale screening for synthetic lethal targets has progressed through advances in molecular biology (e.g., RNA interference, CRISPR-Cas9 editing) and bioinformatics





Reference: Charles Boone



IDEAYA's Precision Medicine Oncology Pipeline

Building the Industry Leading Synthetic Lethality Focused Biotechnology Company

	Modality/Indication	Biomarker	Preclinical	IND Enabling	Phase 1	Phase 2	Program Goals	Collaborations	Commercial (IDEAYA)
IDE397 MAT2A	Monotherapy Solid Tumors	MTAP					Cohort Expansion H1 2022 Option Package & Clin Data Update H1 2022	(1)	US 50/50 Profit Share Ex-US Royalties
	Combinations Solid Tumors	MTAP					Preclinical Data to enable Combos (Taxanes, PRMTi, Others)		
PARG	Ovarian, Gastric, Breast Cancers	HRD					Development Candidate Lead Selected	CANCER RESEARCH (2)	WW Commercial Rights
Pol Theta	Small Molecule Protein Degraders	HRD		j			Select Small Molecule Helicase Inhibitor Development Candidate December 2021	gsk (1)	Global Royalties
WRN	GI Cancers	High-MSI					Chemistry Lead Optimization	gsk (1)	US 50/50 Profit Share Ex-US Royalties
MTAP-SL	Solid Tumors	MTAP					Lead Series		WW Commercial Rights
SL Platform	Solid Tumors	Defined Biomarker					Lead Series New Target / Biomarker Validation		WW Commercial Rights
	Monotherapy MUM, UM Adjuvant	GNAQ/11					Expand to UM Adjuvant - IST H1 2022		
Darovasertib PKC	+MEK, +cMET Combos MUM	GNAQ/11					Daro + Crizo mPFS Update H1 2022 Regulatory Guidance H1 2022	Pfizer (3)	WW Commercial Rights
	GNAQ/11 Basket Skin, Mucosal	GNAQ/11					Enhance enrollment of GNAQ/11 Basket		

- (1) Pursuant to GSK Collaboration, Option and License Agreement: MAT2A and WRN: 50/50 US Profits + ex-US Royalties; Pol0: Global Royalties
- (2) Pursuant to CRUK Evaluation, Option and License Agreement, with ongoing Collaborative Research; IDEAYA controls all Commercial Rights

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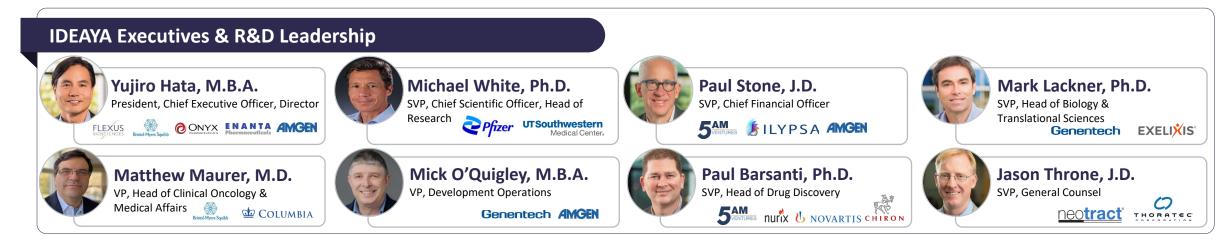
- (3) Pursuant to Pfizer Clinical Trial Collaboration and Supply Agreement for MEK and cMET Combinations; IDEAYA retains all IDE196 Commercial Rights
- MAT2A=methionine adenosyltransferase 2a, MTAP=methylthioadenosine phosphorylase, PARG= poly (ADP-ribose) glycohydrolase, DDT = DNA Damage Target, WRN = Werner Helicase, Pol θ = DNA Polymerase Theta, HRD = homologous recombination deficiency, MSI = microsatellite instability, PKC = protein kinase C, MUM = metastatic uveal melanoma, MEK = binimetinib, cMET = crizotinib, SWS = Sturge Weber Syndrome, PWS = Port Wine Stain, WW = worldwide

= Target Program Milestone



IDEAYA Leadership Team and Scientific Advisory Board

Experienced Team & Scientific Thought Leaders in Precision Medicine Oncology







IDEAYA and GSK Strategic Partnership

Landmark Partnership in Synthetic Lethality



Transformative Strategic Partnership

- Validates IDEAYA Synthetic Lethality platform
- Creates strategic combination opportunities
- Advancing small molecules and protein degraders

Key Partnership Terms

- \$100M cash upfront
- \$20M equity investment as direct private placement
- \$50M option exercise fee for MAT2A
- Over \$3 billion in potential Milestone Payments, including approximately \$1 billion per program
- 50/50 US profit share for MAT2A and Werner Helicase
- 20% cost share allocated to IDEAYA for MAT2A, Werner
- Royalties tiered high single-digit to sub-teen double digit %

MAT2A (MTAP Deletion)

- \$50M Option Fee, 50/50 US Profit Share & ex-US Royalties
- Option Data Package based on Clinical Dose Escalation Data
- ~\$1B potential Milestone Payments
- Evaluating multiple clinical combination opportunities

Werner Helicase (MSI High)

- 50/50 US Profit Share and ex-US Royalties
- ~\$1B potential Milestone Payments
- Potential Combination with GSK's Dostarlimab, a PD-1 IO Agent

Pol Theta (BRCA/HRD)

- GSK covers all Costs
- Global Royalties and ~\$1B potential Milestone Payments
- Potential Combination with GSK's Zejula™, a PARP Inhibitor



IDEAYA Synthetic Lethality Platform

Fully-Integrated Target, Biomarker, Drug Discovery and Translational Capabilities

SL Target & Biomarker Discovery and Validation



Bioinformatics, including AI Algorithms Dual CRISPR, CRISPR, siRNA Genetically Engineered Models

- Key emerging SL targets identified, such as Werner Helicase, Pol Theta and PARG
- DECIPHER[™] Dual CRISPR SL Library in DDR in collaboration with UCSD
- PAGEO[™] Paralogous Gene Evaluation in Ovarian in collaboration with Broad Institute

Drug Discovery and Pharmacological Validation •

- Structure Based Drug Design Small Molecule Chemistry Protein Degrader Capabilities
 - Crystal structures for five SL programs obtained to enable structure-based design
 - Differentiated candidate compounds discovered, including IDE397
 - Protein degraders advancing for selected targets, including Pol Theta

Translational Research and Opportunity Expansion

Genomics – DNA and RNA Analysis Proteomics – Protein Expression Profiling Tissue (IHC, IF) and Liquid Biopsies Analysis

- Translational research to define clinical biomarkers
- Opportunity expansion through broad cell panel screening
- Pharmacodynamic biomarker analysis to confirm target modulation and correlation with clinical activity

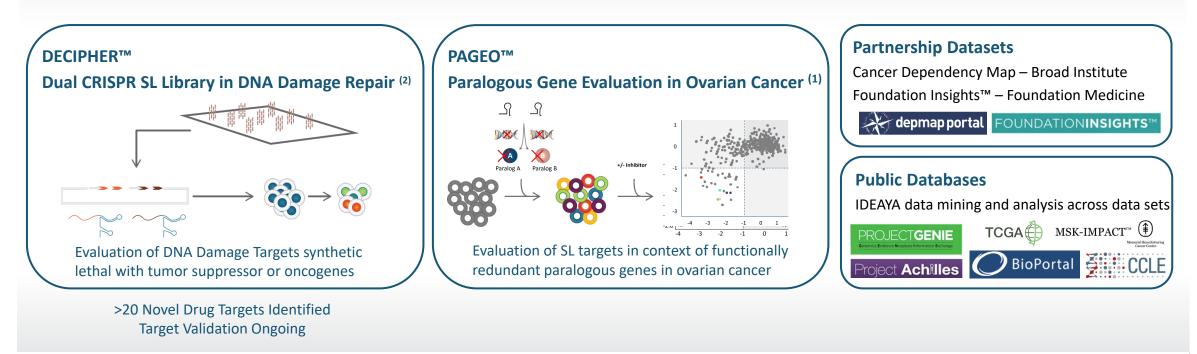


IDEAYA Synthetic Lethality Platform

Synthetic Lethality Target and Biomarker Discovery and Validation

Synthetic Lethality Target Discovery & Validation Platform

IDEAYA SL Platform integrates extensive proprietary and public data sets with orthogonal and complementary content Bioinformatic analysis enables identification and validation of synthetic lethal target / biomarker interactions across vast datasets Robust SL interactions validated genetically (Dual CRISPR, paralogues, isogenic pairs, CRISPR/siRNA), pharmacologically, & *in vivo*





IDEAYA's Synthetic Lethality Pipeline Strategy

Building the Industry Leading Synthetic Lethality Focused Biotechnology Company

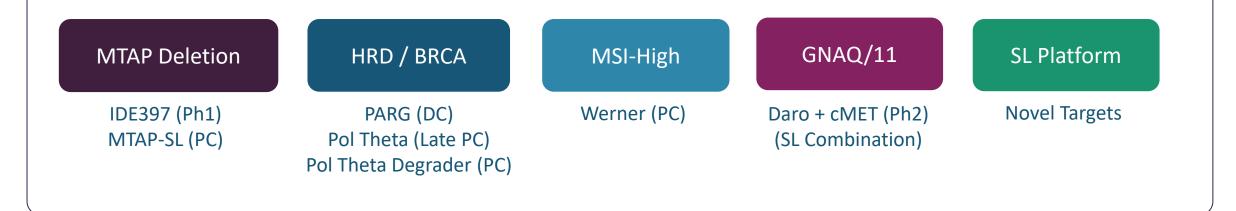
Focus on Potential *First-in-Class* Synthetic Lethality Programs to Deliver Patient Breakthroughs

Patient Impact: Potential First-in-Class / Best-in-Class

Significant Opportunities: Large Target Patient Populations

Precision Medicine: Compelling Patient Selection and Pharmacodynamic Biomarkers

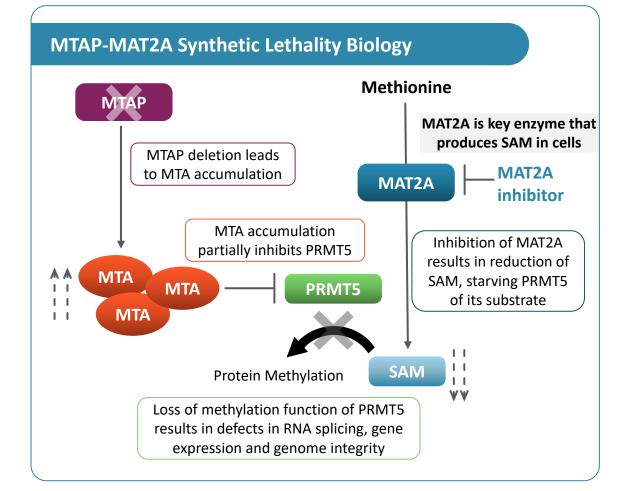
Synthetic Lethality Platform: Deep and rich Target Pipeline with ongoing Target Identification and Validation





MAT2A Inhibition is Synthetic Lethal with MTAP Deletion MTAP Deletion Prevalence ~15% of all Solid Tumors

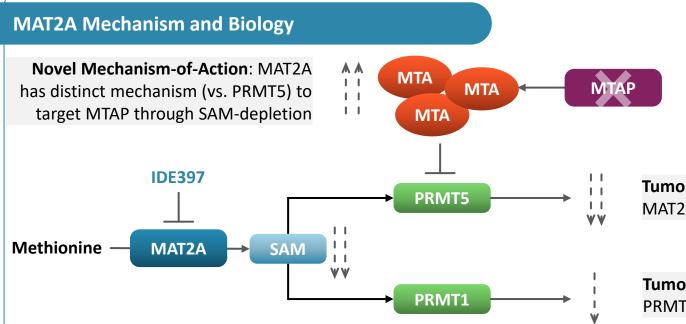




MTAP Deletion Prevalence				
Cancer Type	Ν	MTAP Deletions (%)		
Glioblastoma	592	41		
Mesothelioma	87	32		
Esophageal	95	28		
Bladder	411	26		
Pancreatic	184	22		
Melanoma	448	16		
Lung Cancer (NSCLC)	1053	15		
Head and Neck	523	14		
Sarcoma	255	10		
Esophagogastric	514	10		
Diffuse Glioma	513	9		
Breast	1084	3		
Ovarian	585	3		
Adrenocortical	92	3		
Thymic	123	3		
Hepatocellular	369	3		
Renal non-clear cell	348	2		
Data from The Cancer Genome Atlas in cBioPortal				



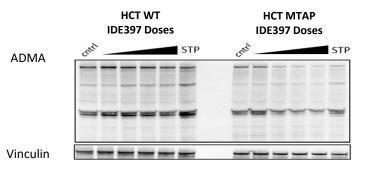
MAT2A Has Novel Mechanism vs PRMT5 to Target MTAP Deletion Through SAM Depletion and Inhibition of a Selective-Essential Gene



Pharmacodynamic Biomarkers: IDE397 reduction of proximal plasma and tumor SAM demonstrates robust target engagement preclinically **MTAP Biomarker**: MAT2A is a Selective Essential Gene in presence of MTAP (vs PRMT5 = Pan Essential Gene), which may enhance Therapeutic Index and Combination Potential vs. PRMT5

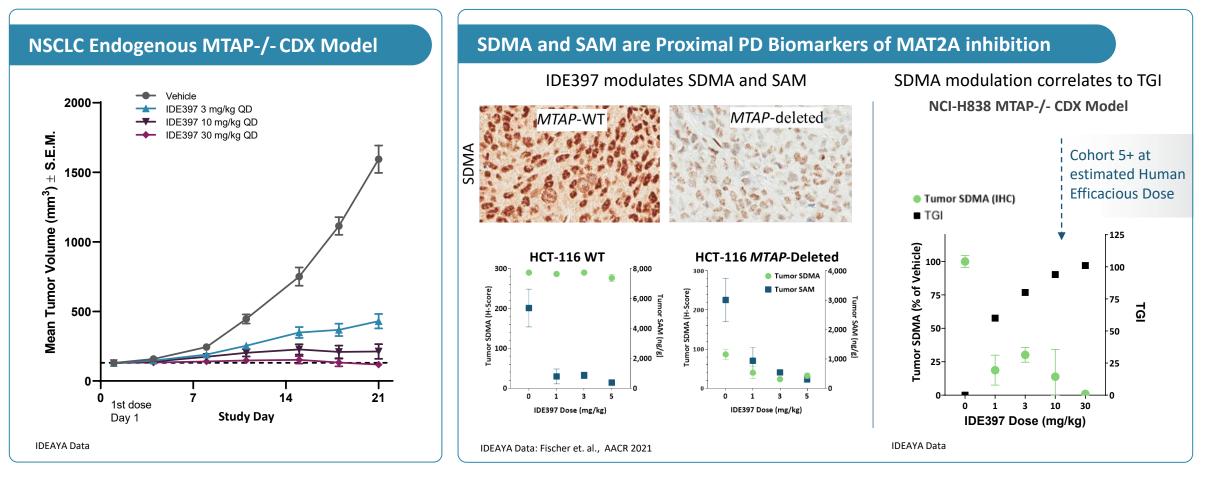
Tumor SDMA: PD biomarkers preclinically correlate with efficacy; MAT2A inhibition shows robust modulation of specific SDMA substrates

Tumor ADMA: downstream PD biomarker reduced in preclinical studies PRMT5 mechanistically not anticipated to reduce ADMA-levels





IDE397 Monotherapy Demonstrates Tumor Regressions and Robust SAM and SDMA Tumor PD Modulation in CDX Xenograft models

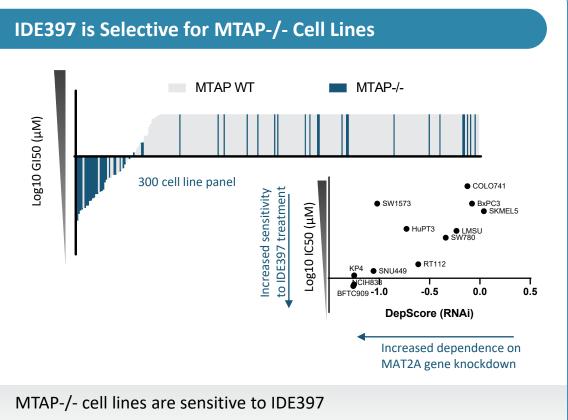


Robust dose-dependent efficacy and PD modulation observed in NSCLC CDX Model



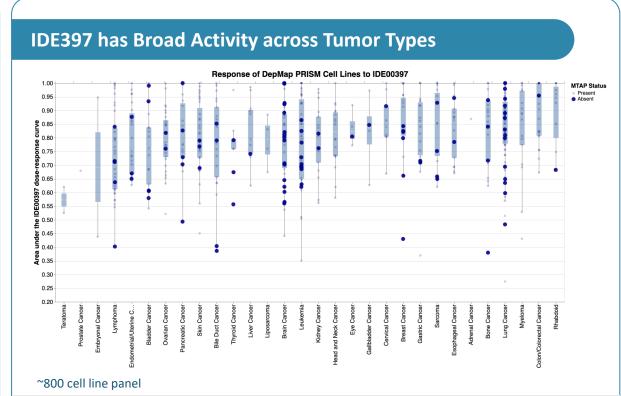
IDE397: MAT2A Development Candidate in vitro Profile

IDE397 is selective for MTAP-/- Cell Lines



MTAP WT cell lines are generally insensitive

Pharmacological inhibition correlates with MAT2A genetic knockdown



Differential sensitivity across tumor types; potential for discovery of additional predictive biomarkers

MTAP gene expression and copy number loss emerge as top predictors of sensitivity across cell lines

IDE397: MAT2A Inhibitor

Preclinical Evaluation of IDE397 – Differentiated Profile and Selective for MTAP-/- Cell Lines

IDE397 Target Product Profile

IDE397 demonstrates superior cellular potency and selectivity compared to AG-270

IDE397 has not caused preclinical liver injury or increased bilirubin

- Not an inhibitor of UGT1A1 (AG-270 noted to inhibit UGT1A1)¹ or BSEP transporters at relevant concentrations
- Liver injury not observed in preclinical tox studies

IDE397 has favorable physical properties, including solubility

AG-270 observed non-linear exposure >200mg QD (GI absorption)

IDE397 demonstrates *in vivo* efficacy and PD modulation at 5 to 30mg/kg

AG-270 published preclinical dose typically 200mg/kg QD¹

 IDE397
 AG-270

 MAT2A biochemical IC₅₀ (nM)
 7
 12

 KP4 EC₅₀ cellular (nM) MAT2A dependent
 15
 731

 BXPC3 cellular EC₅₀ (nM) MAT2A independent
 13200
 1630

Biochemical and *in vitro Potency* and Selectivity

Differentiating ADME/Physicochemical Properties

HuCCT1 cellular EC₅₀ (nM) MAT2A independent

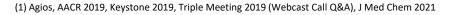
	_	
	IDE397	AG-270
BSEP inhibition @10µM (%)	1	25.2
UGT1A1 inhibition (%)	34	83
PXR Emax @30 μM (%)	9	35
Solubility @pH 7.4 (µM)	>100µM	BLOQ*

IDEAYA Data

*BLOQ = below limit of quantitation

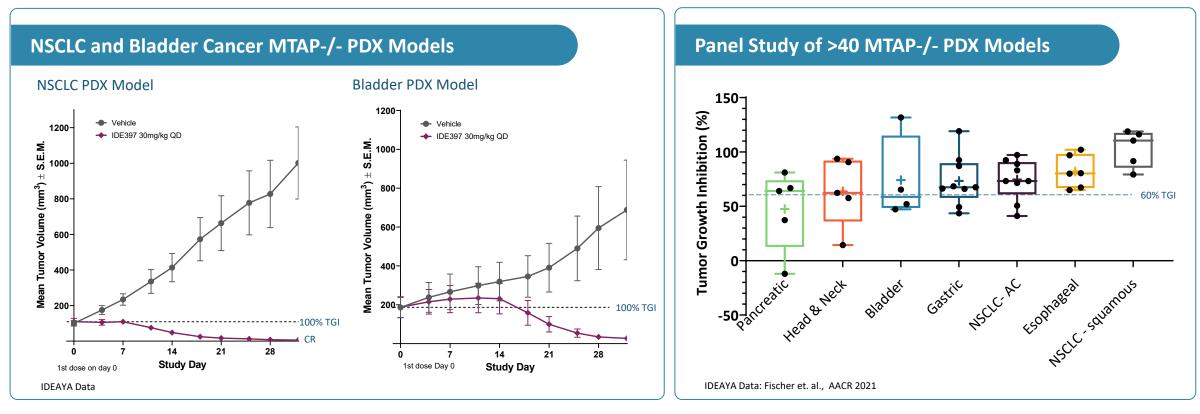
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IDE397: PDX Study of >40 MTAP-/- Models in Multiple Indications

Monotherapy Tumor Regressions & Significant TGI Across Multiple Solid Tumor Types



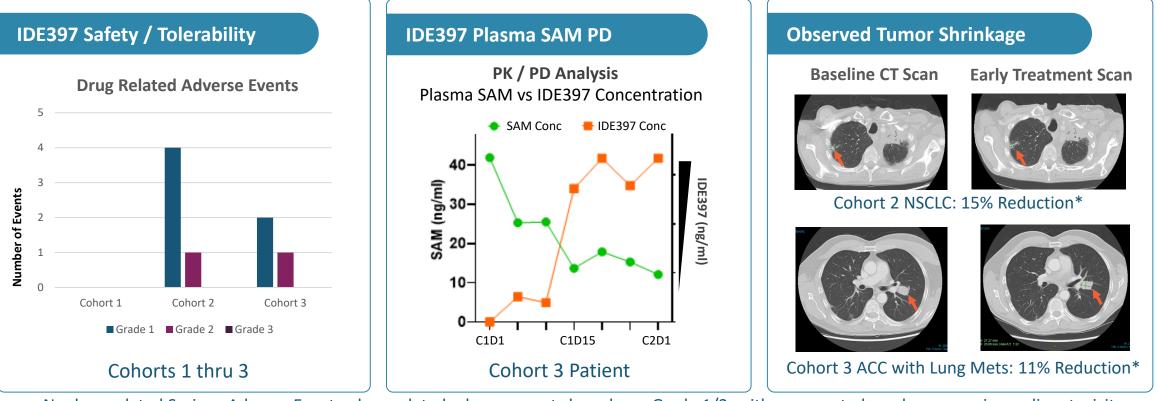
IDE397 evaluation in Patient Derived Xenograft (PDX) models with homozygous MTAP deletions in Solid Tumors

- Tumor Regressions (> 100% TGI) observed in multiple PDX models / indications, including in 3 of 5 NSCLC squamous models, with 1 CR
- Observed > 60% TGI in 12 of 14 NSCLC PDX models, including in 7 of 9 adenocarcinoma and in 5 of 5 squamous carcinoma PDX models



Observed Preliminary IDE397 Clinical Activity and Tolerability

Plasma PD Reduction and Tumor Shrinkage in MTAP Deletion Patients



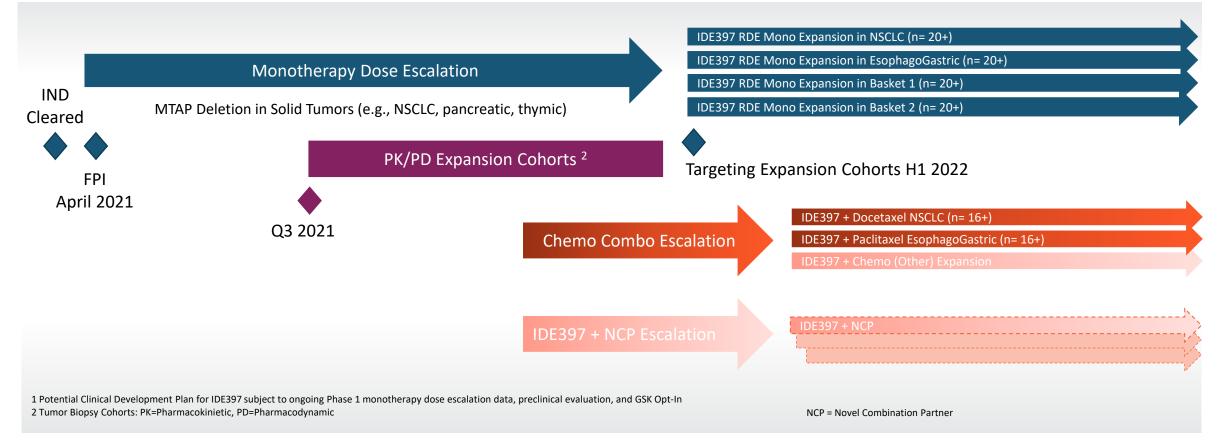
- No drug-related Serious Adverse Events: drug-related adverse events have been Grade 1/2, with no reported myelosuppression or liver toxicity
- Observed plasma SAM PD reduction in early dose escalation Cohorts 1 thru 3, achieving predefined target $\geq 60\%$ plasma SAM suppression
- Observed tumor shrinkage in MTAP-deletion patients in early dose escalation Cohorts 2 and 3
- 80+ year-old Cohort 2 patient with large thymic carcinoma mediastinal remains on treatment after almost 6 months
- Enrolling Cohort 5; Maximum Tolerated Dose (MTD) has not yet been established



IDE397 Phase 1 Clinical Trial

Comprehensive Approach for Concurrent Evaluation of Monotherapy and Combinations

Phase 1 Dose Escalation and Expansion Strategy ¹



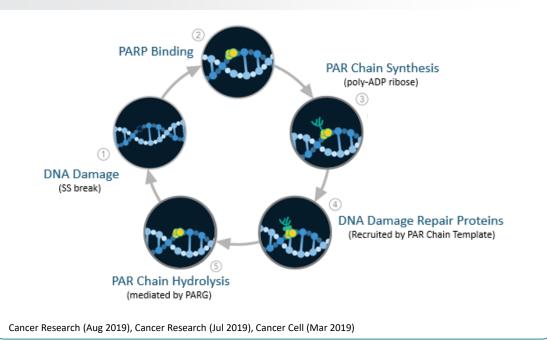
Addressable Patient Population of ~75,000 estimated in US, EU5 and JP across six indications, including NSCLC, head and neck, bladder, gastric, pancreatic and esophageal cancers

PARG Synthetic Lethality Program

Development Candidate Lead Selected

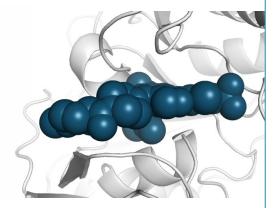
PARG Biology

Novel target in Clinically Validated Pathway Poly(ADP-ribose) glycohydrolase (PARG) regulates DNA repair by hydrolyzing PAR chains in final step of DDR cycle



PARG Drug Discovery Program

Key Emerging Target with lead optimization program guided by structure-based drug design to identify potent, selective candidates



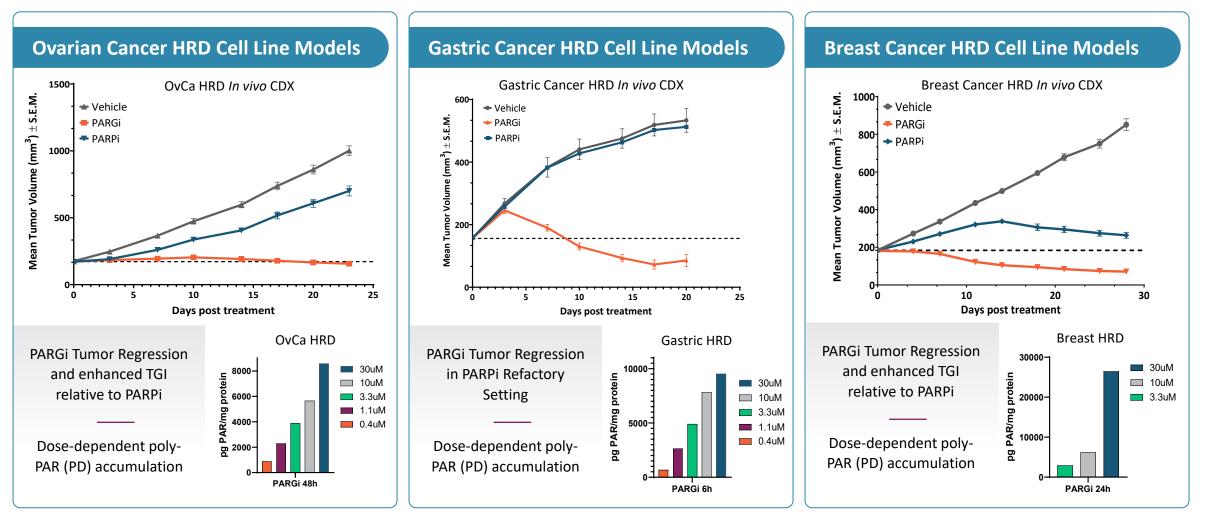
- Multiple potent cellularly active compounds demonstrate in vitro and in vivo PAR accumulation (PD) and in vivo efficacy in defined biomarker setting
- Collaboration with Bill Sellers lab (Broad) established to identify additional genetic sensitizers to PARGi

IDEAYA Data



Biomarker Selected *in vitro* & *in vivo* Models are Sensitive to IDEAYA PARGi

Differentiated Activity to PARP inhibition in Ovarian, Gastric and Breast Cancer Models





Pol Theta

Pol Theta Synthetic Lethality Program Targeting Development Candidate in December 2021



Pol Theta Synthetic Lethality with BRCA/HRD

DNA polymerase theta (Pol Theta) promotes DNA repair by Microhomology-Mediated End-Joining (MMEJ) an error-prone mutagenic DNA repair pathway

MMEJ is active, and Pol Theta is overexpressed, in HRD cancer cells (e.g. BRCA1/2) making Pol Theta a SL target in HRD cancers

PARP1 & Pol Theta are both involved in MMEJ mediated DNA repair supporting a synergistic effect

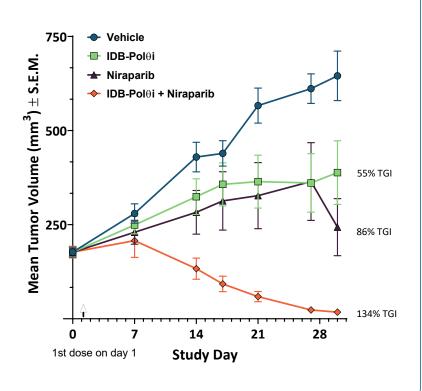
IDEAYA Pol Theta inhibitors show selective cell viability effects in DLD1 BRCA2-/- vs. wildtype cell lines

Advancing both small molecule inhibitors and protein degraders

Pol Theta inhibitor in combination with niraparib demonstrates significant tumor regression in DLD1 BRCA2-/- xenograft model

Pol Theta ATPase inhibitor In Vivo Activity

Regressions observed for all animals dosed within combination study

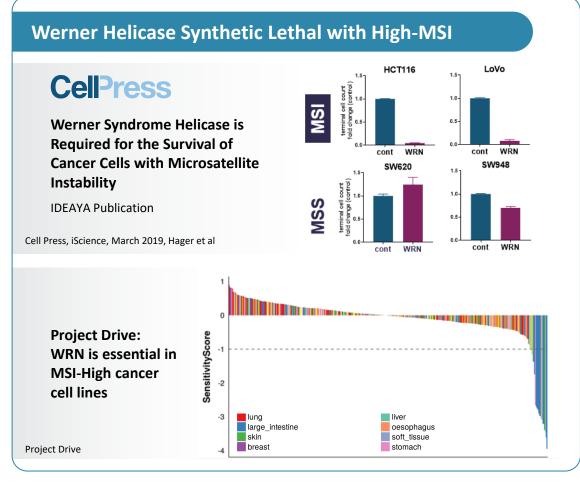


IDEAYA Data



Werner Helicase Synthetic Lethality Program

Candidate Biomarker: High-MSI (15% GI Cancers and 16% CRC)¹



¹ Cancer Res., November 1998

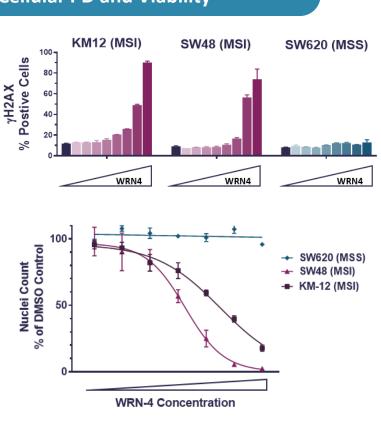
Werner Inhibitor Cellular PD and Viability

PD-marker: dose dependent increase of DNA damage marker γH2AX

Cell viability: MSI-high specific cell viability effect; no effect in MSS cell lines

In vivo efficacy: Preliminary WRN inhibitor in vivo PD and efficacy

IDEAYA Data





Darovasertib Monotherapy Overall Survival in Heavily Pre-Treated MUM

Overall Survival favorable compared to Historical Pretreated Synthetic Control Arm ^{1,2}

Baseline Characteristics		N=81 (%)		1.0 –	*			
٨٥٥	< 65	57 (70.4)			1ª		HR 0.58 [0.41, (1 831
Age	>=65	24 (29.6)		0.8 -	The second se	fttr.	IDE196 mOS 13.2r	-
Cov.	F	41 (50.6)			A. A.		Rantala mOS 7.5m	[6.8, 8.8]
Sex	М	40 (49.4)	bility	0.6 -				
	0	61 (75.3)	roba	0.0		* ¹ +#		
ECOG PS	1	20 (24.7)	val P			The t	+	
	Normal	26 (32.1)	Survival Probability	0.4 –		A STATE	L	÷
Baseline LDH	>ULN	54 (66.7)		0.2 -		4		
	Missing	1 (1.2)					*********	~
	0	12 (14.8)						-re
Number of Prior Regimens	1	30 (37.0)		0.0 -				
	>=2	39 (48.1)		IDE196 Rantala	81 369	30 125	3 28	C 1:
Tumor Burden (mm)	Median	82			0	10	20	3
(Sum of Target Lesions)	Min, Max	11, 301				Mo	nths	

¹IDEAYA Data (based on preliminary analysis of unlocked database, including: pooled IDEAYA and Novartis BID monotherapy clinical data as of Apr 13, 2021)

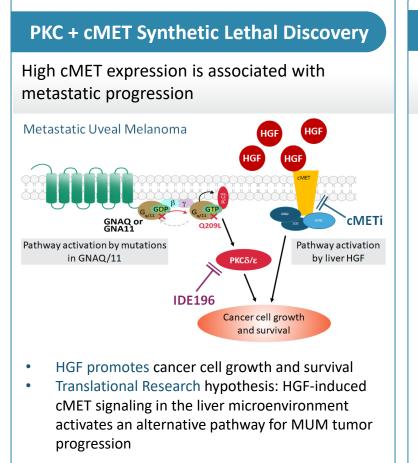
² Synthetic Control Arm based on Rantala 2019 (meta-analysis of overall survival of patients with metastatic uveal melanoma over 1980 to 2017 evaluated by treatment modality and lines of treatment)



IDE196

Synthetic Lethal Combination: Darovasertib (PKC) + Crizotinib (cMET)

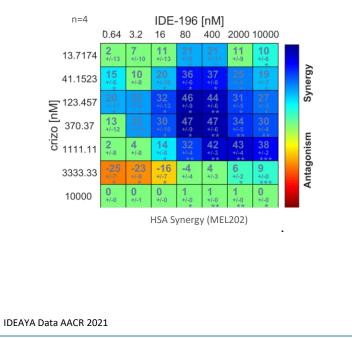
cMET inhibitor reduces HGF activation of cMET signaling to Synergize with Darovasertib



IDEAYA Darovasertib Investor Day, 2021

Preclinical Synergy

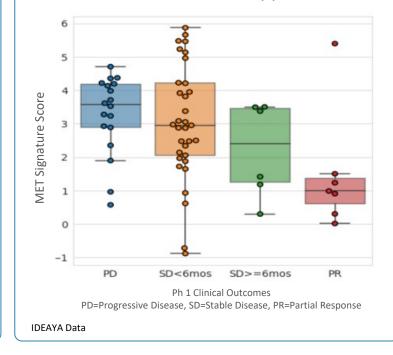
Darovasertib + Crizotinib synergy exhibited in Mel202 (MUM) cell line



Clinical Phase 1 Data Association

Clinical response to Darovasertib monotherapy associates with low cMET activity

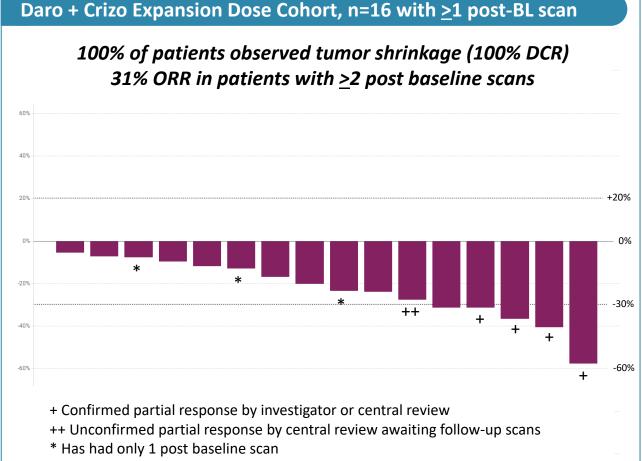
Darovasertib Monotherapy Ph 1





Preliminary Darovasertib + Crizotinib Phase 2 Expansion Dose Efficacy

Encouraging Clinical Activity in heavily pretreated Metastatic Uveal Melanoma



³ of 4 responders were pretreated with immunotherapy

Early Clinical PoC of PKC + cMET Synthetic Lethal

- 100% of patients show tumor reduction in target lesions (n=16 evaluable patients with <u>></u> 1 scan)
 - 100% Disease Control Rate
- Encouraging ORR% in heavily pre-treated MUM patients with >2 post-baseline scans (n=13)*
 - 4 patients with confirmed PRs (31% ORR)
 - 6 patients (46%) demonstrate >30% tumor reduction, including 1 uPR awaiting follow-up scan(s)
 - IMC-GP100/IMCR: 4.7% ORR; Pembro: 5% ORR**
- Baseline Characteristics of n=22 total patients, including 6 patients awaiting 1st scan
 - LDH > ULN in 65% of patients
 - 91% with prior therapies
 - 59% with 2 or more prior therapies
- Program Goal: ORR >20%
 - * No patients off-treatment prior to 2^{nd} scan



* CT scan read by investigator or central review

** Immunocore Corporate Presentation, November 2021

Darovasertib + Crizotinib Combination Preliminary Efficacy

Examples of Responses with significant Anti-Tumor Activity

Patient Example 1

- 70+ year old patient with ongoing response at 6 months ٠
- Priors: Ipi+Nivo, Chemoembolization, Radioembolization ٠
- Diffuse disease in liver, lung, LN, subcut and elevated LDH ۲

One of many lesions

necrotic confluence distorting liver

Large



Baseline



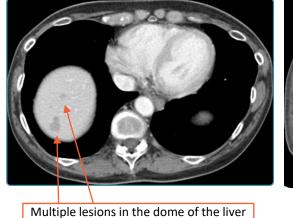
5 months

Patient Example 2

- 60+ year old patient with ongoing response at 4 months
- Priors: Ipi+Nivo ۲
- Numerous liver lesions, normal LDH ٠

Baseline

4 months





Markedly improved



Darovasertib + Crizotinib SL Combination Therapy

Differentiated Novel Treatment Mechanism in MUM

	Darovasertib + Crizotinib	Cabozantinib	Selumetinib + Dacarbazine	Tebentafusp
Target / Mechanism	Target / MechanismPKC + cMET		MEK + Chemotherapy	HLA-A2-0201 Bi-Specific Ab
Study Name	Study Name NCT03947385		SUMIT (NCT01974752)	IMCgp100-102
Population	Population 2L/3L+ MUM (n=16 eval)		1L+ MUM (n=97)	2L+ MUM (n=127)
Patient Selection	N/A (100% of MUM)	N/A (100% of MUM)	N/A (100% of MUM)	HLA-A2-0201 (~40-50% of MUM)
Drug Form	Oral Tablets (BID)	Oral Capsules (QD)	Oral Capsules (BID) plus chemo	IV Infusion (Weekly)
Tolerability (Grade ≥3 Drug-Related AE)	27%	51.6%	63% ^^^ (All Cause)	46.5%
% of Pts with Tumor Shrinkage	100%*	23% ^^	35%^^	44%#
Overall Response Rate (ORR)	31%*	0%	3% ^^^	4.7%#
Progression Free Survival (PFS)	Targeting mPFS update in H1 2022	2 m	2.8 m ^^^	2.8 m#
Overall Survival (OS)	[TBD]	6.4 m	Not reported	16.8 m#

* IDEAYA Ph 1/2 (ongoing): based on preliminary analysis of unlocked database as of 11/25/2021 by investigator or central review

[#] Based on Immunocore reported 2L+ study data (to reflect comparative patient population) and by independent review

^ Randomized Phase II Trial and Tumor Mutational Spectrum Analysis from Cabozantinib versus Chemotherapy in Metastatic Uveal Melanoma (Alliance A091201); Clin Cancer Res 2020;26:804–11

^^ Estimated from Waterfall plot

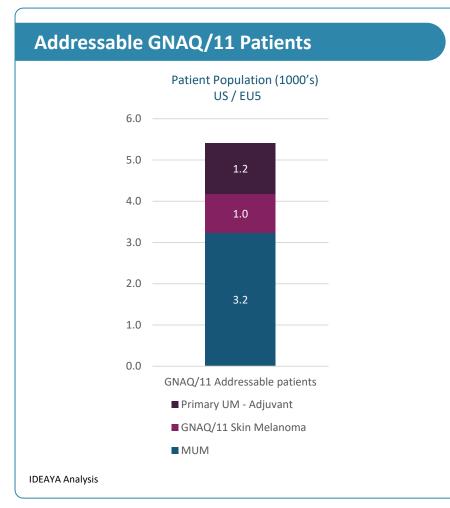
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^^^ Journal of Clinical Oncology, Carjaval, et. al, 2018; 1232-1239



Darovasertib Patient Population Analysis

GNAQ/GNA11 Melanoma & Additional MET-Amplified / High Expression Tumors



MUM, Adjuvant UM and GNAQ/11 Skin Melanoma

- No FDA Approved Therapies for MUM or GNAQ/11-Tumors
- Evaluating opportunities in Adjuvant Uveal Melanoma (Ph 1 IST) and GNAQ/11 Skin Melanoma (Ph1)
- Total Addressable Patient Population = ~5.4K pts/year

Evaluating Additional MET-Amplified / High Expression Tumors

- Patient selection based on CLIA-validated assays for METamplification (e.g., NGS, FISH) or high MET expression (e.g., IHC)
- HCC focus on refractory / resistant patients based on hypothesis of constitutively active cMET/HGF axis

	MET-amplification	High MET Expression
NSCLC	~1-5% ^{1,2}	~3-4% ²
CRC	-	~3-9% ²
Gastric Cancer	-	~9-20% ²
НСС	~9% 3	~27% ³

1 Drilon et al., Journal of Thoracic Oncology Jan 2017, 12 (1) 15-26 2 Sierra et al., Therapeutic Advancers in Medical Oncology Nov 2011, 3 (S1) S21-S35 3 Lee et al., Anticancer Research November 2013, 33 (11) 5179-5186



Building a Premier Synthetic Lethality Focused Precision Medicine Oncology Biotech in 2021 and Beyond

Focus on Potential *First-in-Class* Synthetic Lethality Programs to Deliver Patient Breakthroughs

Patient Impact: Large addressable patient populations in major solid tumor types Potential First-in-Class / Best-in-Class: Optimized small molecule and protein degrader development candidates Precision Medicine: Compelling patient selection and pharmacodynamic biomarkers Synthetic Lethality Platform: Deep and rich target pipeline with ongoing target identification and validation SL Degraders: Pol Theta Protein Degraders demonstrate degradation in cell models; additional SL degrader opportunities

HRD/BRCA GNAQ/11 **SL Platform MTAP-Deletion MSI-High** PARG **IDE397 (MAT2A)** Werner Helicase SL Combo: PKC + cMET **Novel Targets** Cohort Expansions - H1'22 **DC Lead Nominated** Lead Optimization mPFS Update – H1'21 **Chemistry Optimization** GSK Option Package - H1'22 Registration Trial - H1'22 **Pol Theta** Clinical Data Update - H1'22 DC Nomination - Dec'21 MTAP-SL Target Advance Protein Degraders Lead Series ID

Target Milestones to Advance Industry Leading Synthetic Lethality Pipeline



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