

#### ADI-001 Phase 1 Interim Data First-in-class allogeneic, off-the-shelf

gamma delta ( $\gamma\delta$ ) CAR T cells

A THE	A THE	The second secon	14
			M



# Forward-Looking Statements

This presentation contains "forward-looking statements" of Adicet Bio, Inc. (Adicet) within the meaning of the Private Securities Litigation Reform Act of 1995 relating to business and operations of Adicet. These forward-looking statements include, but are not limited to, express or implied statements regarding the potential safety, durability, tolerability and therapeutic effects of ADI-001, including the expected design, implementation, timing and success of ADI-001; plans and timing for the release of additional clinical data from Adicet's Phase 1 trial of ADI-001 in relapsed/refractory NHL patients; future progress of the GLEAN study, including ongoing patient enrollment; expectations regarding future regulatory filings for product candidates in the Company's pipeline; and timing of a dose selection for the Phase 2 trial in the second half of 2022 and initiation of a potentially pivotal program in the first half of 2023. Any forward-looking statements in this presentation are based on management's current expectations and beliefs of future events, and are subject to a number of risks and uncertainties that could cause actual results to differ materially and adversely from those set forth in or implied by such forward-looking statements, including without limitation, the effect of COVID-19 on Adicet's business and financial results, including with respect to disruptions to its clinical trials, business operations, and ability to raise additional capital; Adicet's ability to execute on its strategy, including obtaining the requisite regulatory approvals on the expected timeline if at all; that positive results, including interim results, from a clinical study may not necessarily be predictive of the results of future or ongoing clinical studies; clinical studies may fail to demonstrate adequate safety and efficacy of Adicet's product candidates, which would prevent, delay, or limit the scope of regulatory approval and comparable foreign regulatory authorities are lengthy, time-consuming, and inherently unpred

#### **Industry and Market Information**

Information regarding market share, market position and industry data pertaining to Adicet's business contained in this presentation consists of estimates based on data and reports compiled by industry professional organizations and analysts and Adicet's knowledge of their industry. Although Adicet believes the industry and market data to be reliable, this information could prove to be inaccurate. You should carefully consider the inherent risks and uncertainties associated with the market and other industry data contained in this presentation. Forward-looking information obtained from third-party sources is subject to the same qualifications and the additional uncertainties as the other forward-looking statements in this presentation.



#### Agenda



Welcome and Introductory Che Remarks Presid

Chen Schor President and Chief Executive Officer



ADI-001 Clinical Update

Francesco Galimi, M.D., Ph.D. SVP and Chief Medical Officer



Commentary: ADI-001 Interim Data

#### Sattva Neelapu, M.D.

Dept. of Lymphoma-Myeloma, Division of Cancer Medicine The University of Texas, MD Anderson Cancer Center



#### Chen Schor/All



# Adicet Bio: Leaders in γδ CAR T Cell Therapy

- ADI-001 is a first-in-class, allogeneic, investigational γδ CAR T cell therapy to reach clinical trials and report clinical data
- γδ T cells may provide significant advantages both in terms of anti-tumor activity and safety compared to other cell therapy platforms or bispecifics
- $\gamma \delta 1 T$  cells may provide benefits as compared to  $\gamma \delta 2 T$  cells
- Robust, scalable, "off the shelf" cGMP-compliant manufacturing process; broad patent portfolio
- Six additional internal  $\gamma \delta 1$  T cell therapy programs in preclinical development
- One new IND planned every 12-18 months





# ADI-001: Encouraging Early Efficacy Data in Heavily Pretreated Aggressive NHL Patients (Indolent Lymphoma Such as FL Not Enrolled)

- 75% ORR and CR rate with favorable safety and tolerability profile observed in the study to date\*
- 80% ORR and CR rate at dose level 2 and 3 combined
- 100% ORR and CR rate in three patients that relapsed after prior autologous anti-CD19 CAR T therapy
- 50% of evaluable patients with at least 6 months follow up remain cancer free
- Dose-related increase of ADI-001 exposure observed in blood
- Potential for best-in-class ORR, CR and durability given the anti-tumor activity offered by γδ1 CAR T cells
- Preliminary safety and efficacy data to date offer potential for a broad pivotal program across NHL types and lines of therapies



#### ADI-001: First-in-class, Allogeneic Gamma Delta CAR T Cell Therapy for R/R NHL Targeting B-Cell Antigen CD20

- Gamma delta ( $y\delta$ ) CAR T cells may provide three mechanisms of anti-tumor activity, limiting ability for tumor escape
  - Innate anti-tumor activity targeting multiple surface proteins selected by evolution to mark tumors for cell killing
  - Adaptive anti-tumor activity via yδ TCR
  - CAR mediated anti-tumor activity
- Express MHC independent yδ TCR; lower GvHD risk without the need for gene editing
- Readily available, "off-the-shelf" product candidate with scalable cGMP manufacturing process
- Advantage of CD20 as a CAR target:
  - CD20 is expressed in over 98% of advanced B-cell malignancies at diagnosis<sup>1</sup>
  - CD20 cell surface expression is stable over time despite prior treatment with CD20 antibodies<sup>2</sup>
  - 95% of tumors relapsing after CD19 CAR T therapies remain CD20 positive<sup>2</sup>

<sup>1</sup>Castillo JJ et al. Expert Rev Hematol 2015. <sup>2</sup>Plaks V et al. Blood 2021. 138(12):1081-85





DNAM-1= DNAX accessory molecule-1; GvHD= Graft Versus Host Disease; HLA= Human Leukocyte Antigen; MHC= Major Histocompatibility Complex;

NCR= Natural Cytotoxicity Receptors; NK= Natural Killer; TCR= T Cell Receptor; NKG2D= NK Group 2D

6

#### Preclinical Functional Characteristics of ADI-001

- A. Rapid killing kinetics compared to  $\alpha\beta$  CAR T
- B. Potent and functionally persistent *in vivo* activity in lymphoma models
- C. Superior resilience to Host vs Graft compared to common gene-editing approaches





7



# GLEAN: ADI-001 First-in-Human Study (CD20 CAR+ γδ T cells)



Standard LD (sLD): Cy 500 mg/m<sup>2</sup> (3 days) and Flu 30 mg/m<sup>2</sup> (3 days) Enhanced LD (eLD): Cy 1000 mg/m<sup>2</sup> (3 days) and Flu 30 mg/m<sup>2</sup> (4 days)

#### Dose Escalation of ADI-001 (3 + 3 design)

DL1	DL2	DL3
3E7 CAR+ Cells	1E8 CAR+ Cells	3E8 CAR+ Cells

#### Primary endpoint:

- Number of DLTs
- Treatment emergent and treatment-related AEs

#### Secondary endpoint:

- ORR, DOR, PFS, TTP, and OS
- PK, immunogenicity

#### Key eligibility criteria:

- R/R high grade B-cell lymphomas (indolent lymphomas, such as FL, were not enrolled)
- At least 2 prior regimens, including anti-CD20 Ab and anthracycline based chemotherapies for DLBCL
- Measurable disease by Lugano 2014
- >18 years; ECOG 0 or 1
- Prior CAR T therapies allowed

AE's= Adverse events; Cy= Cyclophosphamide; DLBCL=Diffuse large B-cell lymphoma; DL= Dose level; DLT= Dose limiting toxicity; DOR= Duration of response; ECOG= Eastern Cooperative Oncology Group; Flu= Fludarabine; GLEAN= Gamma deLta adoptive thErApy for Nhl-1; OS= Overall survival; PFS= Progression-free survival; R/R= Relapsed or refractory; TTP= Time to progression



#### **Patient Characteristics**

Patient Characteristics	N (%) (Total N = 8)
Age – median (range)	62 (45 - 75)
Sex – number of male	5 (63)
B cell malignancy (WHO 2017 classification)	
Large B cell lymphoma (LBCL)	7 (87.5)
• R/R diffuse large B cell lymphoma	4 (50)
• R/R high grade B cell lymphoma, double/triple hit	2 (25)
• R/R high grade B cell lymphoma, NOS	1 (12.5)
R/R mantle cell lymphoma (MCL)	1 (12.5)
IPI score - median (range)	4 (2-5)
Stage III & IV disease	8 (100)
Sum of the product of the diameters at screening - median (range)	3,739 (1,307-6,922) mm <sup>2</sup>
Prior lines of therapies - median (range)	4 (2-5)
Prior anti-CD19 CAR T therapies	3 (38)
Prior Autologous Stem Cell Transplant	2 (25)
Prior systemic anti-cancer therapy	
CD20 mAB + anthracycline-based chemo	7 (88)
CD20 mAB + non-anthracycline-based chemo	7 (88)
POLA or POLA-BR	3 (38)
BTK inhibitors	2 (25)
Lenalidomide + Tafasitamab	1 (13)
Refractory status at study entry	
Refractory to first-line therapies	4 (50)
Refractory to second-line	4 (50)
Refractory to the last course of anti-cancer systemic therapy	5 (63)

10 patients enrolled; 8 efficacy evaluable

•

- All patients had aggressive B-cell lymphoma 7 LBCL and 1 MCL; indolent lymphomas were not enrolled
- Most patients were heavily pre-treated with poor prognostic factors and relatively high tumor burden
- >60% of patients were refractory to the last course of systemic therapy, and the remaining had relapsed
- 3 DLBCL patients (38%) with prior anti-CD19 CAR T cell therapy progressed following Yescarta (Axi-cel) and JCAR17 (Liso-cel)
- All patients were CD20 positive in prior treatment biopsies



9

# Efficacy-Evaluable Patient Characteristics\*

Median number of prior therapies: 4; >60% of patients were refractory to last systemic therapy, the remainder had relapsed

Cancer Type	Age/Sex	# Prior Lines of Therapy	Prior Lines of Therapies	sLD or eLD	ADI-001 Dose Level	Prior CAR T?	Stage	Status
Transformed DLBCL (from CLL)	62/F	5 prior lines	<ul> <li>R-CHOP</li> <li>Rituximab-abbs, gemcitabine, and CDDP</li> <li>Rituximab-abbs, gemcitabine, carboplatin</li> <li>Polatuzumab + Bendamustine/rituximab</li> <li>Obinutuzumab - hyper cyclophosphamide and dexamethasone</li> </ul>	sLD	DL1	No	IV	Off study
Transformed HGBCL (from FL)	66/F	4 prior lines	<ul> <li>R-CHOP</li> <li>Ibrutinib</li> <li>Bendamustine/rituximab</li> <li>Rituximab</li> </ul>	sLD	DL1	No	III	Off study
Triple-hit HGBCL	75/M	5 prior lines	<ul> <li>R-CHOP + intrathecal methotrexate</li> <li>Liso-cel</li> <li>Liso-cel (reinfusion)</li> <li>Revlimid</li> <li>Tafasitamab-cxix</li> </ul>	eLD	DL1	Yes	IV	Off study
MCL	62/M	5 prior lines	<ul> <li>Bendamustine/rituximab</li> <li>Zanubrutinib</li> <li>Bendamustine/obinutuzumab</li> <li>Bendamustine/obinutuzumab</li> <li>Bendamustine/obinutuzumab</li> <li>Bendamustine/obinutuzumab</li> <li>Bendamustine/obinutuzumab</li> </ul>	eLD	DL2	No	Ш	Active
DLBCL	45/M	3 prior lines	<ul> <li>R-CHOP</li> <li>R-ICE</li> <li>Polatuzumab</li> </ul>	eLD	DL2	No	IV	Off study
DLBCL	61/M	2 prior lines	<ul><li> R-CHOP</li><li> R-ICE</li></ul>	eLD	DL2	No	III	Active
Double-hit HGBCL	62/M	4 prior lines	<ul> <li>Da-R-EPOCH + intrathecal methotrexate</li> <li>R-Gemcitabine/oxaliplatin</li> <li>Axi-cel</li> <li>Polatuzumab + bendamustine/rituximab</li> </ul>	eLD	DL3	Yes	IV	Active
DLBCL	64/F	4 prior lines	R-CHOP     Axi-cel     R-Gemcitabine/oxaliplatin     Axi-cel     Polatuzumab + rituximab	eLD	DL3	Yes	IV	Active

\*The first 2 patients in DL1 progressed and left the study before completing the DLT window and were replaced per protocol. One was a Burkitt lymphoma, a histology no longer included in the study.



# ADI-001: Preliminary Safety Data in Efficacy-Evaluable Patients

	DL1 (3E7) N=3		DL2 (1E8) N=3		DL3 (3E8) N=2		Total N=8	
Adverse Events Types	All Grade N (%)	Gr ≥3 N (%)						
CRS	2 (67%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	2 (25)	0 (0)
ICANS	0 (0%)	0 (0%)	1 (33%)	0 (0%)	0 (0%)	0 (0%)	1 (13)	0 (0)
GvHD	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0)	0 (0)
DLTs	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0)	0 (0)
Infection*	1 (33%)	1 (33%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (13)	1 (13)
SAE - TEAE	1 (33%)	1 (33%)	1 (33%)	0 (0%)	0 (0%)	0 (0%)	2 (25)	1 (13)

Data-cut date: May 31, 2022

\*One patient in DL1 who received sLD developed COVID-19 related pneumonia approximately two and a half months after ADI-001 administration and later died of complications from it, unrelated to ADI-001.

- Safety assessment was performed using CTCAE (v5) and ASTCT
- No Grade ≥ 3 CRS or ICANS
- The only ADI-001 related AESI was a Grade 1 ICANS at DL2, which resolved within 24 hours without medical intervention
- No DLTs or GvHD
- No treatment discontinuations due to AEs
- 2 patients administered sLD;
  6 patients eLD
- No eLD-associated clinical infection





Per protocol analysis, independent radiographic assessment using Lugano 2014

	DL1 (3E7) (N=3)	DL2 (1E8) (N=3)	DL3 (3E8) (N=2)	Total (N=8)	Prior CD19 CAR-T (N=3)
ORR / BOR	67% (2/3)	67% (2/3)	100% (2/2)	75% (6/8)	100% (3/3)
CR, % (N)	67% (2/3)	67% (2/3)	100% (2/2)	75% (6/8)	100% (3/3)

- Overall in study: ORR = 75%, CR = 75%
- DL2 + DL3: ORR = 80%, CR = 80%
- 100% ORR and CR in patients previously treated with autologous CAR-T
  - 2 patients who had previously achieved **PRs to Axi-cel** and progressed, have achieved **CRs to ADI-001**



Data-cut date: May 31, 2022

# ADI-001: Preliminary Efficacy and Durability Data



Data-cut date: May 31, 2022

13

Preliminary data may suggest potential dose-related increase in durability

TH= Triple hit; DH= Double hit; DLBCL= diffuse large B-cell lymphoma; tCLL= transformed chronic lymphocytic leukemia; HGBCL=high grade B-cell lymphoma; MCL= Mantle cell lymphoma





lymphocytic leukemia; HGBCL=high grade B-cell lymphoma; MCL=mantle cell lymphoma



# ADI-001: Preliminary Efficacy and Durability Data





### eLD Increased Circulating IL-15 Levels by Approximately 2-fold



- Comparable lymphodepletion with sLD and eLD regimens (\*)
- No infections reported in patients receiving eLD

IL-15 (pg/mL)
 CD4 T cells (cell/µL)
 CD8 T cells (cell/µL)
 NK cells (cell/µL)

#### Number of subjects: Standard LD = 2 Enhanced LD = 5

(\*) Standard LD (sLD): Cy 500 mg/m<sup>2</sup>
(3 days) and Flu 30 mg/m<sup>2</sup> (3 days)
Enhanced LD (eLD): Cy 1000 mg/m<sup>2</sup>
(3 days) and Flu 30 mg/m<sup>2</sup> (4 days)



# Gamma Delta1 T Cells Preferentially Home to Tissues

peripheral blood

% of CD3+: ~1-3%





**Vδ1+** ↑↑ **V**δ2+ **JJ** 





tissue/blood: 11X



lung tissue/blood: 9X

Ratios empirically calculated or approximated from proportion of %CD3 from literature reports in relative compartment

Images adapted from Hunter et al J Hepatol. 2018 and Ribot et al Nat Rev Immunol. 2021

#### References:

Brauneck et al Front Med 2021 Davey et al Trends Immunol 2018 Uger et al Sci Rep 2018 Wang et al Exp Ther Med 2020 Wu et al Sci Transl Med 2019

Deusch et al Eur J Immunol 1991 Melo et al Clin Immunol 2021 Toulon et al J Exp Med 2009 Wisnewski et al Am J Respir Cell Mol Biol 2000

breast tissue/blood: ~15X adipose tissue/blood: 9X



tissue/blood: 8X



tissue/blood: **4X** 



liver tissue/blood: 3X



# Preliminary Pharmacokinetics of ADI-001 by Flow Cytometry



- Dose-related increase of ADI-001 exposure
- Durability >6 months already associated with ADI-001 exposure in the blood



Non-QC'ed data for representative measure on Day 10

\*One of the blood samples on Day 1 was collected post-infusion of ADI-001 instead of pre-infusion



# ADI-001 Case Study 1: Dose Level 1 (3E7 cells)

- 75-year-old male
- HGBCL, non-GCB, **triple hit** (c-MYC+, BCL2+, BCL6+)
- IPI score 3, Stage 4, extra nodal involvement
- SPD 1,307 mm<sup>2</sup>
- 5 prior lines of therapy
  - R-CHOP+IT-Methotrexate
  - Liso-cel (best response: CR)
  - Liso-cel reinfusion (best response: CR)
  - Revlimid
  - Tafasitamab-cxix

- Efficacy Data:
  - CR on PET/CT @ Day-28 and Month-3.
  - Skin (right leg) relapse at 3.9 months while repeat PET/CT remained in CR.
  - Only received focal radiation to the skin. Lesion resolved. No systemic therapy administered.
  - Post-radiation PET/CT continues to be negative more than 7.5 months after ADI-001 dosing.
- Safety Data:
  - No ADI-001 related AEs
  - No ICANS or CRS
  - No SAE-TEAE, DLT, GvHD

Sagittal view of the right leg SPD = sum of products of diameters GCB = germinal center B-cell like sub-type

 Baseline FDG uptake by tumor lesions Sites of tumor response









Month 3



# ADI-001 Case Study 2: Dose Level 2 (1E8 cells)

- 62-year-old male
- Mantle Cell Lymphoma
- MIPI score 4, Stage III
- SPD 6,472mm<sup>2</sup> at baseline
- 5 prior lines of therapy
  - Bendamustine + Rituximab
  - Zanubrutinib
  - Bendamustine + Obinutuzumab
  - Bendamustine + Rituximab
  - R-GDC
- Efficacy Data:
  - Ongoing CR > 7 months
- Safety Data:
  - No ADI-001 related AEs
  - No ICANS or CRS
  - No SAE-TEAE, DLT, GvHD

FDG uptake by normal tissues

- Baseline FDG uptake by tumor lesions
- Sites of tumor response



Baseline

D28





# ADI-001 Case Study 3: Dose Level 3 (3E8 cells)

- 62-year-old male
- HGBCL, double hit
- IPI score 4, Stage IV
- SPD 1,677 mm<sup>2</sup> at baseline
- 4 prior lines of therapy
  - DA-EPOCH-R / IT-MTX
  - R-GemOx
  - Axi-cel (best response: PR)
  - Pola-BR

- Efficacy Data:
  - CR at Day-28
- Safety Data:
  - No ADI-001 related AEs
  - No ICANS or CRS
  - No SAE-TEAE, DLT, GvHD





Baseline



CR in a patient previously treated with Axi-cel (best response to Axi-cel was PR)



# Summary: ADI-001 Is a Potential Best-in-Class Cell Therapy for NHL

- ADI-001, a CD20-targeting first-in-class investigational γδ1 CAR T product was well tolerated, with an excellent safety profile in this first-in-human study; no GvHD or DLT, no Grade ≥3 CRS or ICANS
- Encouraging early efficacy data with ADI-001 in heavily pre-treated aggressive NHL patients (Indolent lymphoma, such as FL, was not enrolled in trial), including those who had prior CD19 CAR T therapies
  - 75% ORR and CR rate observed in the study to date
  - 100% ORR and CR rate in three patients relapsed after prior autologous anti-CD19 CAR T therapy
- Early data suggest encouraging durability of responses
  - Preliminary data may suggest potential dose related increase in durability
- Potential for best-in-class ORR, CR rate and durability given ADI-001 mechanism of action
- Detection of circulating ADI-001 in the blood by flow cytometry indicates expansion and dose-related increase of ADI-001 exposure in patients
- Dose escalation is ongoing: Given safety profile to date, protocol amended to include a new DL4 (1E9 CAR+ cells) and potential ADI-001 consolidation dosing at DL3 to finalize recommended Phase 2 dose



### Development Plan May Include a Pivotal Intent Study to Provide Potential Path for Accelerated Approval

- Autologous alpha-beta CD19-targeted CAR T therapy has been approved for second and third line DLBCL
- There is no effective therapeutic option for patients progressing following autologous CD19-targeted CAR T therapy
- ADI-001 demonstrated 100% ORR and CR in three patients that relapsed after prior autologous alpha-beta CD19-targeted CAR T therapy, including two CRs in a patients that had a PR to prior autologous CAR T therapy
- Pending discussions with FDA, ADI-001 may be tested in a pivotal-intent, single-arm clinical trial in CD19 CAR T-relapsed aggressive NHL





- Based on your clinical experience, can you comment on ADI-001 durability data to-date?
- 2. Can you comment on ADI-001 persistence data to-date?
- 3. What are your thoughts regarding other cell therapy approaches for NHL such as alpha-beta CAR T, CAR NK and bispecifics compared to ADI-001?
- 4. Where do you see next steps for this program?





- Based on your clinical experience, can you comment on ADI-001 durability data to-date?
- 2. Can you comment on ADI-001 persistence data to-date?
- 3. What are your thoughts regarding other cell therapy approaches for NHL such as alpha-beta CAR T, CAR NK and bispecifics compared to ADI-001?
- 4. Where do you see next steps for this program?





- 1. Based on your clinical experience, can you comment on ADI-001 durability data to-date?
- 2. Can you comment on ADI-001 persistence data to-date?
- 3. What are your thoughts regarding other cell therapy approaches for NHL such as alpha-beta CAR T, CAR NK and bispecifics compared to ADI-001?
- 4. Where do you see next steps for this program?





- 1. Based on your clinical experience, can you comment on ADI-001 durability data to-date?
- 2. Can you comment on ADI-001 persistence data to-date?
- 3. What are your thoughts regarding other cell therapy approaches for NHL such as alpha-beta CAR T, CAR NK and bispecifics compared to ADI-001?
- 4. Where do you see next steps for this program?



#### ADI-001: Anticipated Near-Term Milestones

- Complete dose escalation through DL4 to establish recommended Phase 2 dose in 2H/2022
- Backfill enrollment to DL3 with additional potential patients in 2H/2022
- Discuss with the FDA and EMA the design of two pivotal studies and a potential path to support a BLA and MAA for ADI-001
- Anticipate at least one additional clinical update for ADI-001 in 2H/2022
- Initiate at least one potentially pivotal study with ADI-001 in 1H/2023



# Building a Broad Pipeline of First-in-Class $\gamma\delta$ CAR T Cell Therapy



\*Regeneron exercised its option to license the exclusive worldwide rights to ADI-002 in January 2022





Leaders in γδ CAR T Cell Therapy



CAR= Chimeric Antigen Receptors; DNAM-1= DNAX accessory molecule-1; HLA= Human Leukocyte Antigen; MHC= Major Histocompatibility Complex; NCR= Natural Cytotoxicity Receptors; NK= Natural Killer; TCR= T Cell Receptor; NKG2D= NK Group 2D



#### ADI-001 Phase 1 Interim Data First-in-class allogeneic, off-the-shelf

gamma delta ( $\gamma\delta$ ) CAR T cells

A THE	A A A A A A A A A A A A A A A A A A A	The second secon	14
			M

