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

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2Q19 EARNINGS PRESENTATION | AUGUST 2019

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2019: Portfolio prioritization to drive value

Entinostat + exemestane

FDA BTD

Oral, Class I HDAC in HR+ mBC

- Positive OS data possible 2H19 - 1H20
- NDA filing anticipated in 2020
- Efficacy in CDK4,6 treated patients
- Blockbuster potential

Potential near-term FDA approval

SNDX-5613

Oral, Menin inhibitor

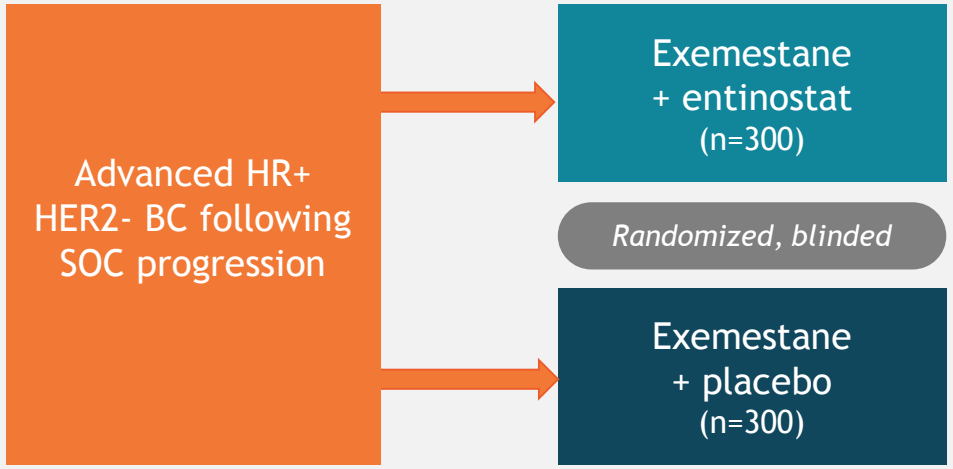
- Blocks activity of MLL-fusion proteins
- IND cleared; initial data expected 2020
- Benefit expected in high need AML, ALL
- Blockbuster potential

Targeted therapy provides fast to market opportunity

HR+ mBC – hormone receptor positive metastatic breast cancer; MLL – mixed lineage leukemia; AML – acute myeloid leukemia; ALL – acute lymphoblastic leukemia

Phase 3 E2112: Focused on overall survival

E2112: Exemestane +/- entinostat



Primary endpoint: OS

FDA BTD

NATIONAL CANCER INSTITUTE

ECOG-ACRIN cancer research group
Reshaping the future of patient care

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E2112 Trial Milestones

- ✓ **4Q18:** Accrual completed (n=608), PFS and interim OS analyses shared
- ✓ **2Q19:** Passed interim OS futility
- **4Q19:** Final interim OS analysis
- **2Q20:** Final OS analysis (if needed)

Expect to file NDA ~6 months after positive OS data

A positive OS result allows filing for full regulatory approval

Blockbuster potential as 2nd/3rd line agent

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

1st line hormone Tx

Anastrozole or letrazole +/- CDK4,6 inhibitor

2nd/3rd/4th line hormone Tx

Anastrazole, Faslodex +/- CDK4,6 inhibitor or Afinitor-exemestane

34,000 pts

Entinostat-exemestane target population

Chemo-Tx

Capecitabine, gemcitabine, eribulin

Source: DataMonitor 2017 Breast cancer: HR+/HER2- Disease Coverage Report; IQUVIA Monthly treatment report (2018)

SNDX-5613 targets novel fusion protein: fusion proteins proven to be good candidates for targeted therapies

Advantages

- Strong target validation
- Precise patient selection
- Big effect in small studies
- Molecular markers of disease status
- Rapid regulatory path

Therapies targeting fusion proteins

BCR-ABL

Tasigna (nilotinib) 50mg, 200mg capsules

SPRYCEL dasatinib 100 mg tablets

ICLUSIG (ponatinib) tablets

gleevec (imatinib mesylate) tablets 100mg, 400mg

EML4-ALK

ZYKADIA ceritinib 150 mg capsules

ALUNBRIG BRIGATINIB 30 mg TABLETS

ALECENSA alectinib 150 mg capsules

XALKORI CRIZOTINIB 250 MG CAPSULES

NTRK Fusions

VITRAKVI (larotrectinib) 25-mg/100-mg CAPSULES 20-mg/mL ORAL SOLUTION

Entrectinib^ (Ignyta/Roche)

RET Fusions

LOXO-292 (Loxo/Lilly)

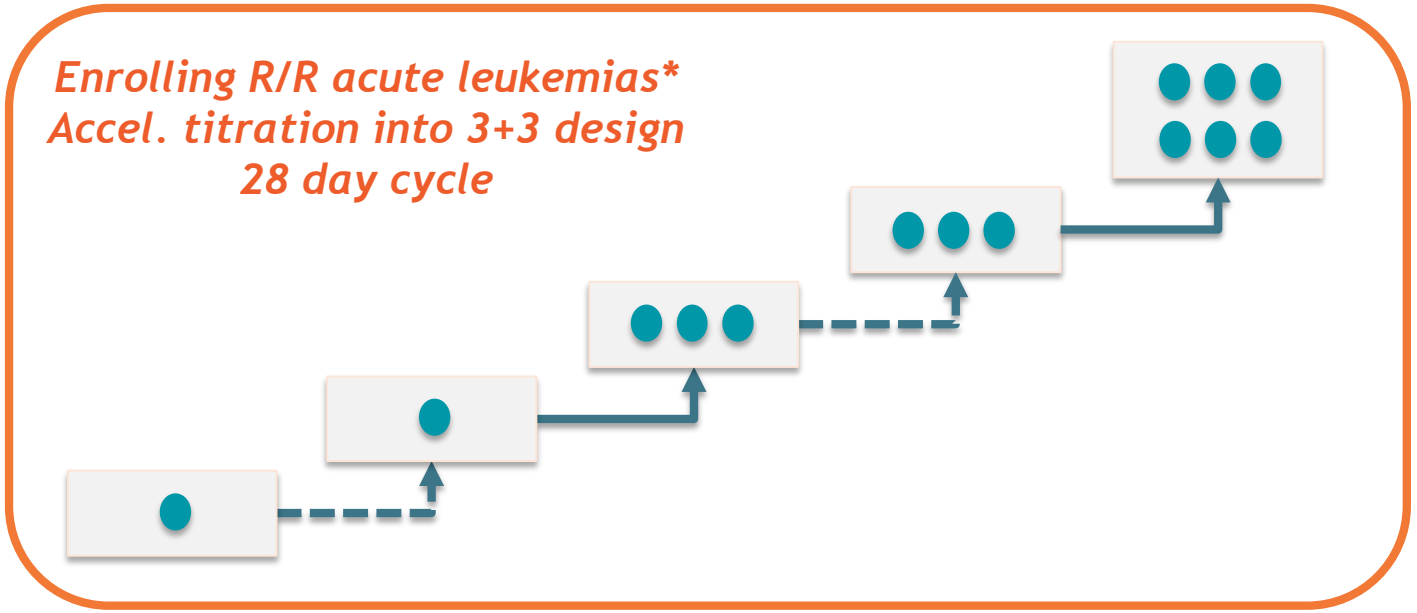
ALECENSA alectinib 150 mg capsules

BLU-667 (Blueprint)

^ approved in Japan: Rozlytrek®

AUGMENT clinical program: testing oral Menin inhibitor, SNDX-5613, in patients with acute leukemia

Phase 1:
Dose escalation



Endpoints: Safety, PK, RP2D

Phase 2:
Expansion

- Adult MLL-r ALL
- Adult MLL-r AML
- Adult NPM1 mut AML

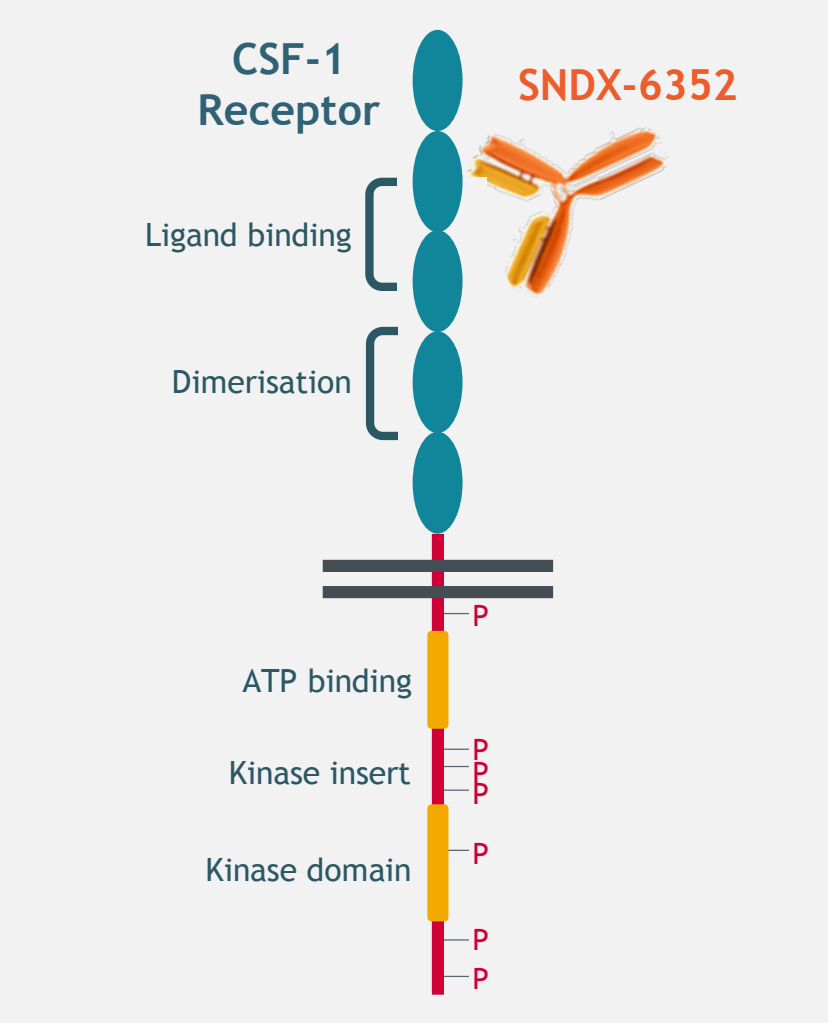
Primary endpoint:
CR Rate (CR + CRh^)

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

Update on SNDX-6352: pursuing novel indication

High affinity, IgG4 (K_D = 4-8 pM)

- ✓ Chronic graft versus host disease (cGVHD) study initiated
  - Expect phase 1 dose escalation results in 2H20
- ✓ Ascending dose trials:
  - ✓ Identified RP2D in combo with IMFINZI® (durvalumab, AZ)
  - Monotherapy (solid tumors) ongoing



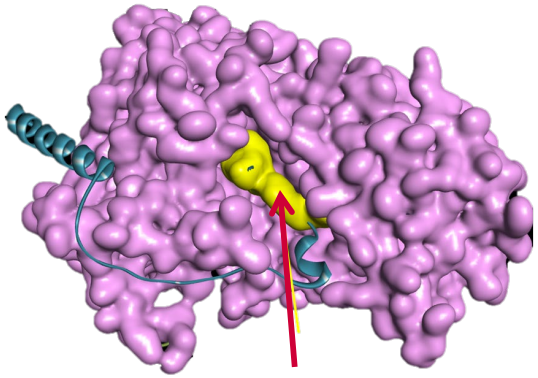
CSF-1R – colony stimulating factor -1 receptor; RP2D recommended Phase 2 dose.
Source : Ordentlich, P. et al SITC 2016.

Proven ability to build the pipeline

3Q16: UCB

SNDX-6352

4Q17: Allergan/Vitae



Menin-MLLr inhibitors

- Established relationships enhance identification and access to quality assets
- Clinical development leadership enables competitive advantage
- Business development continues to be a core strength of our business

2Q 2019 financial highlights and 3Q, full-year 2019 guidance

Ticker	SNDX (NASDAQ)	
As of June 30, 2019		
Cash and short-term investments	$80.5 million	
Shares Outstanding*	31.6 million	
2019 3Q and full year Operating Expense Guidance		
	3Q 2019	**2019**
Research and Development	$11 – 12 M	$45 - 47 M
Total Operating Expenses^	$15 – 16 M	$60 – 63 M

** Includes 27.1 million common shares and pre-funded warrants to purchase 4.5 million common shares*

^ Includes $1.5 and $6 million non-cash stock compensation expense for 3Q 2019 and for 2019, respectively

Key upcoming milestones

ENTINOSTAT (Class 1 specific HDAC inhibitor)	3Q19	4Q19	1H20	2H20
E2112 – upcoming OS analyses*		●	●	

* Final 1H20 OS analysis will only be conducted if needed

SNDX-5613 (Menin inhibitor)	3Q19	4Q19	1H20	2H20
Results from phase 1 portion of AUGMENT (in R/R acute leukemias)			⬭	

SNDX-6352 (anti-CSF-1R mAB)	3Q19	4Q19	1H20	2H20
Results from Phase 1 chronic GVHD trial				●

Thank you. Questions?

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