

### TakeAim Leukemia Update

December 12, 2022



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## Emavusertib Monotherapy Activity Reinforced in Updated Data

*New data roughly doubles the targeted patient population (FLT3 or Spliceosome mutation)* 



Consistent, deep anticancer activity with a single agent

#### **In Targeted Patients**

Specific genetic mutations (FLT3, U2AF1, SF3B1) are the primary drivers of disease in this population; new data continue to show deep and durable responses

#### **In Non-Targeted Patients**

The majority of patients in this population have disease that harbors excess IRAK4-L; updated data continue to demonstrate emavusertib's monotherapy anticancer effects, suggesting potential to contribute independent anti-cancer activity when combined with other agents

\* Indicates the graphic cutoff as 100%

22 AML patients with spliceosome mutation were response evaluable with baseline and post-treatment bone marrow assessments at data cutoff;

2 additional AML patients with spliceosome mutation had no post-treatment bone marrow assessment, but reported progressive disease and were also considered as response evaluable

# Emavusertib Monotherapy Activity Reinforced in Updated Data

New data show consistent, deep anticancer activity with a single agent



### **In Patients with FLT3 Mutation**

In this population, IRAK4 is a key driver of resistance to FLT3 inhibition; updated data show multiple deep and durable objective responses *Concomitant targeting of IRAK and FLT3 is the most effective means to overcome adaptive resistance incurred when targeting FLT3*<sup>1</sup>

#### **In Patients with Spliceosome Mutation**

In this population, the primary driver of disease is a splicing factor mutation which causes excessive production of IRAK4-L; this population also represents a particularly high unmet need, as there are no approved therapies for R/R hrMDS

\* Indicates the graphic cutoff as 10%

 $oxtime{2}$  3 patients have both a FLT3 and spliceosome mutation and are included in both populations

7 AML patients with spliceosome mutation were response evaluable with baseline and post-treatment bone marrow assessments at data cutoff;

2 additional AML patients with spliceosome mutation had no post-treatment bone marrow assessment, but reported progressive disease and were also considered as response evaluable

# Initial Data Show Emavusertib is Highly Active in Combination

Initial combination data in AML/MDS are consistent with data seen in NHL/CLL



<sup>1</sup> in combination with ibrutinib <sup>2</sup> in combination with venetoclax

#### **Combination in NHL/CLL**

Blocking both of the two pathways that drive overactivity of NFκB (BCR pathway and TLR pathway) achieves strong anti-cancer activity, including in patients previously treated with ibrutinib BTKi targets BCR pathway IRAK4i targets TLR pathway

### **Combination in AML/hrMDS**

In AML/hrMDS, treatment resistance is dependent upon expression of anti-apoptotic factors such as MCL1 and BCL2; in initial data, combining emavusertib with venetoclax induced strong anti-cancer effect in patients *venetoclax targets BCL2 IRAK4i reduces MCL1* 

## **Emavusertib Induced Molecular Responses**

Disease modifying activity in spliceosome-, FLT3- and dual-mutated disease

