

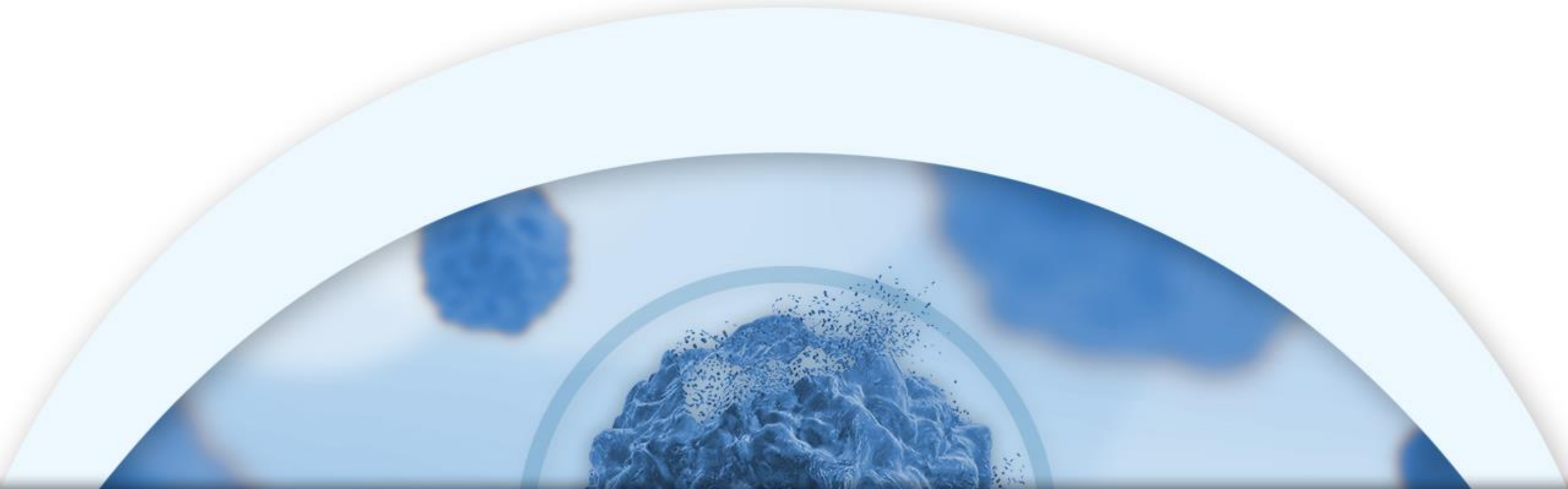


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## TakeAim Leukemia Update

*December 12, 2022*

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# Cautionary Note Regarding Forward Looking Statements

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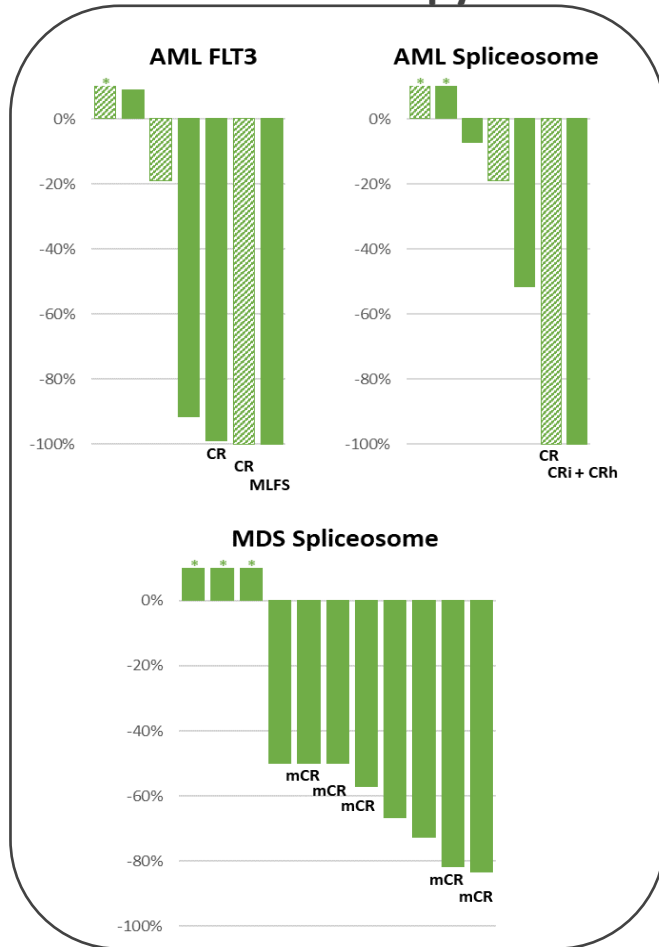
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# Emavusertib Monotherapy Activity Reinforced in Updated Data

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

with targeted mutations  
**Monotherapy**



## 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%

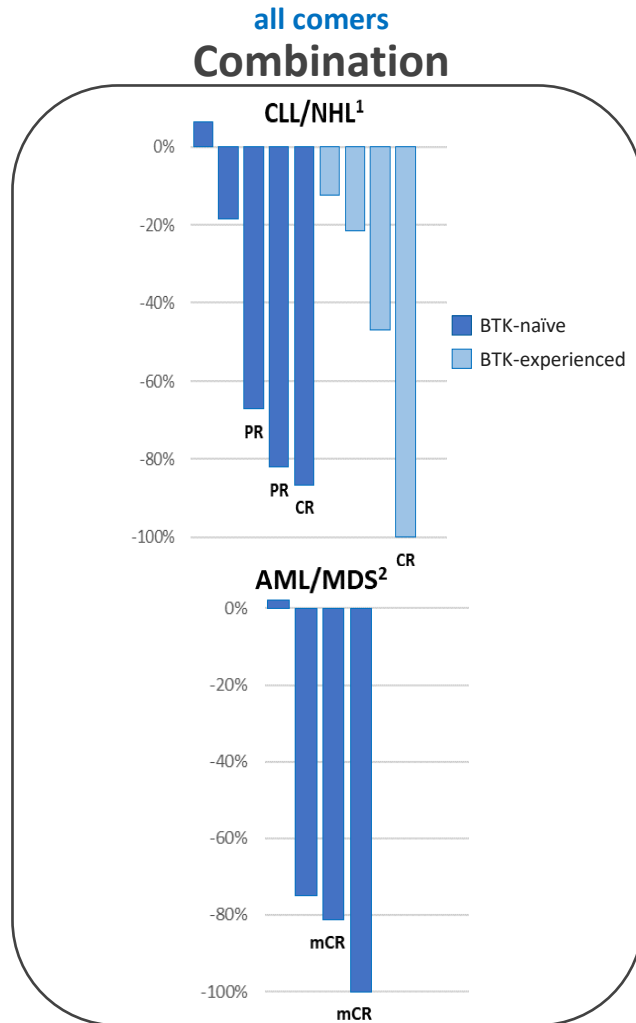
■ 3 patients have both a FLT3 and spliceosome mutation and are included in both populations

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

<sup>1</sup> Melgar, *Sci Transl Med*. 2019

# 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

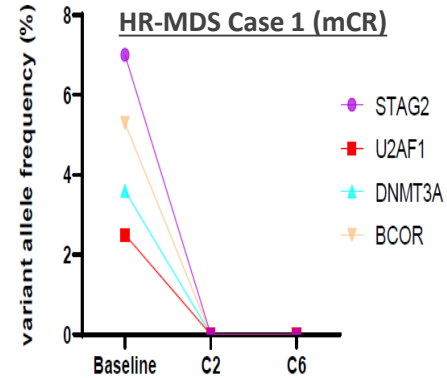
In AML/hrMDS, treatment resistance is dependent upon expression of anti-apoptotic factors such as MCL1 and BCL2; in initial data, combining emavusertib with venetoclax induced strong anti-cancer effect in patients

*venetoclax targets BCL2*

*IRAK4i reduces MCL1*

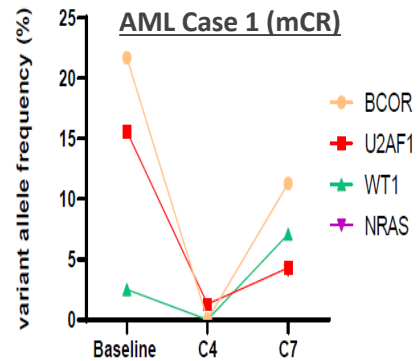
# Emavusertib Induced Molecular Responses

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



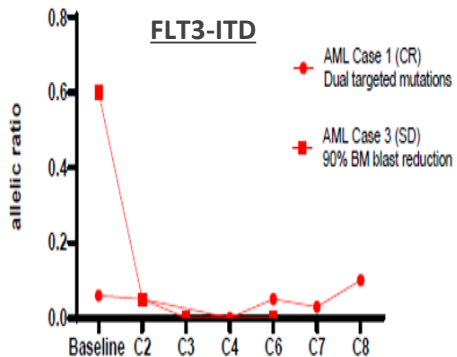
## Patient with hrMDS harboring U2AF1 mutation

Demonstrates loss of not only the mutated splicing factor U2AF1, but also STAG2, DNMT3A and BCOR



## Patient with AML harboring dual mutation (U2AF1 and FLT3)

Patient achieved CR with complete hematologic recovery, as well as loss of BCOR, U2AF1, WT1 and NRAS



## FLT3 mutations by PCR

Demonstrates rapid loss of the FLT3-mutated clone in patient with dual mutation above, and a patient without targeted spliceosome mutation