Clinical Stage Cell Therapy for AL Amyloidosis and Other Serious Diseases

April 2025



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Pioneering Cell Therapy in AL Amyloidosis and Other Serious Diseases



Dedicated team for NXC-201 in AL Amyloidosis and other serious diseases

- Ex-NCI/NIH scientists designed cell therapy for benign tolerability, being developed by Immix
- Scientific advisors from Stanford, Memorial Sloan Kettering, Columbia, Tufts, UCLA
- Experienced management; board members with recent pharmaceutical acquisitions experience

Sterically-optimized, proprietary CAR-T construct from N-GENIUS platform

- Immix N-GENIUS platform produced NXC-201
- NXC-201 is our lead, sterically-optimized CAR-T with "digital filter" that reduces non-specific activation
- NXC-201 CAR-T construct provides barrier to entry

Sizable AL Amyloidosis market

- Relapsed/refractory AL Amyloidosis: 30,000 U.S. patient prevalence
- Adding ~2,700 U.S. patients per year (~Billion-dollar annual market increase)
- Established billing code for BCMA CAR-T: \$425,000 per dose
- Typical NXC-201 patient has failed front-line therapy (age >65)

NXC-201: The only CAR-T in development for AL amyloidosis

- No drugs are FDA approved today in relapsed/refractory AL Amyloidosis
- We believe NXC-201 clinical results to-date significantly improve treatment options for relapsed/refractory AL Amyloidosis patients

Significant Near-Term Milestones



3Q26

Prior

- Secured rights to NXC-201, N-GENIUS platform
- FDA Orphan Drug Designation (ODD) and **Regenerative Medicine Advanced Therapy** (RMAT) Designation Granted
- **Mentioned in New England Journal of Medicine** (NEJM) AL Amyloidosis Review
- Reported ex-U.S. NEXICART-1 AL Amyloidosis data at ASGCT 2023, ASH 2023, ASGCT 2024, ASH 2024, JCO published 2024
- NEXICART-2 U.S. AL Amyloidosis clinical trial first 6 patients dosed; first patient at Memorial Sloan **Kettering Cancer Center**
- Reported first 4 patients U.S. NEXICART-2 AL Amyloidosis clinical data Q4 2024

2Q25 3Q25 4Q25 1Q26 2Q26 4Q25/1Q26 2Q/3Q 2025 2Q/3Q 2026 NXC-201 NXC-201 NXC-201 Initial Clinical Data in **U.S. NEXICART-2 U.S. NEXICART-2** Trial Other Serious Diseases >12 patients interim readout

Additional Academic Trial Sites Added

40 patients final readout

Trial

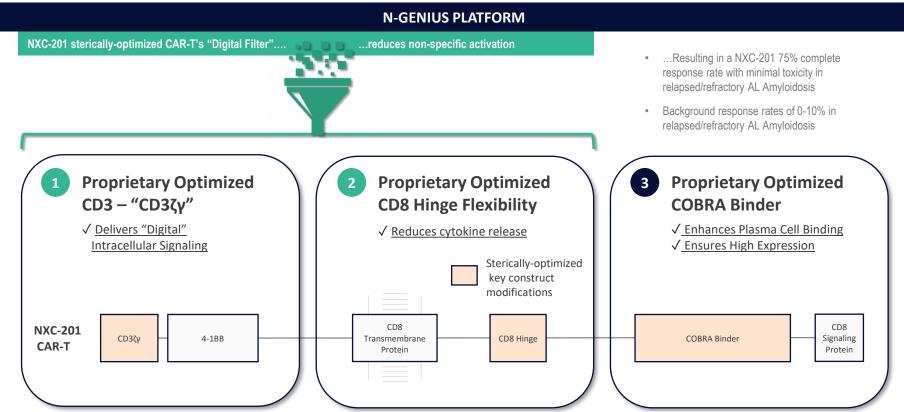


Planned FDA **Approval Submission** (BLA)

N-GENIUS Platform: Sterically-Optimized CAR-T construct "Digital Filter" reduces non-specific activation, leading to better tolerability

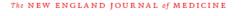


ALL BCMA CAR-TS ARE NOT CREATED EQUAL



NXC-201 Referenced in June 2024 New England Journal of Medicine Publication





REVIEW ARTICLE

Dan L. Longo, M.D., Editor

Systemic Light Chain Amyloidosis

Vaishali Sanchorawala, M.D.

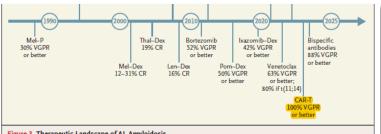


Figure 3. Therapeutic Landscape of AL Amyloidosis.

The therapeutic landscape of AL amyloidosis has seen substantial expansion in the past three decades. The majority of treatment regimens are adapted from myeloma therapies, with a focus on targeting the underlying plasma cell clone. Hematologic response has improved significantly with more effective and contemporary treatments, contributing to an overall increase in survival and a reduction in the rate of early death. CAR-T denotes chimeric antigen receptor T-cell therapy, CR complete hematologic response. CTD cyclophosphamide—thalidomide—dexamethasone, CyBorD cyclophosphamide-bortezomib-dexamethasone, HDM-SCT high-dose melphalan and stem-cell transplantation, Ixazomib—Dex ixazomib—dexamethasone, Len—Dex lenalidomide—dexamethasone, Mel—Dex melphalan dexamethasone, Mel-P melphalan-prednisone, Pom-Dex pomalidomide-dexamethasone, Thal-Dex thalidomidedexamethasone, and VGPR very good partial hematologic response.

tory AL amyloidosis; a multinational retrospective case series. Blood 2024:143: 734-7.

86. Kfir-Erenfeld S. Asherie N. Grisariu S. et al. Feasibility of a novel academic ECMA-CART (HBI0101) for the treatment of relapsed and refractory AL amyloidosis. Clin Cancer Res 2022;28:5156-66.

87. Nuvolone M, Nevone A, Merlini G. Targeting amyloid fibrils by passive immunotherapy in systemic amyloidosis.

Footer Sanchorawala et al. Systemic Light Chain Amyloidosis. New England Journal of Medicine. June 2024.

TREATMENT OF RELAPSE AND PROGRESSION AFTER

No consensus has been established on the crite-

ria for commencing second-line therapy in patients with progressive disease after initial therapy.73,74 Patients with relapsed disease can be treated by repeating first-line therapy if the re-

sponse lasted for more than a year, although

such patients have a shorter time to relapse with-

out a reduction in overall survival than patients

who are treated with a different therapy for re-

The potential options available for the treat-

ment of relapsed systemic AL amyloidosis include

proteasome inhibitors,75,76 anti-CD-38 monoclo-

nal antibodies,77,78 immunomodulatory agents,79

venetoclax for patients with t(11;14),80 bendamus-

tine,81 high-dose melphalan with autologous

SCT, 82,83 bispecific antibodies, 84,85 and even chime-

ric antigen receptor T-cell therapy.86 Although it is

not possible to be prescriptive regarding the se-

quencing of therapies, the two guiding consider-

ations are the depth and duration of the initial

response and the choice of a class of agents not

previously used. The limitations imposed by a

patient's reduced level of fitness or frailty and

end-organ damage must also be considered. En-

rollment in clinical trials is encouraged.

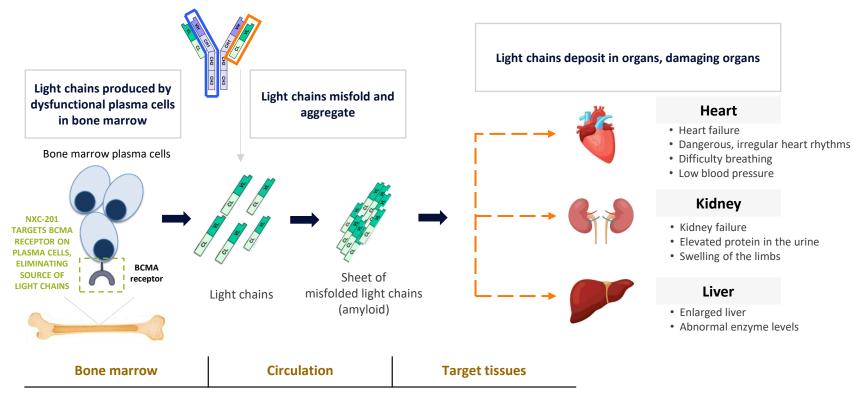
INITIAL THERAPY

lapsed disease.

AL Amyloidosis: ~33,000 Relapsed/Refractory U.S. Patients with No FDA Approved Drugs



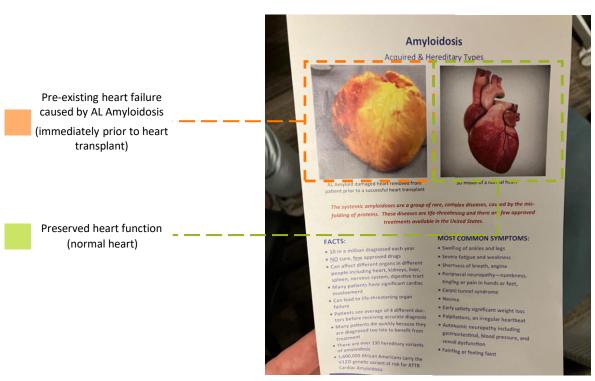
NXC-201 TARGETS AL AMYLOIDOSIS PLASMA CELLS THAT EXPRESS BCMA ON CELL SURFACE



This Is Heart Failure Caused by AL Amyloidosis



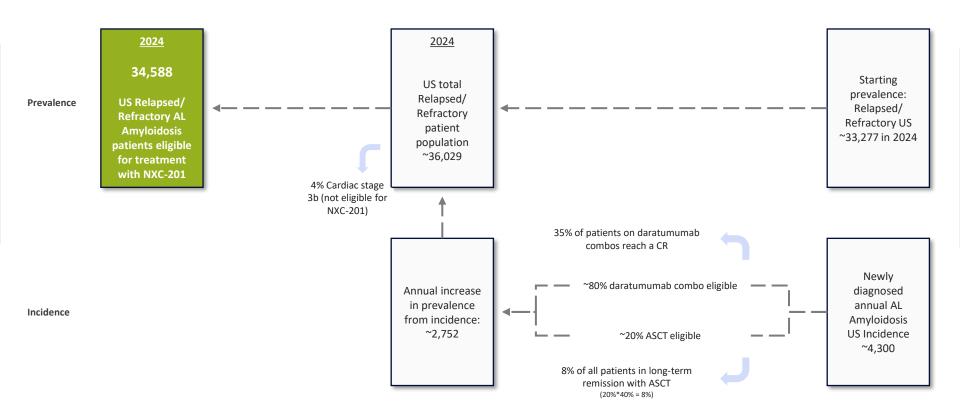




- ✓ AL Amyloidosis is a serious, life threatening disease that, when untreated, leads to organ failure including heart, liver, and kidneys (heart shown here)
- ✓ Goal of treatment with NXC-201 is to treat early enough to prevent reaching heart failure stage shown here (just after 1st line therapy) ("preexisting heart failure")

NXC-201 Addresses Sizable U.S. Relapsed/Refractory AL Amyloidosis Patient Population (1/2)





Source: Incidence and prevalence: Quock T et al. Epidemiology of A. amyloidosis: a real-world study using using the U.S.A: A Real-World Alamykis Ullizing Electronic Health Records (EHR), Blood 2023. Daratumumab: Bellotfore C, et al. A real-life study of daratumumab combinations in newly diagnosed patients with light chain (A.) amyloidosis. A Heart-Morlo Oncol. 2024. Chiar Box of the U.S.A: A Real-World alamy diagnosed patients with light chain (A.) amyloidosis. Heart-may in Al. amyloidosis. A restrictioner's perspective. Expert Review of Hennatology 2022. Guistine J et al. Predictors of henatology or some and survival with stem cell transplantation in A. amyloidosis: A 25-year longitudinal study. AlH 2022. Mayo staging: Zamwar S, et al. Treatment patterns for Mathy All 2022. Mayo staging: Zamwar S, et al. Treatment patterns for Mathy All 2022. Mayo staging: Zamwar S, et al. Treatment patterns for Mathy All 2022. Mayo staging: Zamwar S, et al. Treatment patterns for Mathy All 2022. Mayo staging: Zamwar S, et al. Treatment patterns for Mathy All 2022. Mayo staging: Zamwar S, et al. Treatment patterns for Mathy All 2022. Mayo staging: Zamwar S, et al. Treatment patterns for Mathy All 2022. Mayo staging: Zamwar S, et al. Treatment patterns for Mathy All 2022. Mayo staging: Zamwar S, et al. Treatment patterns for Mathy All 2022. Mayo staging: Zamwar S, et al. Treatment patterns for Mathy All 2022. Mayo staging: Zamwar S, et al. Treatment patterns for Mathy All 2022. Mayo staging: Zamwar S, et al. Treatment patterns for Mathy All 2022. Mayo staging: Zamwar S, et al. Treatment patterns for Mathy All 2022. Mayo staging: Zamwar S, et al. Treatment patterns for Mathy All 2022. Mayo staging: Zamwar S, et al. Treatment patterns for Mathy All 2022. Mayo staging: Zamwar S, et al. Treatment patterns for Mathy All 2022. Mayo staging: Zamwar S, et al. Treatment patterns for Mathy All 2022. Mayo staging: Zamwar S, et al. Treatment patterns for Mathy All 2022. Mayo staging: Zamwar S, et al. Treatment patterns for Mathy All 2022.

NXC-201 Addresses Sizable U.S. Relapsed/Refractory AL Amyloidosis Patient Population (2/2)





Note: Public information development plans as of 2023. Dara-CyPort: Daratumumab, Bortezomib + cytophosphamide - deamethasone. BMD: Daratumumab, Bortezomib + cytophosphamide - deamethasone. Source: Dima D, et al. Diagnostic and Treatment Strategies for AL Amyloidosis in an Era of Therapeutic Innovation. LOO Oncol Pract. 2023; Immenez-Zepeda VH, et al. Understanding real-world treatment in All amyloidosis parter in a supervision of the control of the con

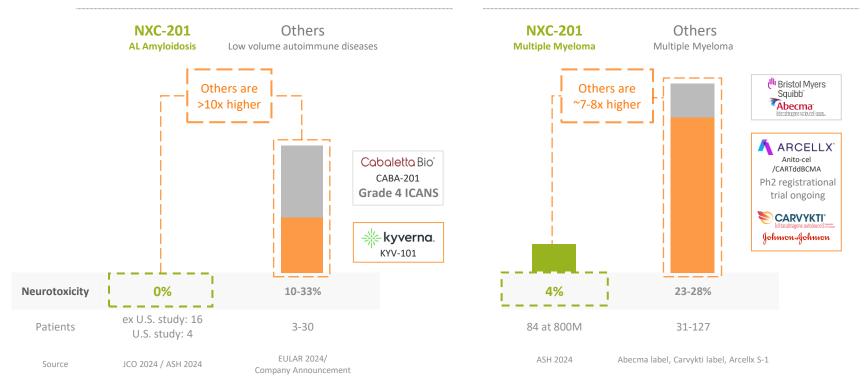
NXC-201 Advantage: Overcoming Neurotoxicity

ALL BCMA CAR-TS ARE NOT CREATED EQUAL



LOW VOLUME DISEASE

HIGH VOLUME DISEASE



Source: Caraykti and Abecma FDA labeks, Arreclik S-1. Assayage, at al. European Society for Blood and Marrow Transplantation of 9th Annual Meeting, Lebel E, et al. Efficacy and Safety of a Locally Produced Novel Anti-BCMA Chimeric Antigen Receptor T-Cell (CART) (InbiD011) for the Treatment of LC Amyloidosis. 27th Annual Meeting, Lebel E, et al. Efficacy and Safety of a Locally Produced Novel Anti-BCMA Chimeric Antigen Receptor T-Cell (CART) (InbiD011) for the Treatment of Relapset and Refractory Multiple Myeloma, International Myeloma Society 20th Annual Meeting, 2023. Difference exist between trial as subject constrained and subject of a caution should be exercised when comparing data across stream of the produced Novel Anti-BCMA Chimeric Antigen Receptor T-Cell (CART) (InbiD011) for the Treatment of LC Amyloidosis. 27th Annual Meeting, 2023. Difference exist between trial as subject to the caution should be exercised when comparing data across stream of the comparing of the Annual Meeting. 2023. Difference exist between trial as subject to head study. Kyverna corporate presentation. Investigation and the comparing and subject to head study. Kyverna corporate presentation used 14, 2024. Accessed through these subject of the comparing and not results from a head-to-head study. Kyverna corporate presentation used 14, 2024. Accessed through these subject of the comparing and not results from a head-to-head study. Kyverna corporate presentation used 14, 2024. Accessed through these subject of the comparing and not results from a head-to-head study. Kyverna corporate presentation used 14, 2024. Accessed through these subjects are subject to the comparing and not results from a head-to-head study. Kyverna corporate presentation used 14, 2024. Accessed through these subjects are subject to the comparing and not results from a head-to-head study. Kyverna corporate presentation used 14, 2024. Accessed through these subjects are subject to the comparing thead study. Kyverna corporate presentation in the subject to the s

NXC-201 Tolerability Drives AL Amyloidosis Leadership

ALL BCMA CAR-TS ARE NOT CREATED EQUAL



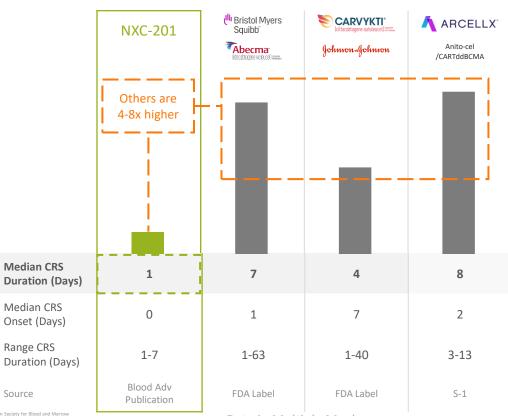
NXC-201's short CRS duration makes it **uniquely suitable to treat ALA patients** (in whom the #1 source of mortality is heart failure)

Cardiovascular stress is the key determinant for ability to treat relapsed/refractory ALA patients

- Long CRS duration causes extended cardiovascular stress
- Other CARTs have 4-8x longer CRS duration

"The biggest challenge ... has been applicability of these therapies in amyloidosis when the patients are particularly frail and have organ dysfunction ... where the key lies in the safety rather the efficacy in a low-volume disease setting is going to be key ..."

Dr. Susan Bal, MD
 Assistant Professor, Hematology
 University of Alabama at Birmingham



Source: M. Assayag, et al. Point-of-care CART manufacture and delivery for the treatment of multiple myeloma and Al. amyloidosis: the experience of Hadassah Medical Center. European Society for Blood and Marrow Transplantation 49th Annual Meeting. Poster Presentation. April 2023. Nov 2023 KOL discussion https://lifescievents.com/event/immixbio/;NXC-201 (formerly HBI0101) American Society of Hematology Presentation, Abecma FDA approval label, Carrykti FDA approval label, Carry

Data in Multiple Myeloma

Pipeline: Only CAR-T in AL Amyloidosis; Expanding To Other Serious Diseases



Lead Program: NXC-201, a next-generation BCMA-targeting CAR-T for AL Amyloidosis and Other Serious Diseases

Indication	Therapy	Pre-clinical	Phase 1	Phase 2	Upcoming Milestones
Relapsed/Refractory AL Amyloidosis	NXC-201	US FDA and EU EC Orphan Drug De	esignation (ODD)		 2Q/3Q 2025: Report interim clinical data readout for NEXICART-2 trial in AL Amyloidosis 2Q/3Q 2026: Report final topline clinical data readout for NEXICART-2 trial in AL Amyloidosis
Undisclosed select Other Serious Diseases	NXC-201	IND enabled			4Q 2025: Report NXC-201 interim clinical data in unaddressed immune-mediated diseases
Other Emerging Pipe	eline				
Preclinical Candidates	Not yet announced				

World-Class Team

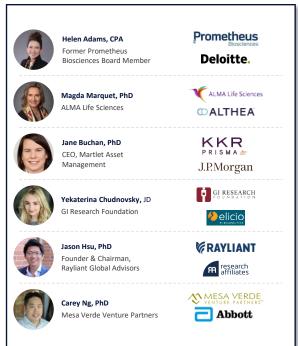


Management

Board of Directors

Scientific Advisory Board







U.S. NEXICART-2 Trial Designed Based on ex-US NEXICART-1 Trial Experience



NXC-201 clinical data indicate that R/R Amyloidosis patients with preserved heart function are more likely to benefit from treatment

Relapsed/Refractory AL Amyloidosis NXC-201 trial	Allows pre-existing severe cardiac patient enrollment?	Allows patients with prior BCMA-targeted therapy exposure?	Allows patients with concomitant Multiple Myeloma?
NEXICART-1: ongoing Israel trial	X Yes	X Yes	X Yes
NEXICART-2: ongoing US trial	√No	√ No	✓ No

NEXICART-2: 40 patient, single-arm, multi-site, US trial -> submit data to FDA

NEXICART-2: <u>US</u>

CAR-T NXC-201 Clinical Trial



NEXICART-2 U.S. Relapsed/Refractory AL Amyloidosis Trial (NCT06097832)

NEXICART-2 NXC-201 TRIAL INITIATED IN MID-2024



Study design

- · Open-label, single-arm Phase 1b/2 study
- n=40 patients (majority of which expected to be enrolled in Phase 2 portion)

Key criteria

Inclusion

 AL Amyloidosis patients exposed to at least 1 line of therapy including a CD38 monoclonal antibody

Evolusion

- Prior anti-BCMA directed therapy
- Cardiac: Mayo stage 3b, NYHA stage III/IV
- · Concomitant Multiple Myeloma

Outcome measures

- Phase 1b:
- Safety
- Efficacy: Complete Response according to consensus recommendations in AL amyloidosis
- Phase 2:
 - Efficacy: Complete Response according to consensus recommendations in AL amyloidosis
- Safety

Status

Lead site Memorial Sloan Kettering and other US sites started mid-2024



*Dosing informed by NEXICART-1 Israel trial in which Complete Responses in light chain Amyloidosis were observed at all dose levels: 150M, 450M

Relapsed/Refractory AL Amyloidosis NXC-201 trial	Allows pre-existing severe cardiac patient enrollment?	Allows patients with prior BCMA-targeted therapy exposure?	Allows patients with concomitant Multiple Myeloma?
NEXICART-1: ongoing Israel trial	XYes	XYes	X Yes
NEXICART-2: ongoing US trial	√No	✓ No	√ No

Company believes
NEXICART-2 patients
are most likely to
benefit from
NXC-201 therapy

NEXICART-2: Patient enrollment focused on patients with preserved heart function



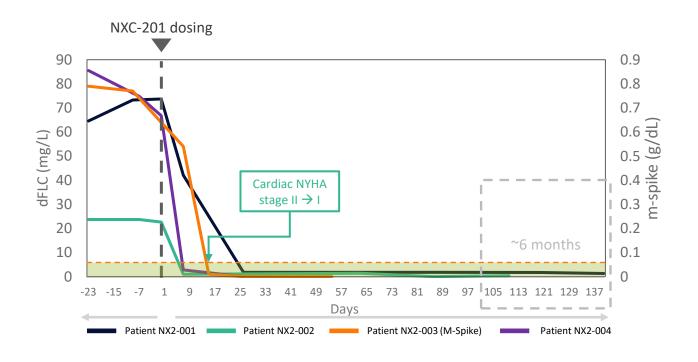


Preserved heart function

Patient #	NX2-001	NX2-002	NX2-003	NX2-004	Median (range)
Age	56	67	82	64	66 (56-82)
Gender	Female	Female	Male	Female	- -
Prior lines of therapy	4	6	2	4	4 (2-6)
Follow up (days)	141	113	57	29	85 (29-141)
dFLC (mg/L)	65	24	-	86	65 (24-86)
M-Spike (g/dL, if dFLC not inclusion criteria)	-			-	-
FISH cytogenetics	1q21+	1q21+	1q21+	-	-
Organ involvement	Heart	Heart	Kidney	Heart	-
NYHA stage	I	II	ı	I	-
NT-ProBNP (pg/mL)	146	560	1,297	218	389 (146-1,297)
hs-Troponin-I (ng/L)	7	6	42	7	7 (6-42)
Creatinine (mg/dL)	0.7	1.1	2.2	1.8	1.5 (0.7-2.2)
Albuminuria (mg/24 hrs)	143	0	3,032	10	77 (0-3,032)
Alk Phos (U/L)	94	40	73	83	78 (40-94)
MAYO stage	Stage II	Stage II	Stage II	Stage IIIA	-

NEXICART-2 Efficacy: Rapid Normalization of Diseased Light Chains within First ~Month; Consistent with Ex-US Dataset







The NEW ENGLAND JOURNAL of MEDICINE

"An early and deep hematologic response has been found to lead to significantly prolonged survival"

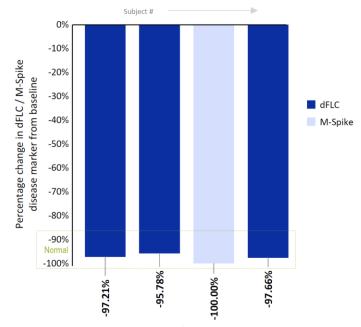
Vaishali Sanchorawala, M.D.
 Professor, Hematology and Oncology
 Director, Amyloidosis Center at Boston
 University School of Medicine
 Director, Stem Cell Transplantation at
 Boston Medical center

doi: 10.1056/NEJMra2304088

NEXICART-2 Efficacy: Rapid Normalization of Diseased Light Chains within First ~Month; Consistent with Ex-US Dataset

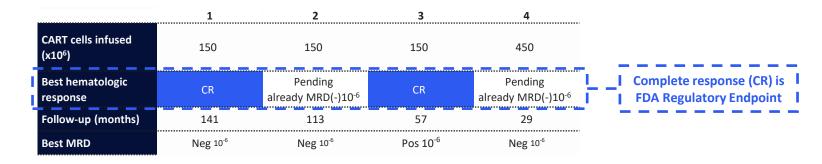


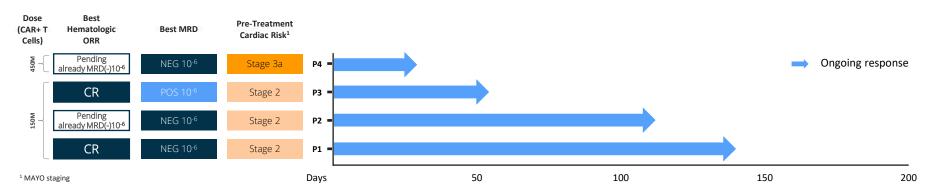
	Subject #	NX2-001	NX2-002	NX2-003	NX2-004
	NXC-201 Dose (million CAR+T cells)	150	150	150	450
AL Amyloidosis	Status as of data cutoff	Normal	Normal	Normal	Normal
Disease Markers	Time to normalization (days)	26	7	15	7
	Response Status	CR	Pending (already MRD(-)10 ⁻⁶)	CR	Pending (already MRD(-)10 ⁻⁶)



NEXICART-2 Efficacy: Complete Responses in Two Patients and Remaining Two MRD- 10⁻⁶; All Patients in Ongoing Response as of Data Cut-off







Note: Data cut-off as of December 17, 2024. Premixumar VI, et al. Venetodax induces deep hematologic remissions in [11]. and oi: 10.1038/s41408-020-00397-w. PMID: 33431806; PMCID: PMC7801694. Theodorakakou F, et al. Outcomes of patients with light chain (AL) amyloidosis after failure of daratumumab-based therapy, 8f 1 hematol. 2023 Nov. 95. [10]. 10.1111/jbii.1906. Equit 2023 April 2023 April

NEXICART-2 Safety: Consistent or Improved Compared to Ex-US Dataset

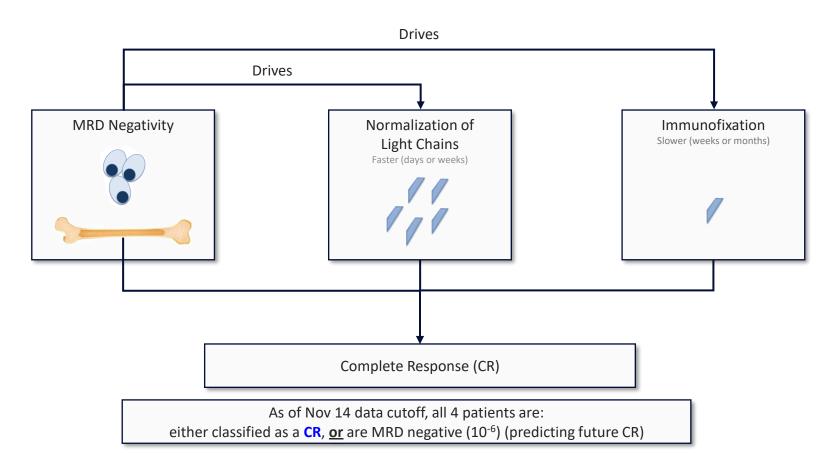


- · No ICANS neurotoxicity of any kind
- Grade 2 CRS in one patient, Grade 1 CRS in one patient, both with 1 day duration

Patient #	NX2-001	NX2-002	NX2-003	NX2-004
CART Cell Dose (x10 ⁶)	150	150	150	450
Neurotoxicity	None	None	None	None
Cytokine release syndrome (CRS)	None	None	Grade 2	Grade 1
CRS Onset (days)	-	-	3	3
CRS Duration (days)			1	1
Neutropenia	Grade 3	Grade 3	Grade 3	Grade 4
Febrile Neutropenia	None	None	None	None
Anemia	Grade 1	Grade 2	Grade 3	Grade 1
Thrombocytopenia	Grade 1	Grade 1	None	Grade 1
Acute kidney failure	None	None	None	None
Liver Function Test Abnormalities	Grade 2	None	None	None
Serious Infections	None	None	None	None
Fatigue	None	None	None	None

NEXICART-2: Drivers of Complete Response (CR) in relapsed/refractory AL Amyloidosis





Single-arm potentially pivotal NEXICART-2 trial designed considering NEXCIART-1 and precedents in AL



		2021 daratumumab (DARZALEX) FDA Approval	NXC-201 NEXICART-2				
	Line of Therapy	Newly Diagnosed	Relapsed/Refractory				
	Standard of Care (SoC) at time of trial	3-drug combination: Cyclophosphamide, bortezomib, dexamethasone	✓ None (no FDA approvals)				
Patient Characteristics	Randomization vs. Standard of Care?	X Randomization vs. SoC	✓ No SoC to randomize against				
	Lines of therapy prior to receiving study drug	x None	✓ At least 1 line of therapy including a CD38 monoclonal antibody				
Study Design	Statistical Power	Based on the assumption that the percentage of patients with a hematologic complete response would be 15 percentage points higher in the daratumumab group than in the control group; approximately 360 patients were required to provide 85% power to detect this difference (two-sided alpha level of 0.05).					
	Primary Endpoint	✓ Hematologic complete response rate for both studies					

Single-arm, open-label FDA approval precedents include: Abecma/BMS (single arm study 100 patients in efficacy results population, FDA approved 2021); Carvykti/J&J (single arm study 97 patients in efficacy results population, FDA approved 2022); Elrexfio/Pfizer (single arm study 97 patients in efficacy results population, FDA approved 2023)

NEXICART-1: <u>Ex-US</u>

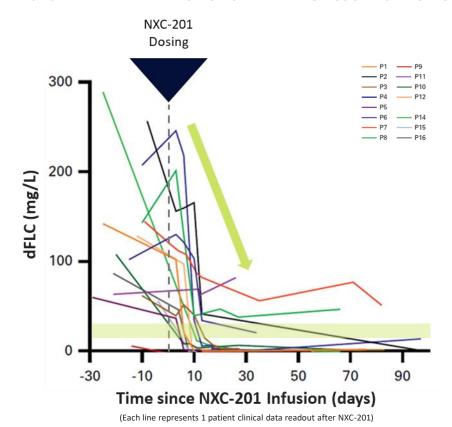
CAR-T NXC-201 Clinical Trial



NEXICART-1: Normalization of Diseased Free Light Chains 30 Days after Dosing

IMM X

NXC-201 RAPIDLY ELIMINATES DISEASED AL AMYLOIDOSIS PLASMA CELLS AND EXITS WITHIN ~30 DAYS





"An early and deep hematologic response has been found to lead to significantly prolonged survival"

Vaishali Sanchorawala, M.D.
 Professor, Hematology and Oncology
 Director, Amyloidosis Center at Boston University School of Medicine
 Director, Stem Cell Transplantation at Boston Medical center

doi: 10.1056/NEJMra2304088

NEXICART-1: 6 patients had pre-existing heart failure; 10 patients had preserved heart function I



PRE-EXISTING HEART FAILURE CAUSES PHYSICALLY IRREVERSIBLE DISTORTION OF HEART STRUCTURE, SHAPE AND SIZE

Preserved heart function



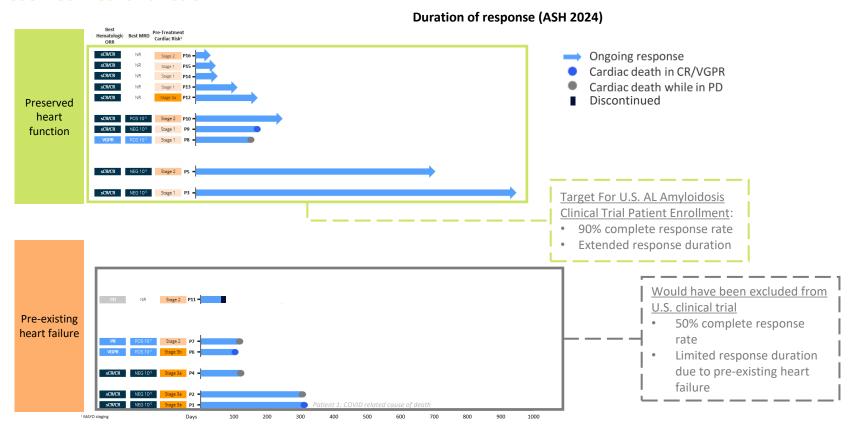
Pre-existing heart failure

Patient #	4	2	2		-	6	7	0	0	10	44	12	42	14	15	16	Median (range)
	1 64	2 58	3 82	4 63	5 64	7 2	55	8 68	9 78	10	11 64	64	13 63	14 67	15 70	58	EA (EE 02)
Age	04	58	02	03	04	72	33	08	/٥	59	04	04	03	07	70	36	64 (55-82) 11/16 M
Gender	Male	Female	Male	Male	Male	Female	Female	Male	Male	Male	Female	Male	Female	Male	Male	Male	5/16 F
Prior lines of therapy	8	6	6	10	3	4	4	7	4	3	8	4	4	3	6	3	4 (3-10)
dFLC (mg/L)	143	177	50	550	51	103	196	408	41	108	64	129	83	275	49	86	106 (41-550)
BMPCs (%)	3	15	1	15	0.1	1	1	10	15	1	1	1	0.5	1.5	0.5	0.3	1 (0.1-15)
FISH cytogenetics	t(11:14)	t(14:16) 1Q+	14Q-	t(11:14)	t(11:14)	t(11:14) 1Q+	14Q-	17p-	Normal	17p-	t(4:14) 1Q+	t(11:14)	t(11:14)	Normal	t(11:14)	Normal	7/16 (44%) t(11:14)
Organ involvement	Cardiac, Renal, PNS	Cardiac, Renal, Liver	Renal, GI	Cardiac, Liver, Lung, Soft tissue, PNS	Cardiac, Soft tissue, PNS	Cardiac, Renal, Liver	Cardiac, Soft tissue	Cardiac, Renal, Soft tissue	Renal	Cardiac, Renal, PNS	Cardiac, Renal, GI, Liver, Soft tissue, PNS	Cardiac, Renal	Cardiac, Renal, Soft tissue, GI	Liver	Cardiac, PNS, GI	Cardiac, Renal, GI, Liver	Heart: 13/16 (81%) Kidney: 11/16 (69%) Liver: 6/16 (38%)
NYHA stage	3	4	1	3	2	4	4	2	1	2	2	1	2	3	2	2	1-2: 10/16 (38%) 3: 3/16 (19%) 4: 3/16 (19%)
ProBNP (pg/ml)	7,500	2,008	119	2,773	731	28,000	6,600	220	930	669	211	3,158	281	191	107	964	831 (107-28,000)
Trop T (ng/L)	60	40	8	78	18.3	110	30	12	9	8	20						
Creatinine (mmol\L)	80	72	110	100	82	108	83	69	220	227	79						
Albuminuria (g/24h)	0.3	0.3	2.4	0.1	0.1	1.0	0	0	0.3	1.4	0						
ALKP (u/L)	45	218	84	140	84	186	166	106	160	59	160						
MAYO stage	3a	3a	1	3a	2	3b	2	1	1	2	2	3a	1	1	1	2	
ECOG PS	0	2	0	0	1	2	4	0	1	1	1	1	1	2	0	1	1 (0-4)
Concomitant MM	Yes	no	no	No	yes	no	No	no	no	no	no	no	no	no	no	no	2/16
Compassionate use	No	no	no	yes	no	no	ves	no	no	no	no	no	no	no	no	no	2/16

NEXICART-1 NXC-201 Produces Durable Complete Responses in Patients with



Preserved Heart Function



sCR: strict complete response, CR: complete response

NEXICART-1: 75% Complete Response Rate (is the FDA Regulatory Endpoint)





Patient #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
CART cells infused	150	450	800	450	800	800	800	800	800	800	800	800	800	800	800	800
Best hematologic response	CR	CR	CR	CR	CR	VGPR	PR	VGPR	CR	CR	PD	CR	CR	CR	CR	CR
Follow-up (months)	10.3	10.2	31.5, ongoing	4.0	24.0, ongoing	3.3	3.8	5.5	6.0	8.7, ongoing	1.3	6.2, ongoing	4.2, ongoing	2.2, ongoing	2.0, ongoing	1.5, ongoing

Complete response (CR) is FDA (CR) Regulatory Endpoint I

- **75% (12/16) Complete Response (CR) rate** (9 out of 16 were MRD- 10⁻⁵)
- Best responder: 31.5 months complete response ongoing as of December 9, 2024 cut-off
- Historical complete response rates for investigator's choice is ~3-20%

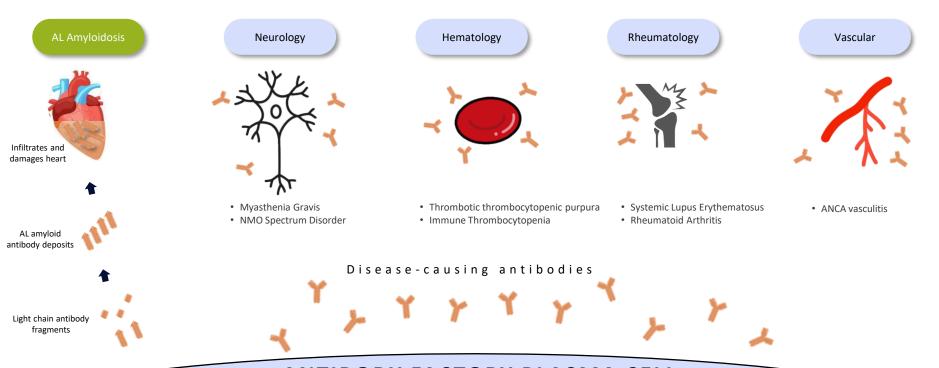
NXC-201: Potential to Expand to Other Serious Diseases



CAR-T NXC-201 Targets Plasma Cells (antibody factories of the body)



ANTIBODY FACTORY PLASMA CELLS PRODUCE ANTIBODIES THAT DRIVE IMMUNE-MEDIATED DISEASES





ANTIBODY FACTORY PLASMA CELL

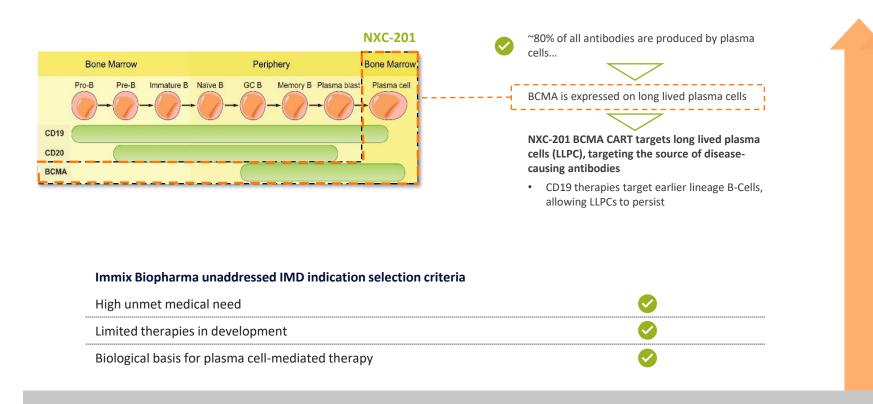
(NXC-201 therapeutic target)

Note: select indications noted above are for illustrative nurnoses only.

NXC-201 BCMA CAR-T targeting is uniquely suited to address Other Serious Diseases



NXC-201 BCMA CAR-T TARGETS OTHER DISEASE CAUSING LONG-LIVED PLASMA CELLS



Appendix 1: Technology

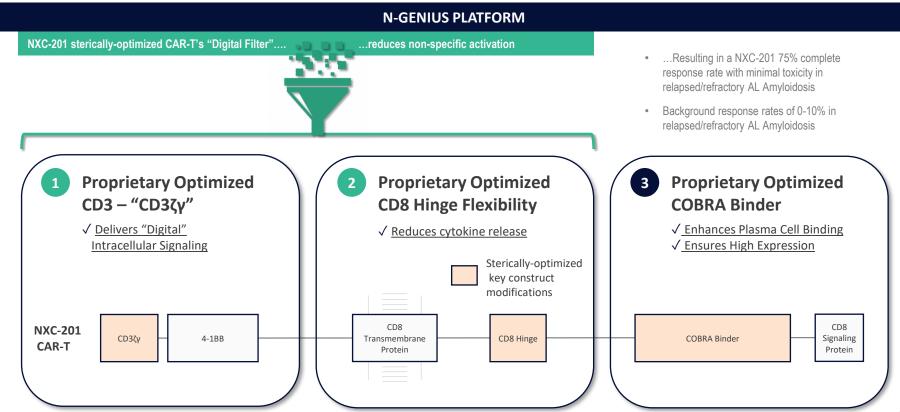
April 2025



N-GENIUS Platform: Sterically-Optimized CAR-T construct "Digital Filter" reduces non-specific activation, leading to better tolerability



ALL BCMA CAR-TS ARE NOT CREATED EQUAL







Proprietary Sterically-Optimized CD3ζ + CD8 Delivers "Digital" Intracellular Signaling, Eliminates Neurotoxicity, Reduces CRS Duration





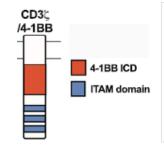
CARs rely on activation of CAR-T cells through CD3 ζ derived immunoreceptor tyrosine-based activation motifs (ITAMs), typically 3 ITAM motifs per CAR

NXC-201 adds a positively charged amino acid (lysine) next to a tyrosine phosphorylation site, therefore:

- ✓ Impeding phosphorylation of ITAM1 (by affecting protein folding dynamics which block the tyrosine site), thus reducing intracellular reactivity
- √ Adding an additional site for ubiquitination, allowing the CAR to be marked for degradation more rapidly that a traditional CAR

The combined effect of these modifications is to drive a "digital" signaling of extracellular activity, that is on when antigen is present and off when not

Modification of ITAMs is a common theme in third-generation CAR design, with publications in Nature Medicine and by Memorial Sloan Kettering on the topic



nature Signal Transduction and Targeted Therapy

"In activated T cells, the CD3ζ chain gets ubiquitinated by CBLB at its multiple lysine residues and induces degradation of surface TCRs"

doi: 10.1038/s41392-021-00823-w





Memorial Sloan Kettering Cancer Center

"We hypothesized that the redundancy of CD28 and CD3 ζ signaling in a chimeric antigen receptor (CAR) design incorporating all three CD3 ζ immunoreceptor tyrosine-based activation motifs (ITAMs)11,13 may foster counterproductive T cell differentiation and exhaustion. Therefore, we calibrated ITAM activity by mutating tyrosine residues to impede their phosphorylation and downstream signaling"

doi: 10.1038/s41591-018-0290-5

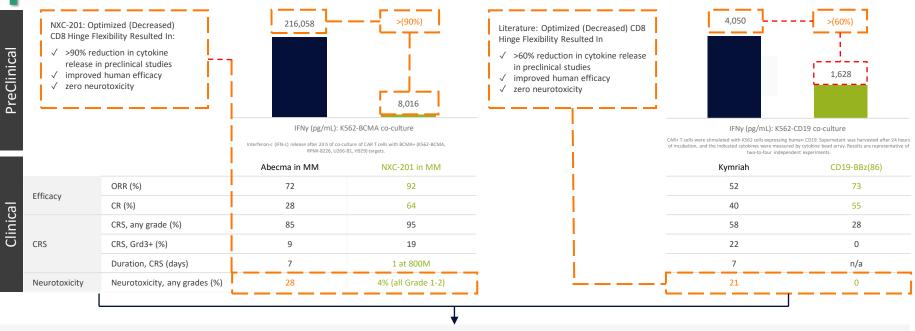




Proprietary Sterically-Optimized CD3ζ + CD8 Delivers "Digital" Intracellular Signaling, Eliminates Neurotoxicity, Reduces CRS Duration







Sterically-optimized (Decreased) CD8 Hinge Flexibility Results in Zero Neurotoxicity, Improved Human Efficacy, and reduction in CRS duration

MM: multiple myeloma

Source: E Lebel et al. Efficacy of HBI0101, an Anti-ECMA Chimeric Antigen Receptor T-Cell (CART) for Relapsed/Refractory Multiple Myeloma. Abstract. ASH 2024 S. Kiff-Fernfeld et al. Clinical evaluation and determinants of response to HBI0101 (BCMA CART) therapy in relapsed/refractory multiple myeloma. Blood Adv. 2024 Aug 13;8(15):407-4088. doi: 10.1182/bloodadvances.2024012967. Ving 2, et al. Nat Med. 2019; Shuster S., et al. N Engl J Med. 2019; Assayag, M., et al EBMT 2023; Abecma FDA label; Harush 0, et al. Haematologica. 2022; Friedman KM, et al. Hum Gene Ther. 2018. Kymriah: Preclinical is an average of CD8+ and CD4+T-cells, Source: Milone MC, et. Al. Mol Ther. 2009 Aug; 17(8):1453-64. doi: 10.1038/mi.2009.83. Epub 2009 Apr 21. Erratum in: Mol Ther. 2015 Jul; 23(7):1278. PMID: 1938-401; PMCD: PMC2005.64. 'L 13 Dy KS Occurred in high dose MM Cohort as of EBMT 2023. NXC-2011 multiple myeloma data from ASH 2023 SVK. Oxion multiple myeloma data from ASH 2023 SVK. PMC and the heavy exposure.

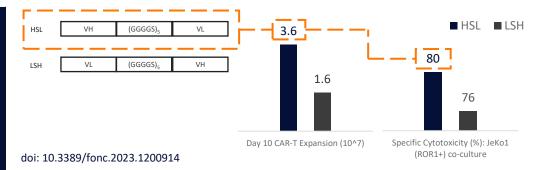


Sterically-Optimized COBRA Binder Ensures High Expression And Binding Affinity



COBRA Binder

COBRA Binder Leads with Heavy Chain



Proven Linker of Heavy and Light Chain Employed

Biomarker Research

"Glycine (Gly) and serine (Ser) residues provide the flexibility necessary for antigen-binding sites to change conformation and maintain good stability in aqueous solutions... prevent[ing] formation of secondary structures and reduc[ing] likelihood of the linker interfering with the folding and function of the scFv"

September 19, 2022

doi: 10.1186/s40364-022-00417-w

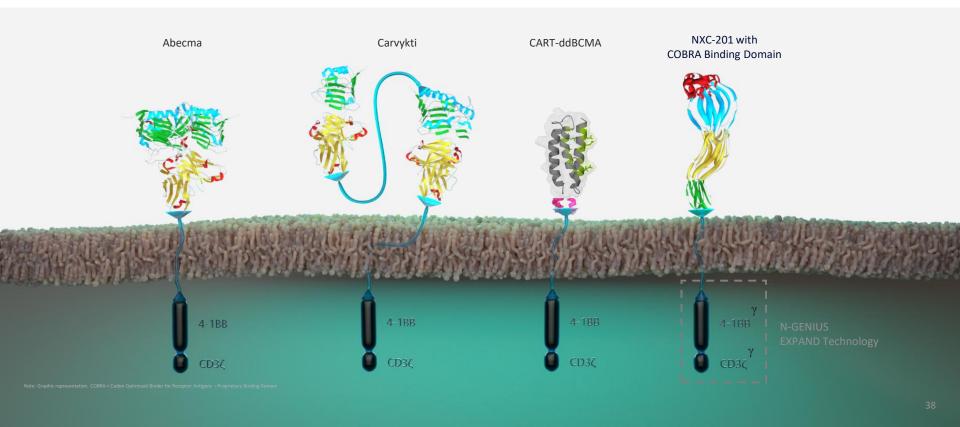
NXC-201 COBRA Binder: Heavy Chain – Proven Linker – Light Chain Configuration, enabling:

- ✓ Rapid, Sustained CAR-T Expansion
- ✓ Improved Cytotoxicity in the presence of antigen

Proprietary EXPAND Technology and COBRA Binding Domain Are Differentiated Innovations

N-GENIUS TECHNOLOGY PLATFORM: STERICALLY-OPTIMIZED BCMA CAR-T NXC-201





N-GENIUS Sterically-Optimized CARTs Drive Immix's Immune-Mediated Disease Leadership



N-GENIUS Platform

Through partnership Hadassah Medical Organization, Jerusalem and Bar-Ilan University, Immix is a pioneer in sterically-optimized CAR-T construct development, driving our next-generation industry-leading CAR-Ts in select immune-mediated diseases.

N-GENIUS developed sterically-optimized CAR-Ts allow for a differentiated safety and efficacy profile through modification of key regions of the CAR-T construct, driving a "digital" intracellular signal and overcoming limitations of current clinical stage and commercial CAR-Ts.

Portfolio of US patents, pending applications, and exclusive patent licenses, which cover our core technology platforms and product





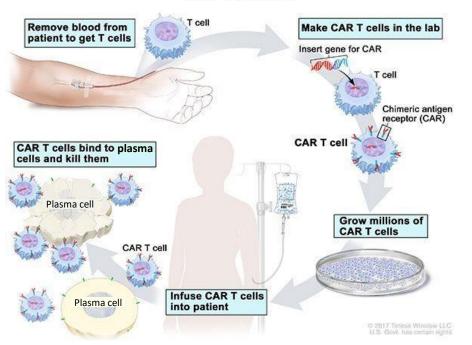


What is autologous chimeric antigen receptor (CAR)-T cell therapy?

NXC-201 IS A NEXT-GENERATION BCMA TARGETED AUTOLOGOUS CAR-T CELL THERAPY







Patient Specific

Personalized treatment using patient's own T cells

Genetic Modification

Genetically engineered CARs (chimeric antigen receptors) on T cell surface

Targeted Therapy

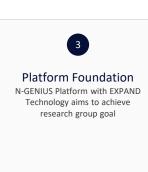
Target cells that express antigens recognized by CARs

N-GENIUS Platform Process





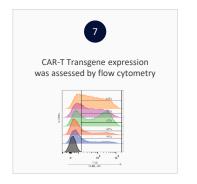


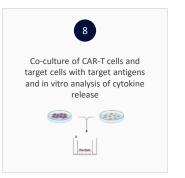


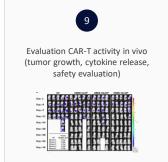














Source:: Harush O, et al. Haematologica. 2022;

Appendix 2: AL Amyloidosis Clinical



Advantages of CAR-T NXC-201 in Relapsed/Refractory AL Amyloidosis



			Antibody-drug conjugates	Bispecifics	
	One-time treatment		×	×	NXC-201
High	Complete Response Rates	Ø	×	×	uniquely suited f Relapsed/Refract
Lov	v rates of severe infection	②	Ø	×	AL Amyloidosis
	No ICANS/Neurotoxicity	⊘	⊘	×	

Source, Fessibility of a Novel Academic Anti-BCMA Chimeric Antigen Receptor T-Cell (CART) (HBI0101) for the Treatment of Relapsed and Refractory At Amyloidosis, 65th ASH Annual Meeting and Exposition, San Diego, CA. October 2023. R. Chakraborty, et al. Safety and efficacy of teclistamab in rystemic immunoglobulin light chain amyloidosis, Blood Cancer Journal. October 2023. N. Forgeard, et al. Teclistamab in relapsed or refractory At amyloidosis, and amyloidosis, and amyloidosis, and amyloidosis, and amyloidosis, and amyloidosis. Blood Cancer J. 2023 Nov 27;13(1):172. doi: 10.1038/s41408-023-00950-3. PMID: 38012151; PMCID: PM

In AL Amyloidosis, NXC-201 Overcomes Limitations of Other Modalities in Performance and Tolerability



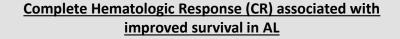
Challenges of bispecifics/ T-cell engagers **NXC-201** overcomes these challenges 75% CR in relapsed/refractory AL No clinical trials with clinical data amyloidosis available in relapsed/refractory AL amyloidosis 0 deaths from infection in relapsed/refractory AL amyloidosis Early data from select centers indicates bispecific responses and tolerability are 0% neurotoxicity (0/16) in inferior to CAR-T (NXC-201) in relapsed/refractory AL amyloidosis relapsed/refractory AL amyloidosis patients Retrospective study with 17 R/R One-time dosing with durable multiple myeloma + AL Amyloidosis patients: responses 41% CR 35% severe infections **Ongoing NEXCART-1** relapsed/refractory AL amyloidosis including death clinical trial with clinical data Grade 3 ICANS neurotoxicity presented at ASH 2024 reported Repeat/ongoing dosing with need for healthcare provider to administer

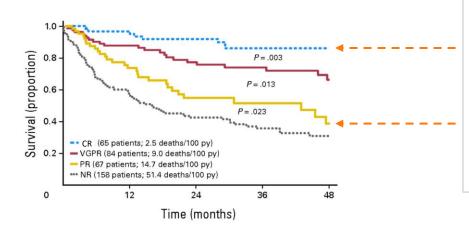
Advantages of NXC-201 CAR-T in AL Amyloidosis

Complete Hematologic Response is correlated with longer survival

COMPLETE HEMATOLOGIC RESPONSE WAS PRIMARY ENDPOINT IN 2021 DARATUMUMAB APPROVAL STUDY AND ONGOING NEXICART-2 TRIAL







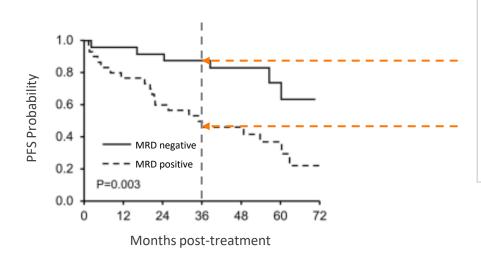
2x survival at 48 months for CR vs PR

- Complete Hematologic response patients have 85% survival at 48 months
- Partial hematologic response patients have 40% survival at 48 months

MRD- is Correlated with Improved PFS in AL Amyloidosis



MRD negativity is associated with improved Progression Free Survival in AL



2x PFS at 36 months for MRD- vs MRD+

(patients with CR or VGPR)

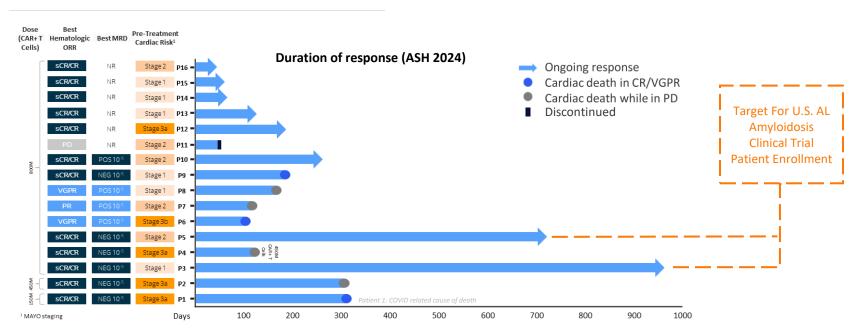
- MRD negative patients have 88% 36-month PFS
- MRD positive patients have 46% 36-month PFS

NEXICART-1: Durable Responses in NXC-201 AL Amyloidosis Clinical Trial



SWIMMER PLOT ORDER MATCHED TO ASH 2024 PRESENTATION

- Complete hematologic response (CR) of 75% (12/16), a precedent approval endpoint based on the only commercial treatment for AL
 amyloidosis
- Ongoing NEXICART-2 US trial targeting patients reflective of durable responders



sCR: strict complete response, CR: complete response

Note: E Lebel et al. Efficacy and Safety of Anti-BCMA Chimeric Antigen Receptor T-Cell (CART) for the Treatment of Relapsed and Refractory AL Amyloidosis. Presentation. ASH 2024. Patient 9 death due to depression. Patient 11 prior lines of therapy include 1) BCMA targeted ADC. 2) BCMA targeted bispecific antibody.

Principal Investigator for NEXICART-2: Heather Landau, MD





- Director of the Amyloidosis Program and a Bone Marrow Transplant Specialist & Cellular Therapist at Memorial Sloan-Kettering Cancer Center in New York.
- Authored more than 100 peer-reviewed publications.
- Dr. Landau received her medical degree from SUNY Upstate Medical University, completed her Internal Medicine residency at University of Colorado and her Hematology & Oncology fellowship at Memorial Sloan Kettering Cancer Center.

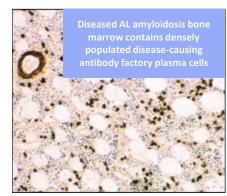
NXC-201 CAR-T cells penetrate tissues and repeat kill disease-causing cells in AL Amyloidosis



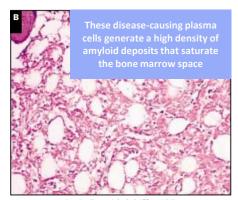
AL Amyloidosis pathologic light chains emerge from deep in the bone marrow where they are produced by pathologic antibody factory plasma cells

Traditional antibody-based therapies primarily address passively accessible target cells

NXC-201 is the only AL amyloidosis therapy in clinical development that actively penetrates deep into the bone marrow



Immunoperoxidase with hematoxylin counterstain, ×100



Periodic acid—Schiff, ×100

Antibody-based therapeutics have difficulty penetrating deep into organs where disease causing plasma cells reside

Inserm

"Plasma cells (PC) were detected in the [organs] of patients ... up to 6 months after rituximab treatment, and the PC population displayed a long-lived program"

doi:10.1172/JCI65689

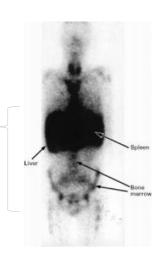
Amyloid deposits in AL Amyloidosis are cleared naturally after treatment



BEFORE TREATMENT

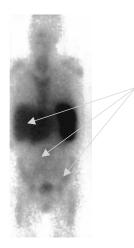
6-MONTHS AFTER TREATMENT

Pre-treatment imaging shows dense amyloid deposits in liver, bone marrow, and other organs in AL patient



Cytotoxic treatments (vincristine, adriamycin, and dexamethasone)





Post-treatment imaging shows clearance of amyloid in organs throughout the body

NXC-201 Best-in-Disease AL Amyloidosis Clinical Results



Relapsed/Refractory Light chain (AL) Amyloidosis

	: IMMIX	Johnson-Johnson	AstraZeneca CAELUM	f prothena $^{\circ}$
	NXC-201 Monotherapy	Darzalex Combination (with cyclophosphamide, bortezomib, and/or dexamethasone)	CAEL-101	Birtamimab Combined with SOC CyBorD
Dosing frequency	1X	Weekly	Weekly	Weekly
Patient #s: n=	16	9	10 (renal), 24 (cardiac)	14 (cardiac), 15 (renal)
Hematologic Overall Response Rate	94%	22%	-	-
Hematologic Complete Response Rate	75%	0%	-	-
Hematologic CR + VGPR	88%	22%	-	-
Cardiac response – (NT-proBNP median reduction)	78%		39%	35%
Renal response (%)	33%		20%	60%
Median prior lines of therapy	4	1	2	2
% pretreated with CD38-targeted treatment (Darzalex/other)	100%	100%	?	0%

Birtamimab Source from JCO (Birtamimab development paused + restarted). CAEL-101 source: Edwards CV, et al. Phase 1a/b study of monoclonal antibody CAEL-101 (11-174) in patients with AL amyloidosis. Blood. 2021 Dec 23;138(25):2632-2641. doi: 10.1182/blood.2020009039. PMID: 34521113; PMCID: PMC8703360. Darzalex source from Blood. Point-of-care CART manufacture and deliveny: Poster. Poster Presentation, ESBMT 2023. Poster ASCT 2023. Figures reflect cross-trai comparison and not results from a head-to head study. Differences exist between trial designs and subject characteristics, and caution should be exercised when comparing data across studies. Poster: IMS 2023. Poster: ASCT 2023. Darzalex and investigator's Choice: Theodorakakou, et al, Blood 2022. Astra Zeneca: Blood 2021.

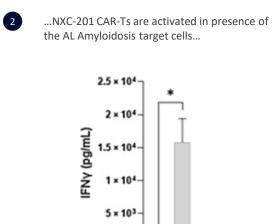
NXC-201 Designed for High Activity Against Disease-causing AL Amyloidosis Plasma Cells

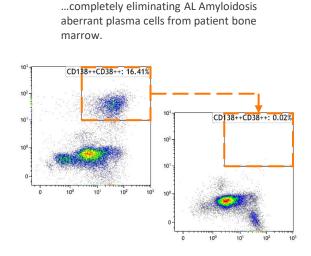




a) <u>Uneven</u> BCMA expression and b) <u>frail patient condition</u> has historically prevented conventional, approved CAR-T use in AL Amyloidosis NXC-201 was designed and tested for human AL Amyloidosis treatment, with preclinical testing revealing that:

BCMA is expressed in 18 AL Amyloidosis patients at a low-medium level...





NXC-201's uniquely favorable tolerability profile (no neurotoxicity + "Single-day CRS") combined with proven preclinical and clinical efficacy make NXC-201 uniquely suited to treat AL Amyloidosis.

NXC-201 May Be a Curative Treatment for AL Amyloidosis

ALL BCMA CAR-TS ARE NOT CREATED EQUAL

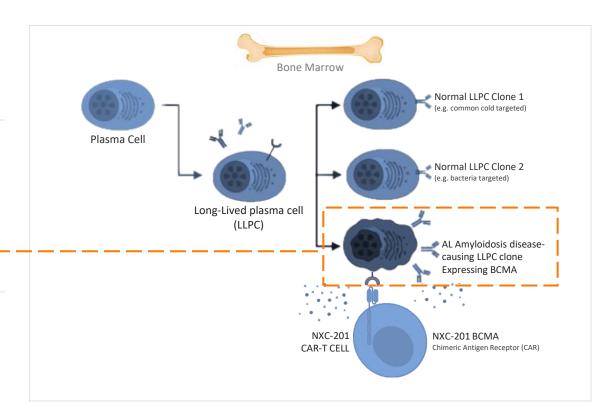


AL amyloidosis is caused by dysfunctional plasma cells that can live for years, continuously producing toxic, misfolded amyloid light chain antibody fragments

AL Amyloidosis disease-causing plasma cells:

- · Are a minority of total plasma cells
- Are 1 of thousands of antibody-specific plasma cells, each of which produces 1 antibody, specific to 1 target (e.g. common flu, cold, a type of bacteria...)
- · Are eliminated by NXC-201 treatment

Then healthy plasma cells regenerate in the months after NXC-201 treatment, potentially preventing disease relapse



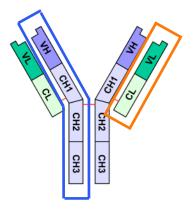
Pathologic Light Chains in AL Amyloidosis are an Antibody Building Block That Are Overproduced by Plasma Cells



A LIGHT CHAIN IS A PORTION OF AN ANTIBODY

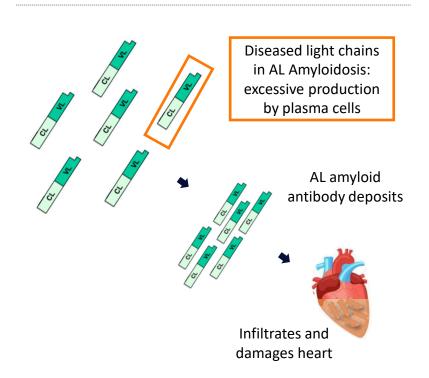
Light chain portion of antibody

Heavy chain portion of antibody



Normal antibody produced by plasma cell

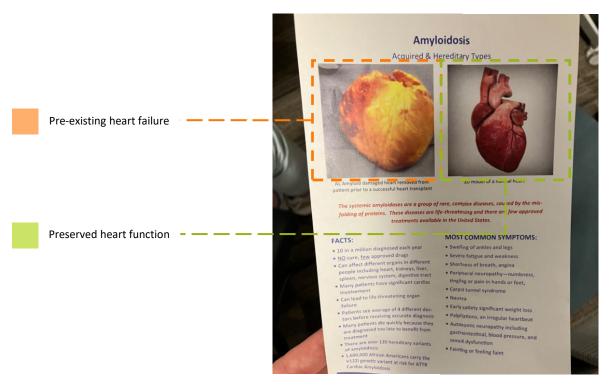
IN AL, PLASMA CELLS PRODUCE TOO MANY LIGHT CHAINS



This Is Pre-Existing Heart Failure in AL Amyloidosis







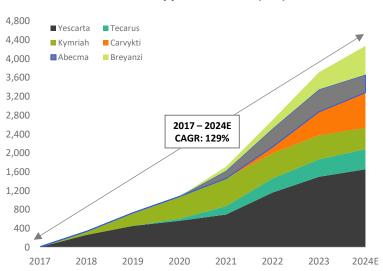
Appendix 3: Market



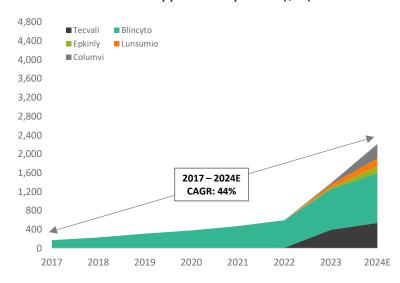
Robust Global Sales of CAR-T Continue



Sales of Approved CAR-T (\$M)



Sales of Approved Bispecifics (\$M)



Clinical Stage Cell Therapy for AL Amyloidosis and Other Serious Diseases

April 2025

