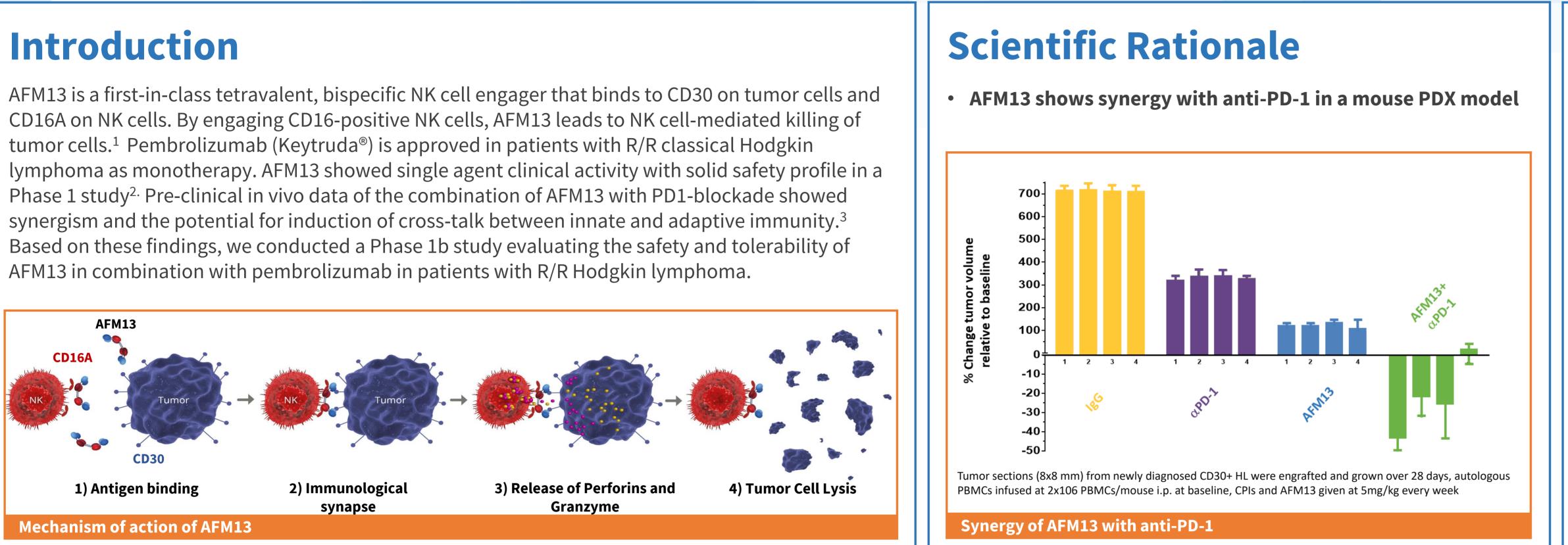


# A Phase 1 Study Investigating the Combination of AFM13 and the Monoclonal Anti-PD-1 Antibody Pembrolizumab in Patients with Relapsed/Refractory Hodgkin Lymphoma after Brentuximab Vedotin Failure: Updated Safety and Efficacy Data

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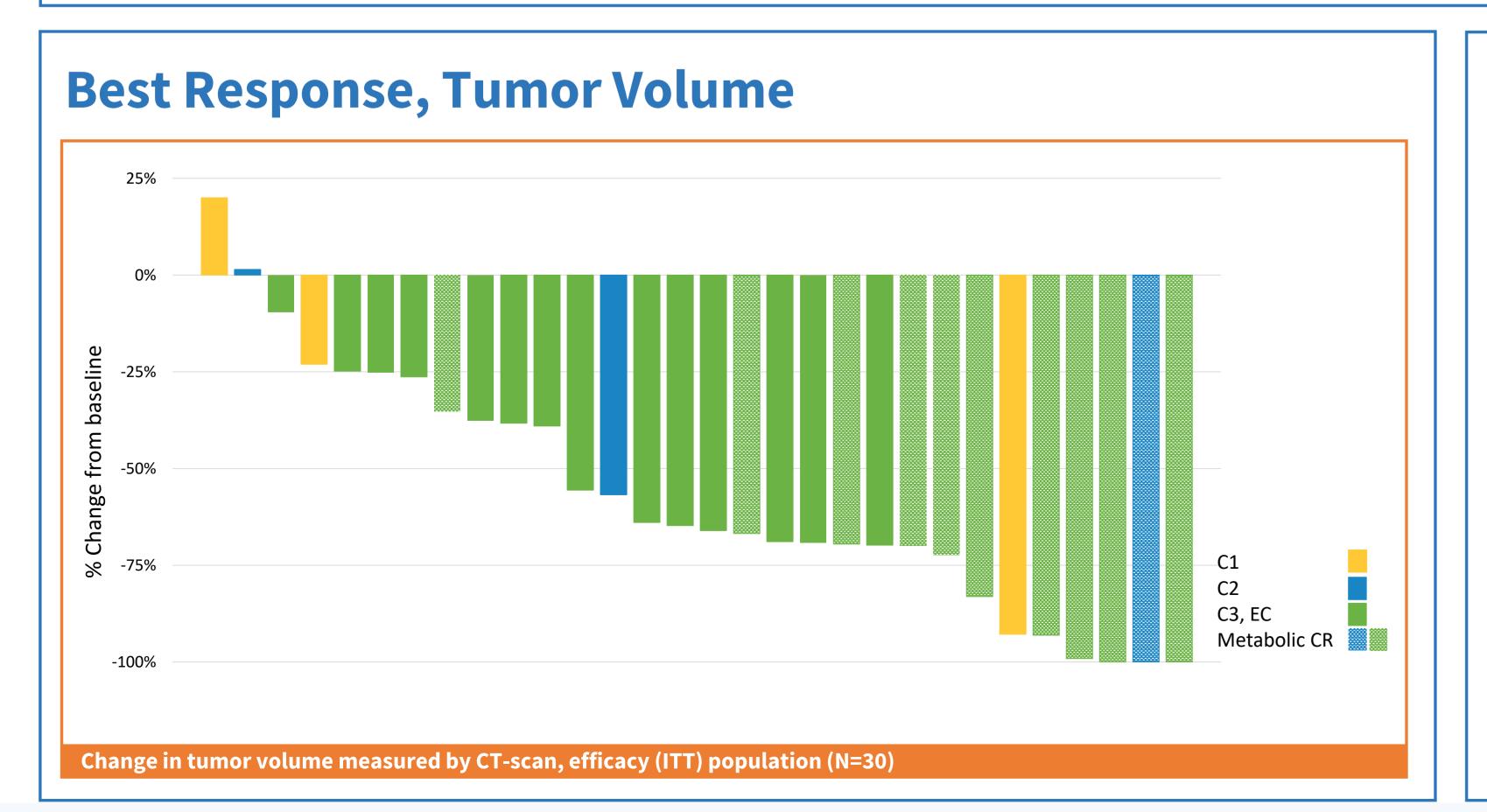


### Safety

- All 30 pts have completed DLT period
- 2 DLTs observed
  - Missed  $\geq$  25% of AFM13 during DLT period (C3)
  - G4 IRR (EC)
- MTD not reached; expansion at the highest treated dose and schedule
- **Treatment-related Adverse Events (TRAE)**
- Most were Common Terminology Criteria for Adverse Events (CTCAE) G1 or G2 and manageable with standard of care measures

TRAEs, All Grades	Safety population (N=30)	TRAEs ≥ G3	Safety population (N=30)
IRR	24 (80%)	IRR	4 (13%)
Rash	9 (30%)	Elevated AST	1 (3%)
Nausea	7 (23%)		- ()
Pyrexia	7 (23%)	Gastritis	1 (3%)
Diarrhea	6 (20%)	Hypotension	1 (3%)
Fatigue	5 (17%)	Nausea	1 (3%)
Headache	5 (17%)		
Elevated ALT	4 (13%)	Neutropenia	1 (3%)
Elevated AST	4 (13%)	Vomiting	1 (3%)

Most common TRAEs in at least ≥10% patients for all CTCAE Grades and all TRAEs ≥ G3



Cheson B.D., et al., J Clin Oncol 2014; 32(27): 3059-3067. 5) Chen et al., J Clin Oncol 2017; 35:2125-2132. 6) Armand, et al., J Clin Oncol 2018; 36:1428-1439.

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## Efficacy

- **Patients:** Efficacy analysis included best response amongst all 30 pts (intent to treat, ITT)
- **Overall response:** 88% ORR by both investigator and independent assessn at the highest dose treated/dose chos expansion
- **Complete response rate:** 42% by investigator and 46% by independent assessments at the highest dose treated/dose chosen for expansion
- ITT: 83% ORR for the ITT population t included dose escalation cohorts (C1 & C2) by both investigator and independent assessments

### **Duration and Deepening of** Responses

- Deepening of response: Observed in 4 patients
  - NmR to CmR
  - 2 cases of PmR to CmR
  - Not evaluable to PmR
- **Durable responses:** Estimated 6-month PFS rate at the highest dose treated 77%
- **Transplant:** 6 patients transitioned successfully to stem cell transplant

### Methods

- **Study design:** 3+3 dose escalation design with 3 dose escalation cohorts (C) and an extension cohort (EC) of up to 24 patients (pts)
- Primary objectives:
- Maximum tolerated dose (MTD) determination
- Secondary objectives:
- Safety/tolerability
- Anti-tumor activity
- PK profile evaluation
- Study assessments:

ITT (N=30)

12 (40%)

 PET/CT imaging every 12 weeks (Lugano Classification Revised Staging System for Malignant lymphoma)<sup>4</sup>

	Week 2 & 3	Weeks 4, 5, 6, 7,8, 9	Weeks 16, 19, 25
Cohort 1	0.1 mg/kg x 3	0.5 mg/kg	0.5 m
Cohort 2	0.5 mg/kg x 3	1.5 mg/kg	1.5 m
Cohort 3	3 mg/kg x 3	7.0 mg/kg	7.0 m
Dose escalati	on of AFM13		

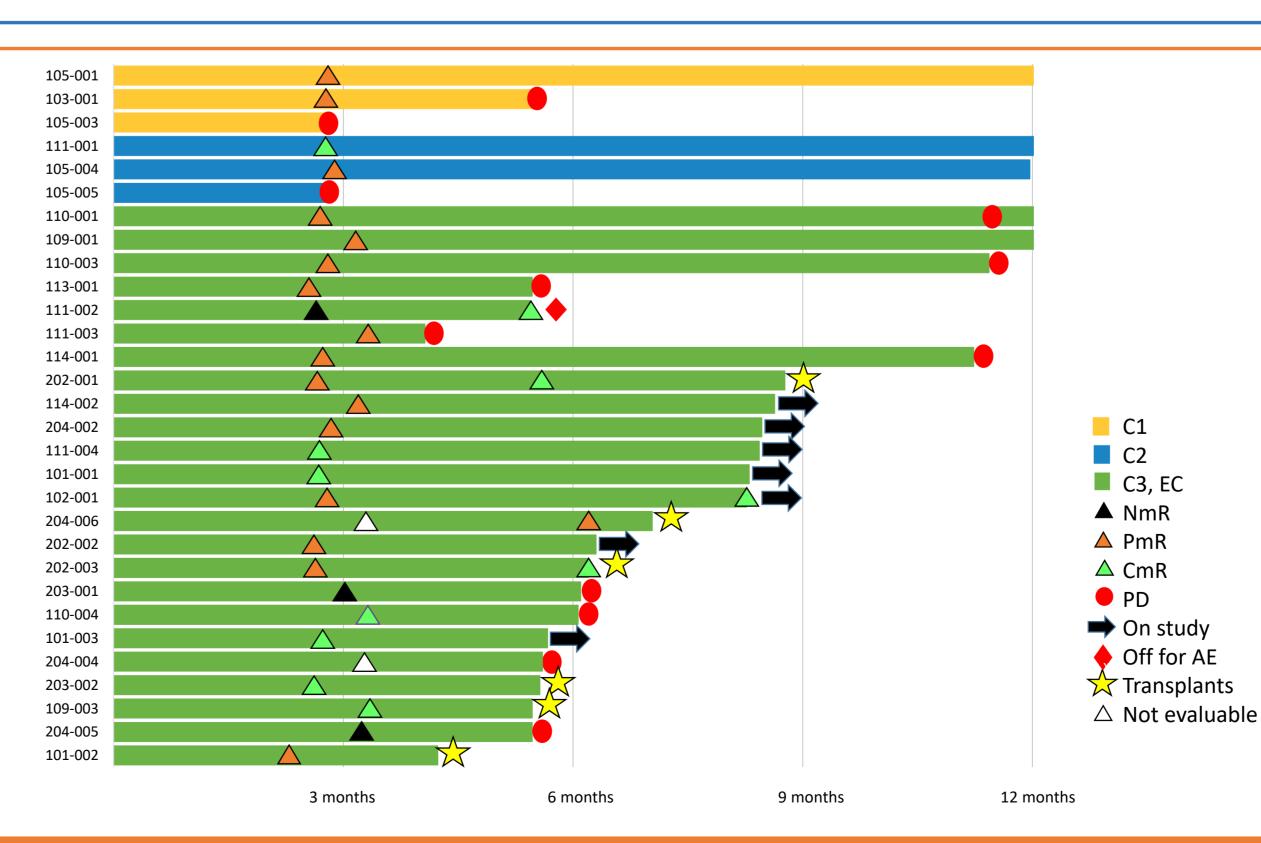
		Complete Metabolic Response No. (%)	Partial Metabolic Response No. (%)	No Metabolic Response No. (%)	Progressive Disease No. (%)	Overall Response No. (%)	
	C1 and C2 (N=6)	1 (17%)	3 (50%)	0 (0%)	2 (33%)	4 (67%)	
1	C3 + EC (N=24)	10 (42%)	11 (46%)	2 (8%)	1 (4%)	21 (88%)	
sments	ITT (N=30)	11 (37%)	14 (47%)	2 (7%)	3 (10%)	25 (83%)	
osen for	Best metabolic response by investigator assessment, efficacy (ITT) population (N=30)						
nt		Complete Metabolic Response No. (%)	Partial Metabolic Response No. (%)	No Metabolic Response No. (%)	Progressive Disease No. (%)	Overall Response No. (%)	
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Best metabolic response by independent assessment, efficacy (ITT) population (N=30)

3 (10%)

2 (7%)

13 (43%)



Swimmers Plot, safety population (N=30)

## **Population Characteristics**

mec

Characteristic	Total Patient Population (N=30) Number (%)
Age, years, median (range)	34 (18 to 73)
Gender	Female 10 (33%); Male 20 (67%)
Prior therapies, no.	
3	15 (50%)
4	6 (20%)
5	3 (10%)
6	4 (13%)
7	2 (7%)
Prior auto. stem cell transplant.	12 (40%)
Prior brentuximab vedotin (BV)	30 (100%)
BV as last therapy	13 (43%)
Refractory vs. relapsed	57% vs. 43%

Demographic and baseline characteristics, safety population (N=30)

# Conclusions

e Rate

e Rate

25 (83%)

- The combination of AFM13 and pembrolizumab is well tolerated, with most common AE being IRRs that are mostly mild to moderate in nature and manageable with standard of care measures
- Deepening of responses over time was observed in multiple patients, and patients who were previously transplant ineligible transitioned to transplant after achieving an objective response
- At the highest treated dose, the ORR of 88% and CR rates of 42% and 46% by local and independent assessments, respectively, compare favorably to the historical data of pembrolizumab in a similar patient population, with the CR rate approximately double that of pembrolizumab<sup>5, 6</sup>
- The combination of AFM13 with pembrolizumab is a promising regimen for patients with relapsed/refractory Hodgkin lymphoma