UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): June 7, 2023

SANA BIOTECHNOLOGY, INC.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation) 001-39941 (Commission File Number) 83-1381173 (IRS Employer Identification Number)

188 East Blaine Street, Suite 400 Seattle, Washington 98102 (Address of principal executive offices, including Zip Code)

Registrant's telephone number, including area code: (206) 701-7914

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

□ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

□ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

Derecommencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

D Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, \$0.0001 par value per share	SANA	The Nasdaq Stock Market LLC

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company \boxtimes

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 7.01 Regulation FD Disclosure.

Sana Biotechnology, Inc. (the "Company") intends to discuss an updated corporate presentation (the "Corporate Presentation") at the Jefferies Healthcare Conference on June 7, 2023. A copy of the Corporate Presentation is furnished as Exhibit 99.1 to this Current Report on Form 8-K (this "Current Report") and is incorporated by reference herein.

By furnishing the information in this Item 7.01 of this Current Report, including Exhibit 99.1, the Company makes no admission as to the materiality of such information. The information contained herein is intended to be considered in the context of the Company's filings with the U.S. Securities and Exchange Commission (the "SEC") and other public announcements that the Company makes, by press release or otherwise, from time to time. The Company undertakes no duty or obligation to publicly update or revise the information contained in the Corporate Presentation, although it may do so from time to time as its management believes is appropriate. Any such updating may be made through the filing of other reports or documents with the SEC, through press releases or through other public disclosure.

In accordance with General Instruction B.2 of Form 8-K, the information furnished with this Current Report, including Exhibit 99.1, shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended ("Exchange Act"), or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference into any other filing under the Securities Act of 1933, as amended, or the Exchange Act, except as expressly set forth by specific reference in such a filing.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

See the Exhibit Index below, which is incorporated by reference herein.

EXHIBIT INDEX

Exhibit Number	Description
99.1	Corporate Presentation dated June 7, 2023
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

Sana Biotechnology, Inc.

By:

/s/ Bernard J. Cassidy Bernard J. Cassidy Executive Vice President and General Counsel

Date: June 7, 2023

Corporate Presentation

June 2023



Cautionary Note Regarding Forward-Looking Statements

This presentation contains forward-looking statements about Sana Biotechnology, Inc. (the "Company," "we," "us," or "our") within the meaning of the federal securities laws. All statements other than statements of historical facts contained in this presentation, including, among others, statements regarding the Company's strategy, expectations, cash runway and future financial condition, future operations, and prospects, are forward-looking statements. In some cases, you can identify forward-looking statements by terminology such as "aim," "anticipate," "assume," "believe," "contemplate," "continue," "could," "design," "due," "estimate," "expect," "goal," "intend," "may," "objective," "plan," "positioned," "potential," "predict," "seek," "should," "target," "will," "would" and other similar expressions that are predictions of or indicate future events and future trends, or the negative of these terms or other comparable terminology. The Company has based these forward-looking statements largely on its current expectations, business strategy and financial needs. In light of the significant uncertainties in these forward-looking statements, you should not rely upon forward-looking statements as predictions of future events. These statements are subject to risks and uncertainties that could cause the actual results to vary materially, including, among others, the risks inherent in drug development such as those associated with the initiation, cost, timing, progress and results of the Company's current and future research and development programs, preclinical studies, and clinical trials.

For a detailed discussion of the risk factors that could affect the Company's actual results, please refer to the risk factors identified in the Company's SEC reports, including its Quarterly Report on Form 10-Q dated May 8, 2023. Except as required by law, the Company undertakes no obligation to update publicly any forward-looking statements for any reason.



Sana Biotechnology

Engineered Cells as Medicines

Sana's ambition is to repair or replace any cell in the body. Technologies address fundamental barriers:

- Hypoimmune (HIP) technology: Overcoming immune rejection of allogeneic cells
- Fusogen technology: In vivo delivery of genomic modification reagents in a cell-specific manner

Overcoming immune rejection of allogeneic cells has potential to change cell therapy:

- · Allogeneic CAR T cells that perform clinically like autologous CAR T cells can transform treatment of hematological malignancies
- Key to unlocking the potential of stem cell-derived therapies such as pancreatic islet cells for the treatment of type 1 diabetes

Two opportunities in 2023 for clear clinical proof of concept:

- SC291: Cell persistence and clinical efficacy
- · HIP primary islets in patients with type 1 diabetes
- Results will provide insights in CAR T cell and stem-cell based platforms ability to overcome allogeneic and autoimmune cell rejection

Pipeline poised to deliver multiple clinical data readouts over next several years:

- Hypoimmune allogeneic CAR T cells: SC291 (CD19), SC262 (CD22), SC255 (BCMA), and beyond
- Regenerative medicine: SC451 (type 1 diabetes) and SC379 (CNS disorders)
- In vivo fusogen platform: SG299

Balance sheet allows potential for multiple data readouts



Sana's platforms, technology, and programs Pipeline poised to deliver multiple clinical data readouts over next several years

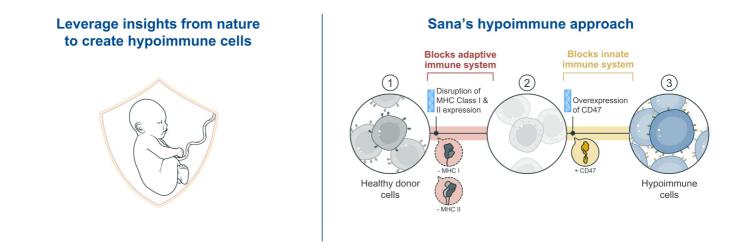
			Expected Clin	ical Milestones	• 11
Product Candidates	Mechanism	Potential Indications	2023	2024	•
SC291 (HIP)	CD19-targeted allo CAR T	NHL/ALL/CLL/Autoimmune	•	•	
HIP primary islet cells ¹		Type 1 Diabetes	• •	•	
SG299 (Fusogen)	In vivo CAR T (CD8/CD19)	NHL/ALL/CLL	•	•	
SC262 (HIP)	CD22-targeted allo CAR T	NHL/ALL/CLL		•	
SC451 (HIP)	Stem-cell derived pancreatic islet cells	Type 1 Diabetes		• •	
SC255 (HIP)	BCMA-targeted allo CAR T	Multiple Myeloma			
SC379	Glial progenitor cells	PMD, HD, SPMS			
SG239 (Fusogen)	In vivo CAR T (CD8/BCMA)	Multiple Myeloma			
SG242 (Fusogen)	In vivo CAR T (CD4/CD19)	NHL/ALL/CLL			
SG221 (Fusogen)	In vivo CAR T (CD4/BCMA)	Multiple Myeloma			
SG233 (Fusogen)	In vivo CAR T(CD8/CD22)	NHL/ALL/CLL			
SG418 (Fusogen)	In vivo hematopoietic stem cells	SCD, Beta-Thalessemia			

¹IST, investigator sponsored trial. Abbreviations: ALL, acute lymphoblastic leukemia; CLL, chronic lymphocytic leukemia; HD, Huntington's disease; IND, investigational new drug; NHL, non-Hodgkin's lymphoma; PMD, Pelizaeus-Merzbacher Disease; SCD, sickle cell disease; SPMS, Secondary Progressive Multiple Sclerosis.



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Sana's hypoimmune solution: Leverage insights from nature



Abbreviations: MHC, major histocompatibility complex. Current clinical platform with multiple ongoing approaches in research phase.



Sana's team has pioneered hypoimmune technology

nature	LETTERS	23. 23.	JEM
biotechnology	https://doi.org/10.1038/s41587-019-0016-3	ARTICLE The SIRPa-CD47 immune checkpoint in N	K cells
Hypoimmunogenic derivati pluripotent stem cells evad fully immunocompetent all ToliasDeuse ¹⁷ , Xlaomeng Hu ¹³³ , Alessia Garvina ³ , Do Williamo. Thayer ¹ , Angela Wahl ¹ , J. Victor Garcia ¹ , He Lewis L.Lanier ^{®+} and Sonja Schrepfer ^{®+*}	e immune rejection in ogeneic recipients ng Wang ¹² , Grigol Tediashvili ¹²³ , Chandrav De ⁴ ,	Totas Dona ¹¹ B . Xisoneg Ha ¹¹ B . San Aglor-Enri ¹¹ B . Non K. Jury B , Malk Kan ¹⁰ Cern Spyl ¹⁰ Aintis Grigi Totahni Q . Whi Q Rymp ¹⁰ B . Into Li ¹⁰ B . Into M Jatama ¹¹ B . Into ¹¹¹ C and Spin Schroll and accele how it can be existence and functionality of the immune declopiont signal regulatory protein and accele how it can be moldated for cell therapy. Nice Cli SIM ²⁰ is un-regulated protein and accele how it can be moldated for cell therapy. Nice Cli SIM ²⁰ is un-regulatory protein supersistin of CO47 protected KGE tumor cells and muses and human Mick deficient angle blockade incor efficient and the supersisting of thesis monley CO47 in human MICk deficient cells prevented optation in a sungenier tells. The SIM ²⁰ - CD47 Jaminus Checkpoint may agginees Nic Cli antitumer responses and CO47 may prevent Mic cell-mediated lalling of allogeneit and songenist tissues.	Gravina ¹ ©, s ^{1,2+*} © n a (SIRPa) in Ni on, interacts with 6, or NKG2D. Elec- cells against SIRB rased the killing of ity by rhesus NK sults demonstrat
Science Translational Med	Current Issue First release papers	nature communications	
HOME > SCIENCE TRANSLATIONAL MEDICINE > VOL. 15, NO. 691 > HUMAN HYPORM	UNE PRIMARY PANCREATIC ISLETS AVOID REJECTION AND		
			0.1038/s41467-023
Human hypoimmune primary p jection and autoimmunity and a geneic humanized mice	alleviate diabetes in allo-	Hypoimmune anti-CD19 chimeric ar receptor T cells provide lasting tum control in fully immunocompetent allogeneic humanized mice	

+8 authors

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JEM meter

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Clush for printee PNAS Hypoimmune induced pluripotent stem cell-derived cell therapeutics treat cardiovascular and pulmonary diseases in immunocompetent allogeneic mice

Tobias Deus Andrew Cor and Sonia S e^{a,1}, Grigol inolly^e, Chr hvili^{a,b,1}, Xiaomeng Hu^{a,b,c,d,1}, Alessia Gravina^a, Annika Tamenang^{a,b}, Dong Wang Mueller¹⁹, Beñat Mallavia^h, Mark R. Loonev^{h,} Malik Alawi^l, Lewis L. Lanier^{k,2,3}

nature biotechnology

Article

Hypoimmune induced pluripotent stem cells survive long term in fully immunocompetent, allogeneic rhesus macaques

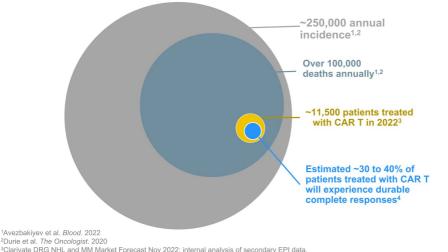
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Received: 18 May 2022	Xiaomeng Hu ¹ , Kathy White ¹ , Ari G. Olroyd ¹ , Rowena DeJesus ¹ ,			
Accepted: 6 April 2023	Antonia A. Dominguez ¹ , William E. Dowdle ¹ , Annabelle M. Friera ¹ , Chi Young ¹ , Frank Wells ¹ , Elaine Y. Chu ¹ , Cade Ellis Ito ¹ , Harini Krishnapura ¹ , Surbhi Jain ¹ ,			
Published online: 08 May 2023	Ramya Ankala ¹ , Trevor J. McGill ¹ , August Lin ¹ , Kyla Egenberger ¹ ,			
Check for updates	Allison Gagnon ¹ , J. Michael Rukstalis ¹ , Nathaniel J. Hogrebe ² , Corie Gattis ¹ , Ron Basco ¹ , Jeffrey R. Milliman ¹ , Paul Klevit ² , Mark M. Davis ⁴ , Lewis L. Lanier O ⁵ , Andrew L. Canpulli ⁴ , Tablyste Deurop 2 ¹³ , Sonia Schwarfert P ¹⁴			



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Hematologic cancers continue to have a high unmet need

High mortality in lymphoma and myeloma in the US and EU5



²Durie et al. The Oncologist. 2020 ³Clarivate DRG NHL and MM Market Forecast Nov 2022; internal analysis of secondary EPI data. ⁴Scivida 2022 NHL Factbook Abbreviations: EUS, France, Germany, Italy, Spain, UK



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Challenges

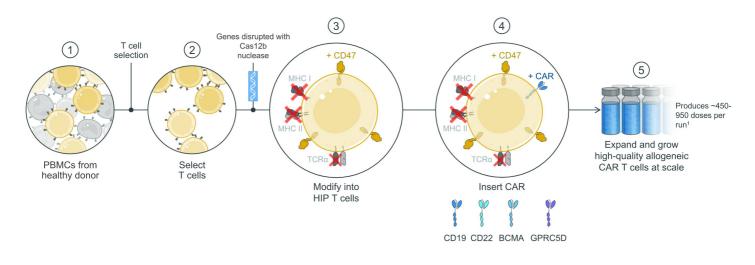
- Autologous CAR T cell scalability
- Many patients fail CAR T treatment
- Allogeneic CAR T cells immune rejection limits persistence and efficacy

Opportunity

- Known targets
- Known efficacy and safety bar

Sana's HIP CAR T platform can address challenges and exploit opportunities

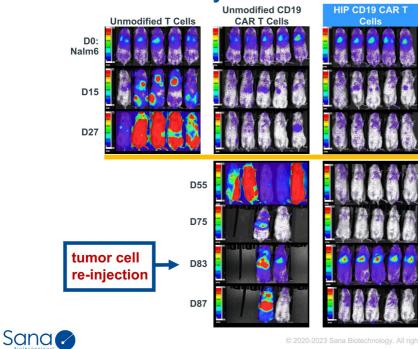
Sana's HIP platform can create a regenerative pipeline for allogeneic CAR T therapies



1~450 doses assumes the middle dose in the ARDENT Phase 1 study and ~950 doses assumes an autoimmune dose consistent with public data on current autoimmune dose levels. Abbreviations: Cas12b, CRISPR associated protein 12b; GPRC5D, G protein–coupled receptor, class C, group 5, member D; PBMC, peripheral blood mononuclear cell.

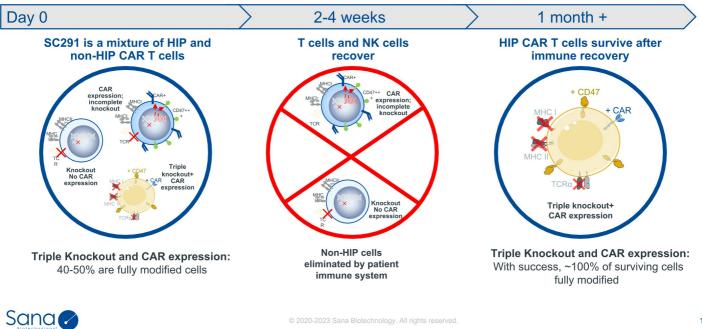


HIP CD19 CAR T cells demonstrate persistence and continued efficacy in humanized mice model

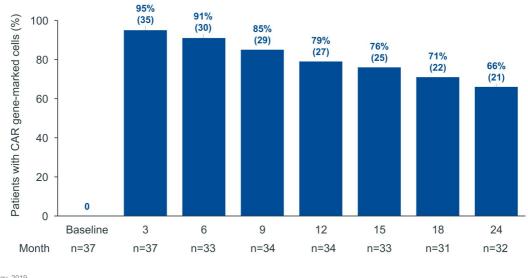


- SC291 tumor control comparable at early timepoints to standard CD19 CAR T cells
- SC291 tumor control superior at later timepoints to standard CD19 CAR T cells
- SC291 controls tumors when animals are rechallenged with tumor

ARDENT trial will provide rapid insight into hypoimmune immune evasion



CAR T cells remain detectable in the majority of patients with ongoing response treated in ZUMA-1 trial



Locke et al. Lancet Oncology. 2019

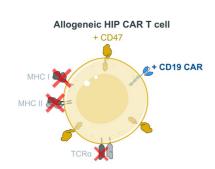
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Improved persistence can lead to best-in-class allogeneic CAR T platform

SC291: Sana's CD19 HIP allogeneic CAR T

• First clinical data in 2023



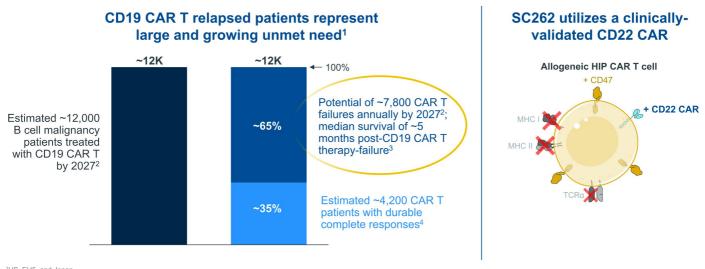
Data show CAR T cell persistence correlates with long term complete response (CRs) rates¹

CAR T Persistence		Potential Efficacy Outcome	
≤ 1 month	>>>	Comparable to existing Allo CAR T	
2 to 3 months	>>>	Best-in-class Allo CAR T	
3 to 6 months	>>>	Comparable to Auto CAR T	
≥ 6 months	>>>	Better than Auto CAR T	

¹Porter et al. Science Translational Medicine. 2015



SC262: Targeting growing population of patients with inadequate response to CD19 therapy

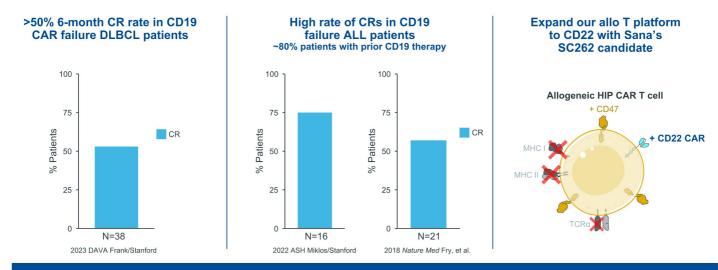


¹US, EU5, and Japan. ²Clarivate DRG NHL Market Forecast Nov 2021; 2027 Forecast is 2L+ LBCL patients; internal analysis of secondary EPI data. ³Di Blasi et al. *Blood*.2022; DESCAR-T registry.



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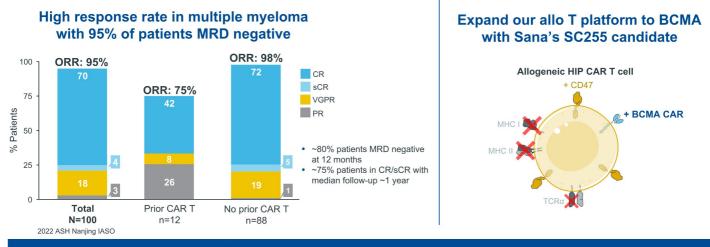
SC262: Licensed CD22 CAR produced strong clinical data in CD19 failures when part of autologous CAR T



SC262 Goals: File IND this year; clinical data in 2024



SC255: Licensed BCMA CAR produced strong clinical data in myeloma when part of autologous CAR T



SC255 Goal: File IND as early as 2024

Abbreviations: CR, complete response; ORR, objective response rate; PR, partial response; sCR, stringent complete response; VGPR, very good partial response



CAR T cells have the potential to transform autoimmune disorders like they have in blood cancers

B-cell targeting validated across multiple autoimmune diseases

Field has spent 25+ years identifying

- SLE
- Lupus Nephritis
- Vasculitis (Granulomatosis with polyangiitis & Microscopic polyangiitis)
- Neuromyelitis optical spectrum
- Pemphigus
- Relapsing and progressive MS
- Rheumatoid Arthritis
- Sjogren syndrome
- NMDAR encephalitis
- Thrombocytopenic purpura
- Amyloidosis
- Scleroderma
- Autoimmune Hemolytic Anemia
- Chronic immune demyelinating polyradiculoneuropathy
- Immune-mediated necrotizing myopathy
- · Membranous nephropathy

Depth of B-cell depletion correlates with clinical benefit

- CD19 CAR T cell therapy results in deep Bcell depletion
- Potential to deliver durable long-term remissions

SC291 has the scale and potential profile to change patient outcomes

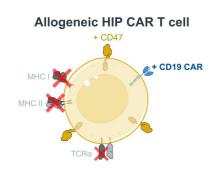
- Drug product from oncology studies ready for use
- PoC studies across multiple diseases in near term

Adapted from Zhang et al. Frontiers in Immunology. 2023; Oh et al. Immune Network. 2023; Lee et al. Nature Reviews Drug Discovery. 2021



SC291 product candidate offers potential to address large unmet need in various autoimmune disorders

SC291: CD19 HIP allogeneic CAR T for treatment of autoimmune disorders

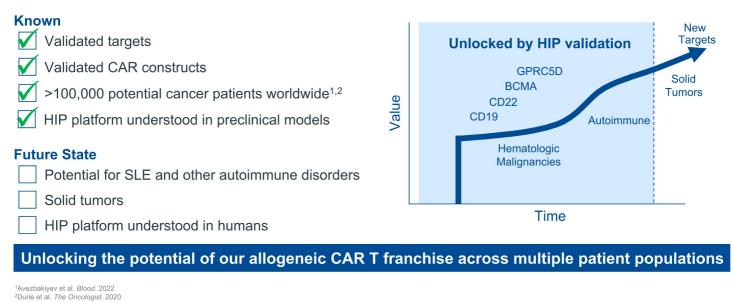


Sana

- >75 different types of autoimmune disorders with high unmet need and underlying B cell pathology
- Lupus nephritis alone impacts ~100,000 people in the US
- Utilize SC291 Phase 1 supply for potential rapid path to clinic

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Goal is to build a best-in-class CAR T portfolio to treat patients with a range of cancers and beyond





Type 1 diabetes represents a large unmet need with a loss of \sim 15 years of life¹

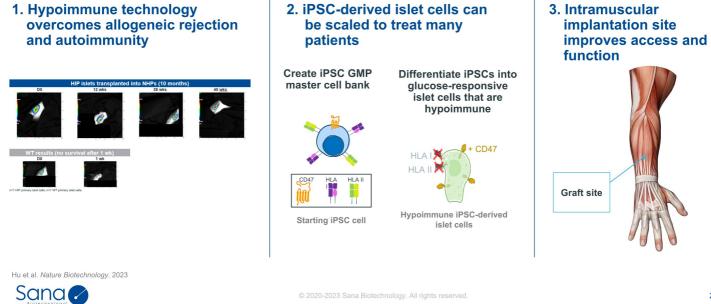
- Disease caused by autoimmune destruction of insulinproducing beta cells in the pancreas; results in inability to control blood glucose
- Type 1 diabetes is a large unmet need with 1.9M patients in the U.S. and 2.4M in Europe²
- Long-term complications: end-organ damage, including heart attack, stroke, blindness, and kidney failure
- SC451 goal is euglycemia without exogenous insulin or immunosuppression



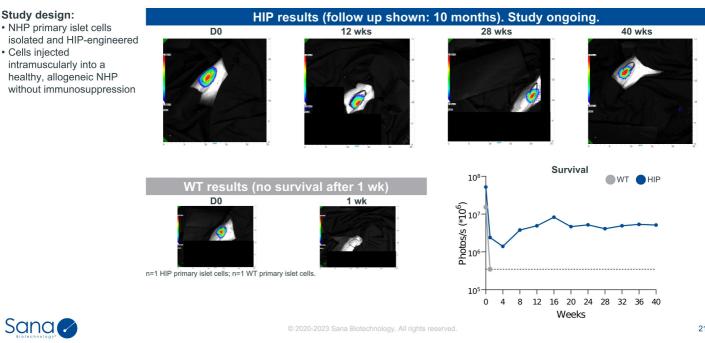
¹Rawshani et al. *Lancet.* 2018 ²Clarivate Type 1 Diabetes Landscape & Forecast, December 2022; internal analysis of secondary EPI data.



Sana's solution: SC451 is an allogeneic iPSC-derived hypoimmune pancreatic islet cell therapy



Survival of allogeneic hypoimmune pancreatic islet cells for 10+ months without immunosuppression

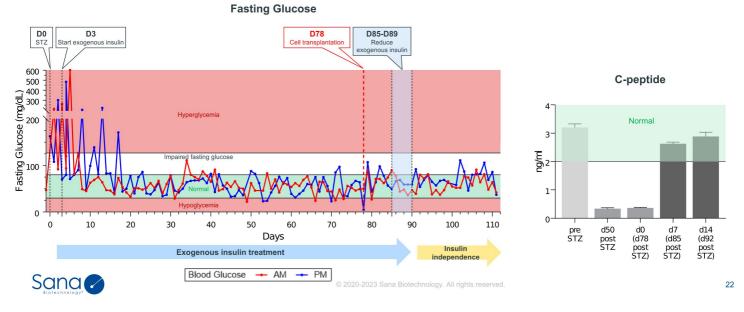


HIP-modified allogeneic islet cells lead to normal blood glucose with no insulin and no immunosuppression in diabetic NHP

Study Design (N=1)

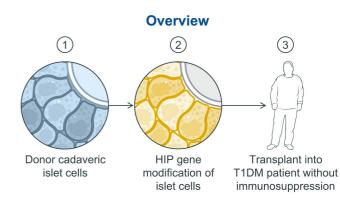
NHP primary islet cells isolated and HIP-modified

Cells injected intramuscularly into a healthy, allogeneic NHP without immunosuppression



Path to potential clinical validation of hypoimmune islet cells in T1DM patients in 2023

- Investigator sponsored trial
- Primary human HIP islet cells transplantation in type 1 diabetes patients
- · Goal: Cell survival with no immunosuppression
- Goal: Data in 2023
- Insight for SC451

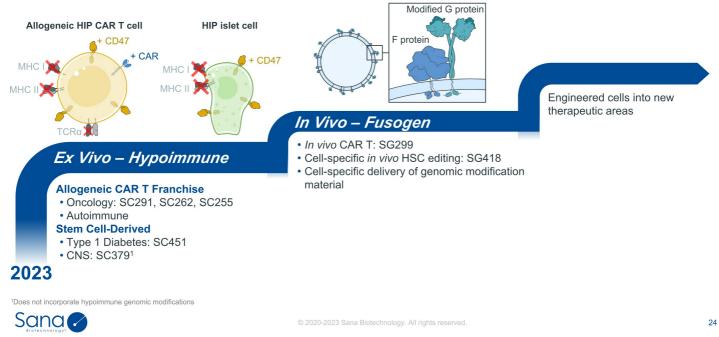


Key Measured Outcomes

Cell survival & immune evasion C-peptide Glycemic control



Sana aspiration: Engineered cells as medicines



Thank You

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