

Determined to realize a future in which people with cancer live longer and better than ever before



4Q19 EARNINGS PRESENTATION | MARCH 2020

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# Syndax pipeline addresses key areas of unmet need in cancer



## Entinostat Class I HDAC Inhibitor Breast Cancer

- Targeting endocrine therapy resistance in HR+ met breast cancer
- Ph3 data expected 2Q20
- Potential approval 2Q21

## SNDX-5613 Menin inhibitor Leukemias

- Targeting Acute Leukemias
- Recent publications in Cancer Cell and Science endorse rationale for treating MLLr, NPM1 mut
- Ph1 data expected 4Q20

## Axatilimab\* anti-CSF1R mAb Chronic GVHD

- Targeting macrophage driven diseases
- Clinical proof-of-concept for chronic GVHD achieved
- Ph1 data expected 4Q20

*\* recently granted generic name for SNDX-6352*

# Phase 3 E2112: Focused on overall survival

## E2112: Exemestane +/- entinostat



Primary endpoint: OS

## E2112 Trial Assumptions

80% power to detect HR = 0.75

Minimal HR detectable = 0.82

Equates to a clinically meaningful risk reduction and ~5 mo mOS benefit

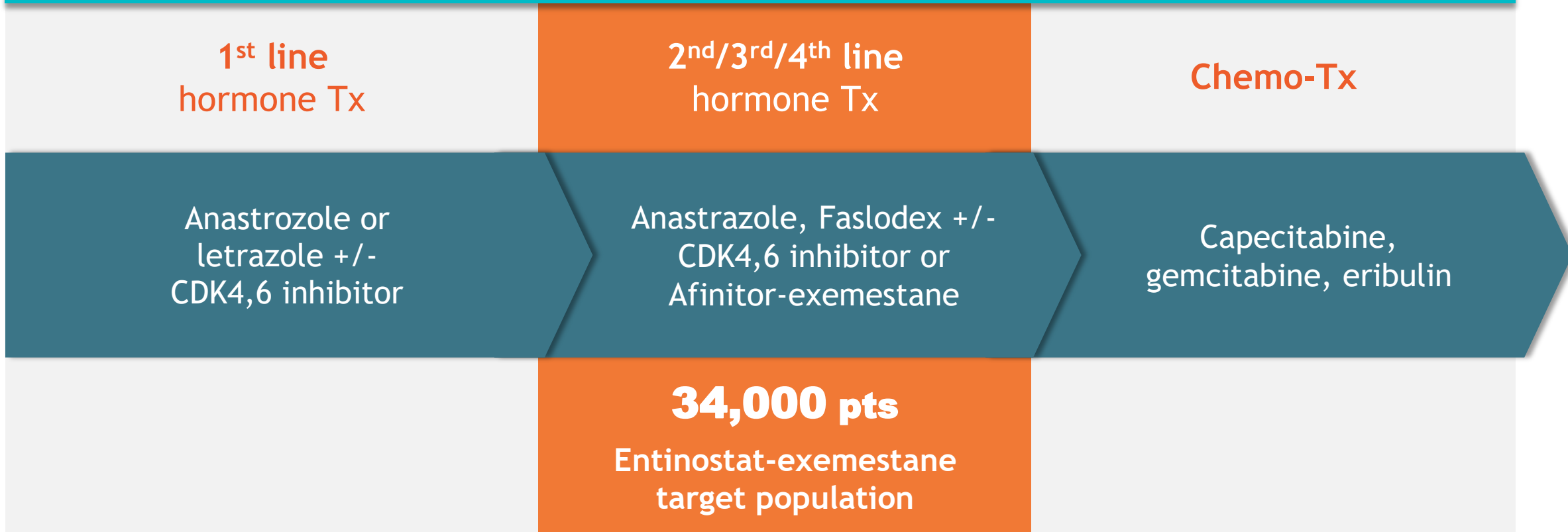
2Q20: Final OS analysis anticipated

*A positive OS result allows filing for full regulatory approval*



# Blockbuster potential as 2<sup>nd</sup>/3<sup>rd</sup> line agent






## Leading treatment options - HR+, HER2- advanced breast cancer



*US commercial launch preparation underway*

Source: Kantar 2019 Breast cancer Epidata; IQVIA Monthly treatment report (2018)

# Recent market research with US and EU physicians demonstrated favorable reaction to entinostat TPP

Attribute		Key Feedback
Indication		<ul style="list-style-type: none"><li>• High unmet need in 2L, especially after CDK 4/6 treatment</li></ul>
Mechanism of Action		<ul style="list-style-type: none"><li>• Re-sensitization to endocrine therapy seen as positive, providing rationale for other entinostat -- ET combinations</li></ul>
Efficacy		<ul style="list-style-type: none"><li>• OS benefit viewed as most important efficacy measure;</li><li>• Positive QoL benefit could offset smaller PFS benefit</li></ul>
Route of Administration		<ul style="list-style-type: none"><li>• Oral administration reduces cost and burden of hospital visits</li></ul>
Safety & Tolerability		<ul style="list-style-type: none"><li>• AE profile viewed as favorable vs SOC and alpelisib</li></ul>

Source: 2019 HR+/HER2- breast cancer Physician market research



# SNDX-5613: Breakthrough targeted therapy for acute leukemia

## Advantages

## Strong target validation

## Precise patient selection

## Big effect in small studies

## Molecular markers of disease status

## Rapid regulatory path



## CANCER

### Therapeutic targeting of preleukemia cells in a mouse model of *NPM1* mutant acute myeloid leukemia

Hannah J. Uckelmann<sup>1,2</sup>, Stephanie M. Kim<sup>1,2</sup>, Eric M. Wong<sup>1,2</sup>, Charles Hutton<sup>1,2</sup>, Hugh Giovino<sup>1,2</sup>, Jayant Y. Gadrey<sup>1,2</sup>, Andrei V. Krivosov<sup>1,2</sup>, Frank G. Rücker<sup>3</sup>, Konstanze Döhner<sup>3</sup>, Gerard M. McGeehan<sup>4</sup>, Ross L. Levine<sup>5</sup>, Lars Büllinger<sup>6</sup>, George S. Vassiliou<sup>7</sup>, Scott A. Armstrong<sup>1,2,\*</sup>

The initiating mutations that contribute to cancer development are sometimes present in premalignant cells. Whether therapies targeting these mutations can eradicate premalignant cells is unclear. Acute myeloid leukemia (AML) is an attractive system for investigating the effect of preventative treatment

because this disease is often preceded by a preleukemic syndrome). In *Npm1c/Dnm13a* mutant knock-in mice, the disease can be reversed by oral administration of a small molecule inhibitor of the myeloid transcription factor complex. These preclinical results suggest that patients with relapsing AML might benefit from targeted epigenetic therapy.

[illegible]

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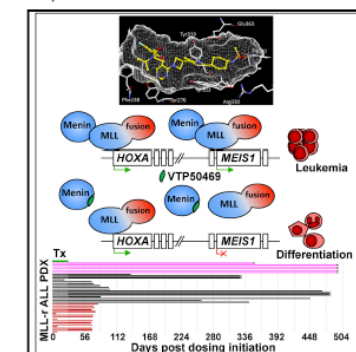
clude that *Npm1c* supports the inappropriate expression of genes associated with normal stem cell self-renewal, such as *Hoxa/b* cluster genes, throughout myeloid differentiation.

We next investigated whether *Npm1c* can induce stem cell-associated gene expression de novo in committed progenitor cells, which lack self-renewal and have low levels of *Hoxa* and *Meis1* expression. For this, we sorted Cere-negative *Npm1c*, *Dmrt1a*, and *Npm1c/Dmrt1a* mutant GMPs and LSK cells and then used retroviral GFP overexpression to induce the mutant knock-in alleles in vitro (Fig. 1C). *Npm1c* expression induced *Hoxa9* expression in GMPs in vitro, suggesting that the *Npm1c*-driven stem

## Cancer Cell

### A Menin-MLL Inhibitor Induces Specific Chromatin Changes and Eradicates Disease in Models of *MLL*-Rearranged Leukemia

### Graphical Abstract



## Highlights

- A selective, orally bioavailable Menin-MLL inhibitor, VTP50469, is developed
- Displacement of Menin from chromatin leads to loss of MLL from specific loci
- Treatment with VTP50469 leads to suppression of a subset of MLL fusion target genes
- Treatment with VTP50469 improves survival in PDX models of MLL-r ALL

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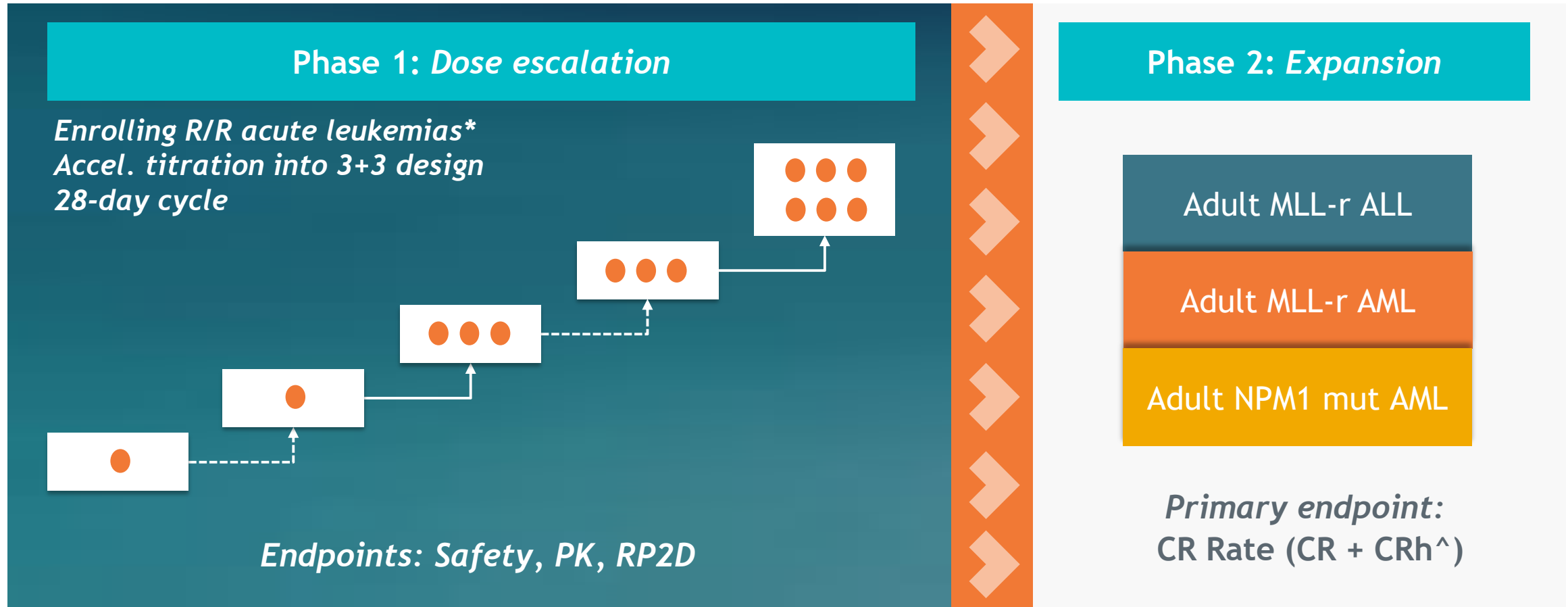
### In Brief

Krivtsov et al. develop a selective and orally bioavailable small-molecule inhibitor targeting the Menin-MLL interaction, which suppresses a subset of MLL fusion target genes and significantly improves survival in PDX models of MLL-rearranged leukemia.

Krivtsov et al., 2019, *Cancer Cell* 36, 660–673  
December 9, 2019 © 2019 Elsevier Inc.  
<https://doi.org/10.1016/j.ccell.2019.11.001>

CellPress

# AUGMENT-101: Phase 1/2 trial of SNDX-5613 in patients with acute leukemia



\* Unselected population; ^ CR = Complete response, CRh = Complete response with partial hematologic recovery; MLL-r - mixed lineage leukemia rearranged; NPM = nucleophosmin



# Axatilimab: CSF-1R monoclonal antibody

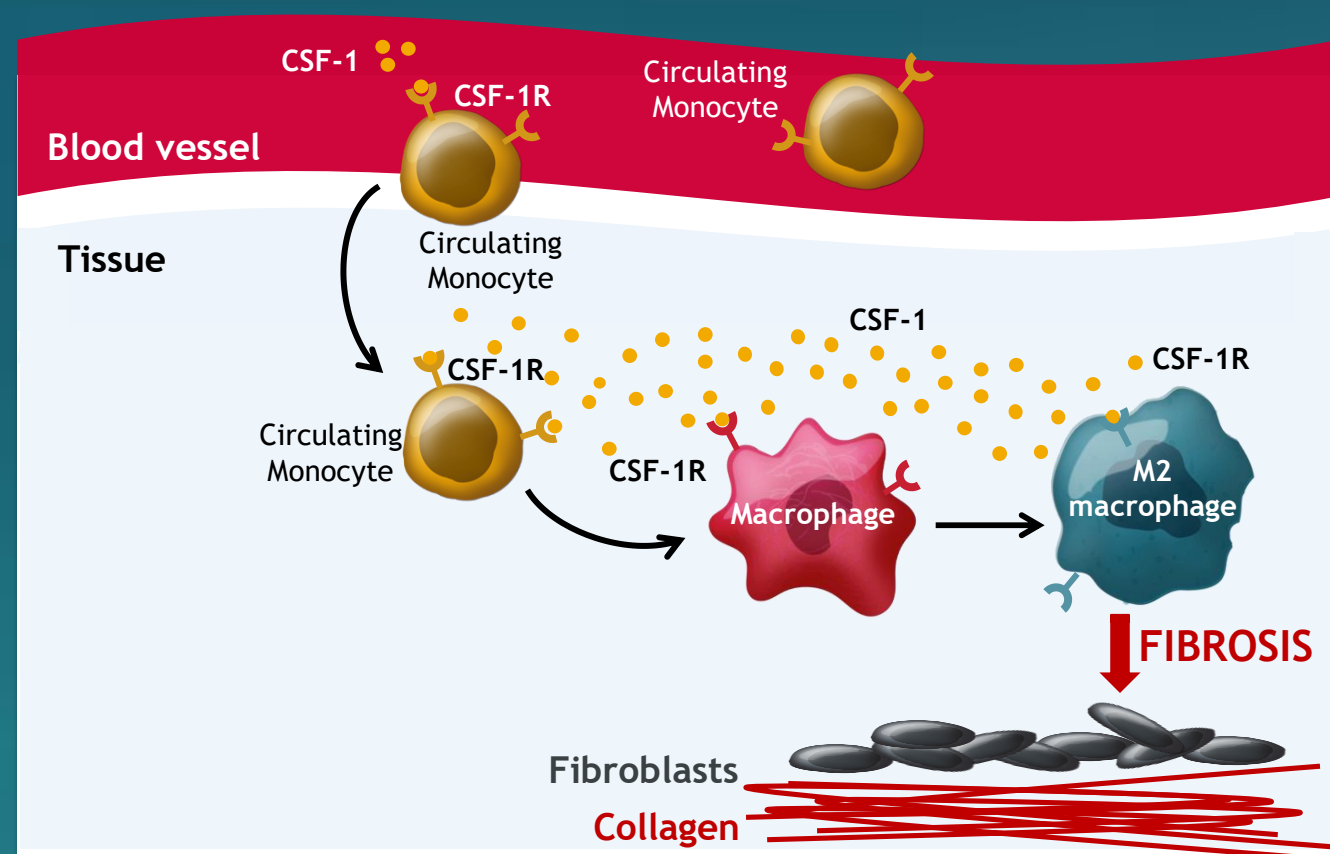
cGVHD develops in 40% of HSCT<sup>1,2</sup>

- US prevalence ~14,000<sup>2</sup>

Pre-clinical evidence suggest CSF-1-dependant macrophages mediate cGVHD<sup>3</sup>

Phase 1/2 trial enrolling; data 2H20

Signaling through CSF-1R may play a meaningful role in the management of chronic GVHD

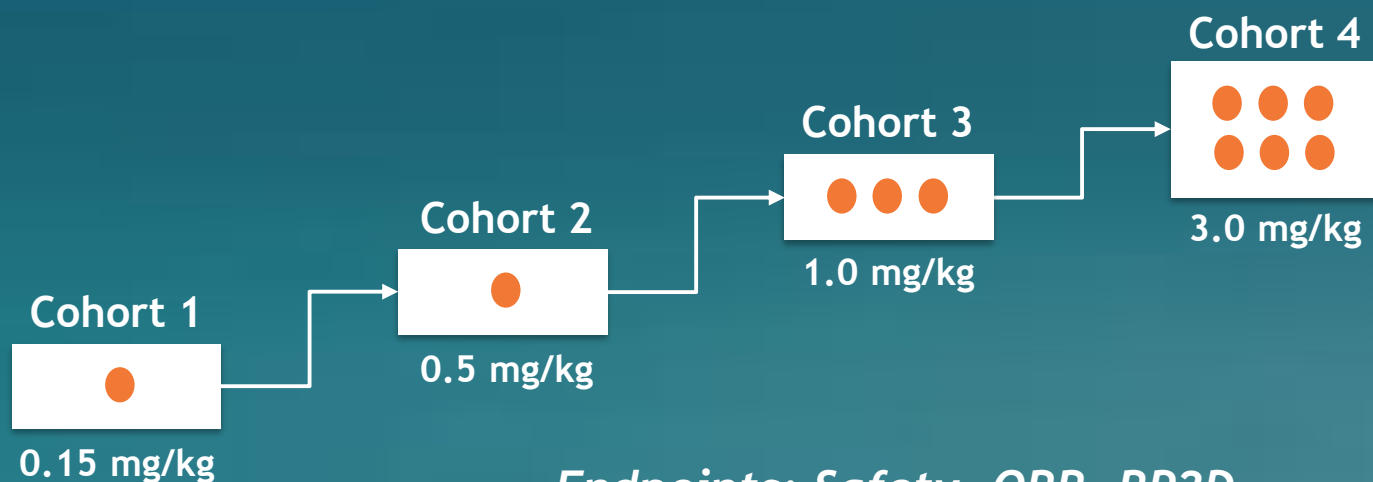


Source: 1. SmartAnalyst 2017 SmartImmunology Insights chronic GVHD report. 2. Bachier, CR. et al. ASH annual meeting 2019; abstract #2109 Epidemiology and Real-World Treatment of cGVHD Post Allogeneic HSCT: A U.S. Claims Analysis.; 3. Alexander, KA et al., J Clin Invest. 2014;124(10):4266-4280. Figure Adopted from MacDonald, K.P.A. et al., BLOOD, 5 (129) 13-21; HSCT - Hematopoietic stem cell transplantation

# Axatilimab designed to identify optimal Phase 2 dose

*Enrolling cGVHD pts progressed on 2 or more prior therapies*

## Phase 1: Dose Escalation



*Endpoints: Safety, ORR, RP2D*

## Phase 2: Expansion

Up to 22 pts

*Primary endpoint:*  
ORR (2014 NIH GVHD criteria)

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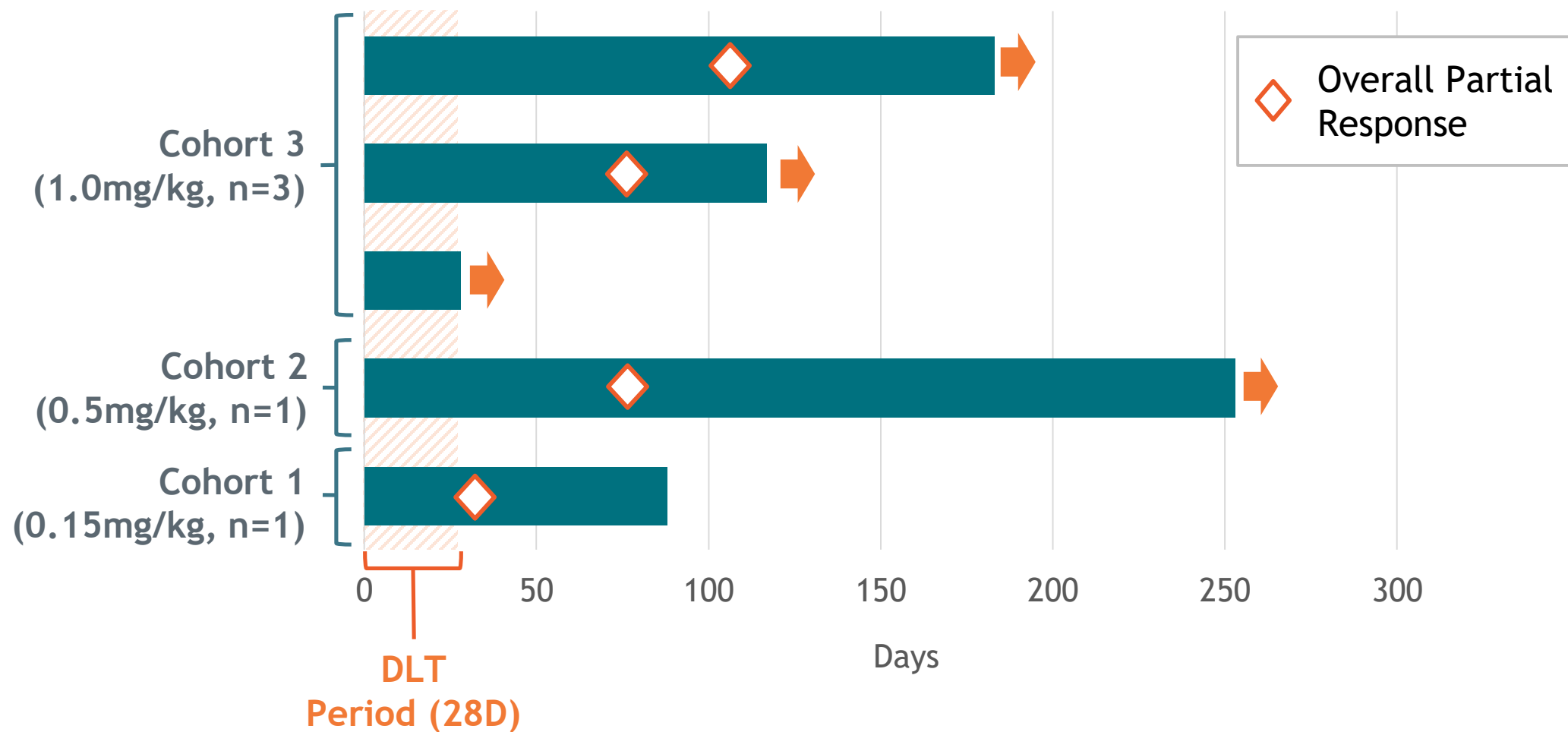
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# Responses observed in all evaluable patients\*



\*As of Dec 2019

# First evidence of CSF-1R inhibition inducing responses in cGVHD

- *Patient experienced chronic condition unresponsive to prior therapies*
- *Treatment with 1mg/kg Q2W axatilimab led to significant improvement in ulceration*



5/15/19

➤ ➤ ➤  
1mg/kg Q2W axatilimab  
initiated 6/12/19  
➤ ➤ ➤



9/18/19



# Financial highlights and 1H 2020 financial guidance

**1Q20: Raised \$35 million at a 20% premium to market, closed on \$20 million debt**

Ticker	SNDX (NASDAQ)	
Cash and short-term investments (at Dec 31, 2019)	\$60 million	
Cash proceeds from Q1 2020 offering and debt	\$55 million	
Shares Outstanding* (at Mar 3, 2020)	36 million	
1H 2020 Operating Expense Guidance**		
	1Q 2020	2Q 2020
Research and Development	\$12-13 M	\$13-14 M
Total Operating Expenses^	\$17-18 M	\$18-19 M

\* Includes 30.2 million common shares and pre-funded warrants to purchase 5.8 million common shares

\*\* Financial guidance for 2H 2020 will be issued following results of the E2112 trial

^ Includes \$3 million non-cash stock compensation expense for 1H 2020



# Key upcoming milestones

ENTINOSTAT (Class 1 specific HDAC inhibitor)	1Q20	2Q20	3Q20	4Q20
E2112 - Final Overall Survival analysis expected		●		
SNDX-5613 (Menin inhibitor)	1Q20	2Q20	3Q20	4Q20
Data presentation from AUGMENT-101 trial (in R/R acute leukemias)				●
Axatilimab (anti-CSF-1R mAB)	1Q20	2Q20	3Q20	4Q20
Data presentation from Phase 1/2 chronic GVHD trial				●

Thank you. Questions?

Syndax 