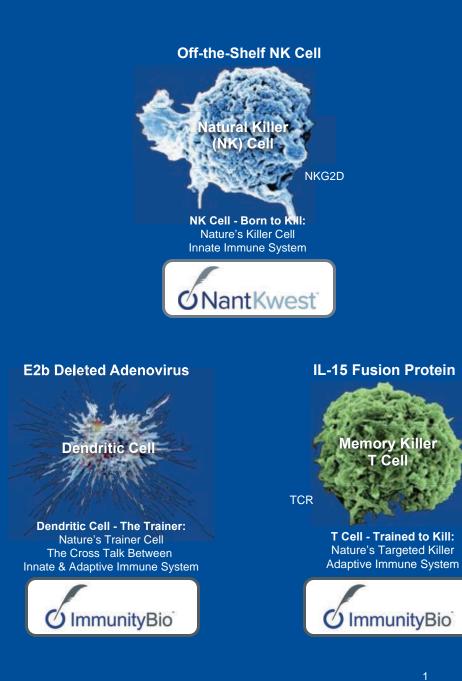


The Leading Late Stage Immunotherapy Companies Harnessing Immunogenic Cell Death



JP Morgan Healthcare Conference January 14, 2020



GENERAL DISCLAIMER

Not all product candidates and/or services referenced in these slides are proprietary to NantKwest or ImmunityBio and may be owned or controlled by third parties, including their affiliates.

FORWARD-LOOKING STATEMENTS

These slides and the accompanying oral presentation contain forward-looking statements within the meaning of the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934, as amended, that are based on management's beliefs and assumptions and on information currently available to our management. Forward-looking statements include, but are not limited to:

- our ability to pioneer immunotherapy, harness the power of the innate immune system, implement precision cancer medicine and change the current paradigm of cancer care;
- our expectations regarding the potential benefits of our strategy and technology;
- our ability to utilize multiple modes to induce cell death;
- our beliefs regarding the benefits and perceived limitations of competing approaches, and the future of competing technologies and our industry;
- our beliefs regarding the success, cost and timing of our product candidate development activities and clinical trials;
- the timing or likelihood of regulatory filings or other actions and related regulatory authority responses, including any planned investigational new drug (IND) filings or pursuit of accelerated regulatory approval pathways or orphan drug status and breakthrough therapy designations;
- our ability to implement an integrated discovery ecosystem and the operation of that planned ecosystem;
- our expectations regarding our ability to utilize the Phase I aNK clinical trial data to support the development our other product candidates;
- our ability to produce an "off-the-shelf" therapy;
- our beliefs regarding the potential manufacturing and distribution benefits associated with our product candidates, and our ability to scale up the production of our product candidates;
- our ability to obtain and maintain intellectual property protection for our product candidate and not infringe upon the intel lectual property of others;
- the ability and willingness of strategic collaborators, including certain of our affiliates, to share our vision and effectively work with us to achieve our goals;
- the ability and willingness of various third parties to engage in research and development activities involving our product candidates, and our ability to leverage those activities; and
- regulatory developments in the United States and foreign countries.

Factors that could cause our results to differ materially from those expressed in forward-looking statements include, without limitation:

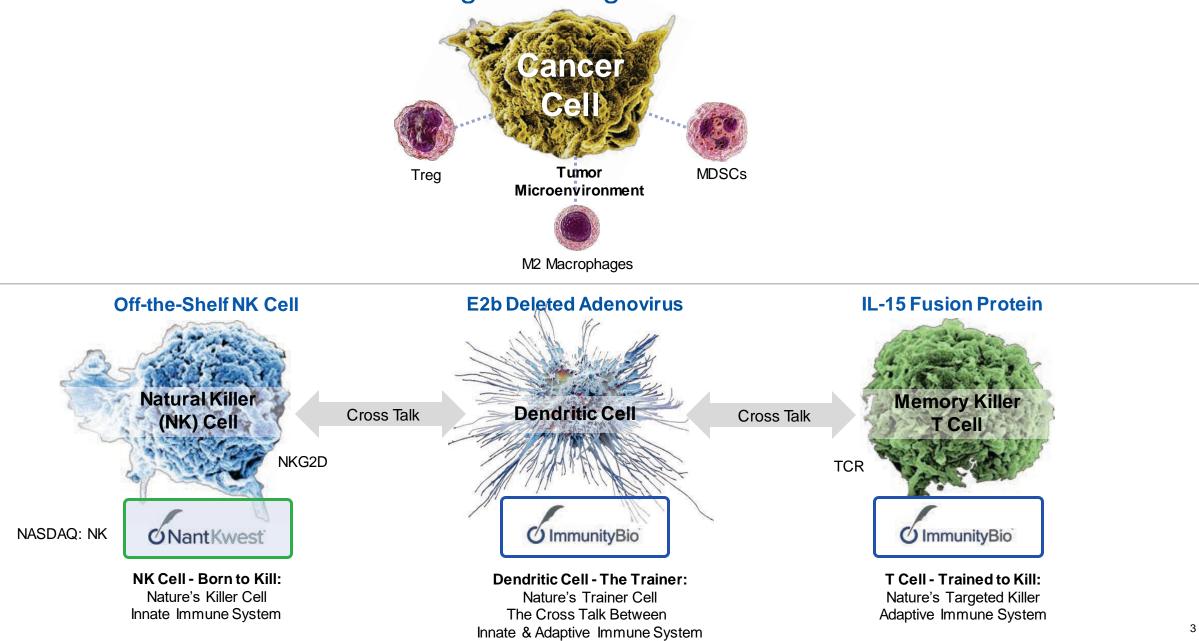
- the fact that our business is based upon the success of aNK cells as a technology platform and the success of N-803 and the other product candidates;
- our aNK platform and other product candidate families, including genetically modified taNK, haNK and t-haNK product candidates, will require significant additional clinical testing;
- even if we successfully develop and commercialize our aNK product candidates or N-803, we may not be successful in developing and commercializing our other product candidates either alone or in combination with other therapeutic agents;
- we may not be able to file INDs, to commence additional clinical trials on timelines we expect;
- we will need to obtain substantial additional financing to complete the development and any commercialization of our product candidates; and
- risks associated with our ability to enforce intellectual property rights.

Forward-looking statements include statements that are not historical facts and can be identified by terms such as "anticipates," "believes," "could," "seeks," "estimates," "intends," "intends," "may," "plans," "potential," "predicts," "projects," "should," "will," "would," or similar expressions and the negatives of those terms.

Forward-looking statements involve known and unknown risks, uncertainties, and other factors that may cause our actual results, performance, or achievements to be materially different from any future results, performance, or achievements expressed or implied by the forward-looking statements. These and other risks regarding our business are described in detail in NantKwest's Securities and Exchange Commission filings. We encourage you to review NantKwest's SEC filings in order to understand these risks. These forward-looking statements speak only as of the date thereof, and we disclaim any obligation to update these statements except as may be required by law. Given these uncertainties, you should not place undue reliance on these forward-looking statements. Also, forward-looking statements represent our management's beliefs and assumptions only as of the date of this presentation.

Except as required by law, we assume no obligation to update these forward-looking statements, or to update the reasons actual results could differ materially from those anticipated in these forward-looking statements, even if new information becomes available in the future. No representation or warranty, express or implied, is given as to the completeness or accuracy of the information or opinions contained in this document and we do not accept any liability for any direct, indirect or consequential loss or damage arising from reliance on such information or opinions. Past performance should not be taken as an indication or guarantee of future performance. You should read this presentation completely and with the understanding that our actual future results may be materially different from what we expect.

The Cross Talk of the Immune System in Cancer Inducing Immunogenic Cell Death



ASCO 2019: Seminal Discovery by NANT of Neoepitope Silencing

Abstract #2591

Evidence for selective silencing of MHC-binding neoepitopes to avoid immune surveillance

CONTRIBUTING RESEARCHERS

Rahul Parulkar¹, Andrew Nguyen¹, J Zachary Sanborn¹, Charles Joseph Vaske¹, Stephen Charles Benz¹, Sandeep K. Reddy², Shumei Kato³, Razelle Kurzrock⁴, Christopher Szeto¹ ¹NantCell LLC., Santa Cruz, CA; ²NantHealth, Culver City, CA; ³University of California San Diego, La Jolla, CA; ⁴University of California San Diego, La Jolla, CA; ⁴University of California San Diego, Moores Cancer Center, La Jolla, CA

BACKGROUND

RESULTS

"Unreported".

Overall response rates to immune checkpoint inhibition (ICI) are <50% even in Tumor Mutation Burden (TMB)-high patients (e.g. Checkmate-227), suggesting other mechanisms of Immune escape exist beyond expressing checkpoints. At least 18% of somatic-specific exonic DNA variants are not expressed into mRNA (Rabizadeh, 2018), yet the selection criteria for which variants to silence remains unclear. We sought to determine if Immunogenicity of variants factors into their suppression

METHODS

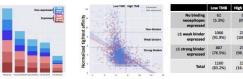
- 1418 clinical cases with paired tumor/normal whole-exome (~150x coverage) and whole-transcriptome (200x10⁶ reads) were available from the NantHealth database
- TMB was calculated by counting somatic-specific non-synonymous exonic mutations. High-TMB was defined as >200 exonic mutations as in Rizvi et al 2015
- All possible 9-mer necepitopes resulting from SNV or INDEL variants were generated and assessed for immunogenicity by NetMHC-4.0. For each variant, the necepitope with the highest predicted affinity was analyzed further
- Neoepitopes were designated as non-expressed if fewer than 2 RNA reads supported the generating variant
- Immune-cell infiltration was estimated using RNA deconvolution on known immune cell marker genes (Bindea et al. 2013)

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Figure 1. Clinical cohort description. Aggregated demographics statistics for 1395 clinical cases with predicted neoepitopes Cancer types with fewer than 20 cases are grouped as "Other", Unannotated or unknown-primary cases are grouped as

	N	Avg. Age	% Female	Avg. TMB	Avg. #SB
Breast	259	56.1	99.2	126.5	5.3
Colon	137	58.1	55.5	263.6	9.9
Lung	109	63.0	53.2	257.9	11.2
Bone and Soft Tissue Cancers (including Sarcoma)	107	47.2	45.8	125.6	5.4
Pancreatic	85	63.0	43.5	73.4	1.4
Ovarian	73	59.7	100.0	88.5	2.8
Brain	70	41.9	42.9	96.6	4.7
Prostate	34	63.5	0.0	98.5	5.7
Esophageal	33	64.9	27.3	164.1	6.8
Melanoma	32	63.5	31.3	596.5	28.4
Head and Neck	30	63.8	23.3	97.9	3.7
Gastric (Stomach)	30	58.3	36.7	134.5	2.6
Oral and Throat Cancers (Including Thyroid)	27	63.8	37.0	143.7	4.8
Rectal	27	56.7	29.6	248.3	14.1
Kidney	27	48.6	29.6	83.0	2.4
Liver	25	61.8	32.0	135.3	7.0
Bladder	22	71.3	45.5	255.0	14.9
Soft Tissue	20	32.9	30.0	101.6	3.4
Other (N<20)	129	58.8	57.A	347.5	13.3
Unreported	119	56.4	45.4	311.4	15.3

Figure 2. Presence of strong neosphopes is not exclusively driven by high TMB or variant type. There is little difference in the proportion of prodicted binders from disparate variant types or their composition of real test binds. TMB patients annoval in express at least one high-affinity neosphope (fields, ight), however so do the majority of low-TMB patients. Over 90% of patients have a non-expressed neosphope predicted binders from the astrong binder.



Generating variant type Normalized TMB

Figure 3. TIMB does not drive checkpoint expression. TMB is highly correlated with neoantigen load when aggregating on a tissue level (left). However TMB and PDL expression appear to be independent, both when aggregated on the tissue level ((middle) and when observing individual patients (right), as has been previously reported ((condmar, 2017)

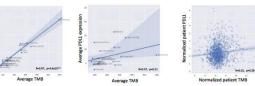


Figure 4. Immune-deconvolution algnificantly differentiations expression of multiple checkpoints. Inferred activity of immune cell types clusters tunns in the vas abgroups; Hot and Cold (Jeff). These subgroups have highly significant differential expression of 7 key immunoregulatory genes (right).

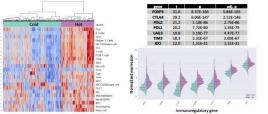


Figure 5. Evidence for systematic silencing of strong neoepitopes. Mosaic plots showing significant enrichment for silencing strongbinding neoepitopes across all patients (left), and especially in patients with active immunity but low checkpoint expression (right).



Figure 6. Proposed immune-evasion mechanism. Enrichment of silencing in immune-activated low-PDL1 patients suggests necepit modulation as an alternative to checkpoint expression to evade immune surveillance.

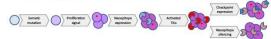


Figure 7. Patient case study. Renal medullary carcinoma with a very low TMB (0.9mts/Mb) yet is detected as immune-hot. Expression an binding characteristics are suggestive of selective necepitoes silencing.



KEY FINDINGS

- A total of 147,015 potential neoepitopes were identified from 1,395/1,418 patients (98.4%).
- While high-TMB patients almost all expressed at least one high-affinity neoepitope, strong binders were not exclusively expressed in this group; 80% of all patients (1,116/1,395) expressed at least one high-affinity neoepitope.

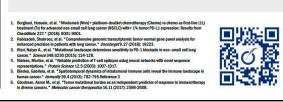
Nant

UC San Diego Moores Cancer Center

- Across all cases a small but significant enrichment was observed for silencing neoepitopes that are predicted to bind strongly to MHC1 (OR = 1.21, p = 1.8x10⁻³⁶)
- Silencing of potential neoepitopes was most prominent in 19% of patients with high inferred immµne infiltration but low PDL1 expression (N = 261, OR = 1.37, p = 2.0x10⁻¹⁶)
- TMB and neoantigen load are highly similar biomarkers. TMB and PDL1 expression are independent.

CONCLUSIONS:

We observe significant preferential silencing of MHC binding neoepitopes. Specifically, when tumor infiltrating immune cells are activated, silencing neoepitopes may be an alternative to checkpoint expression for avoiding an immune cascade. Patients with TILs and silenced neoepitopes may benefit from epigenetic priming therapy prior to ICI therapy.



ASCO ANNUAL MEETING, CHICAGO, IL, MAY31-JUN4 2019

ASCO 2019: Seminal Discovery by NANT of Neoepitope Silencing

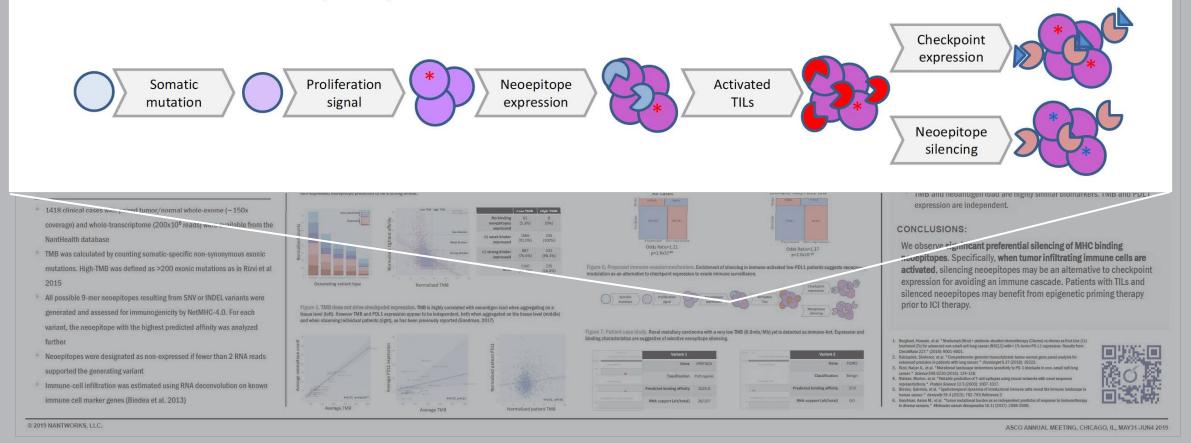
Abstract #2591

Evidence for selective silencing of MHC-binding neoepitopes to avoid immune surveillance

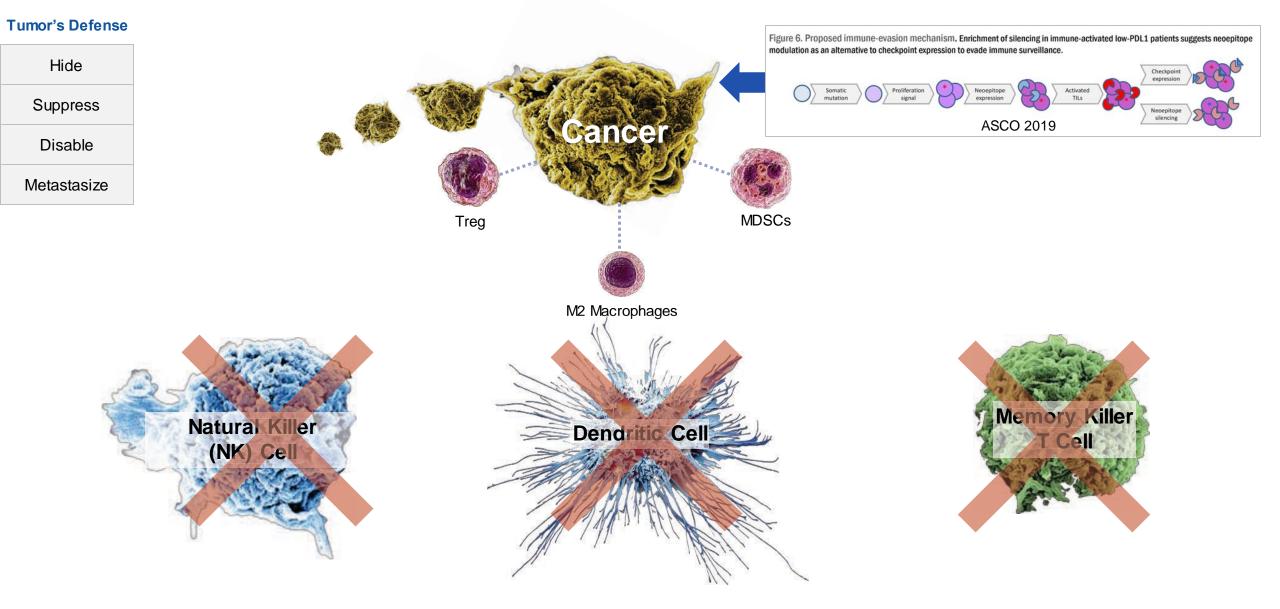
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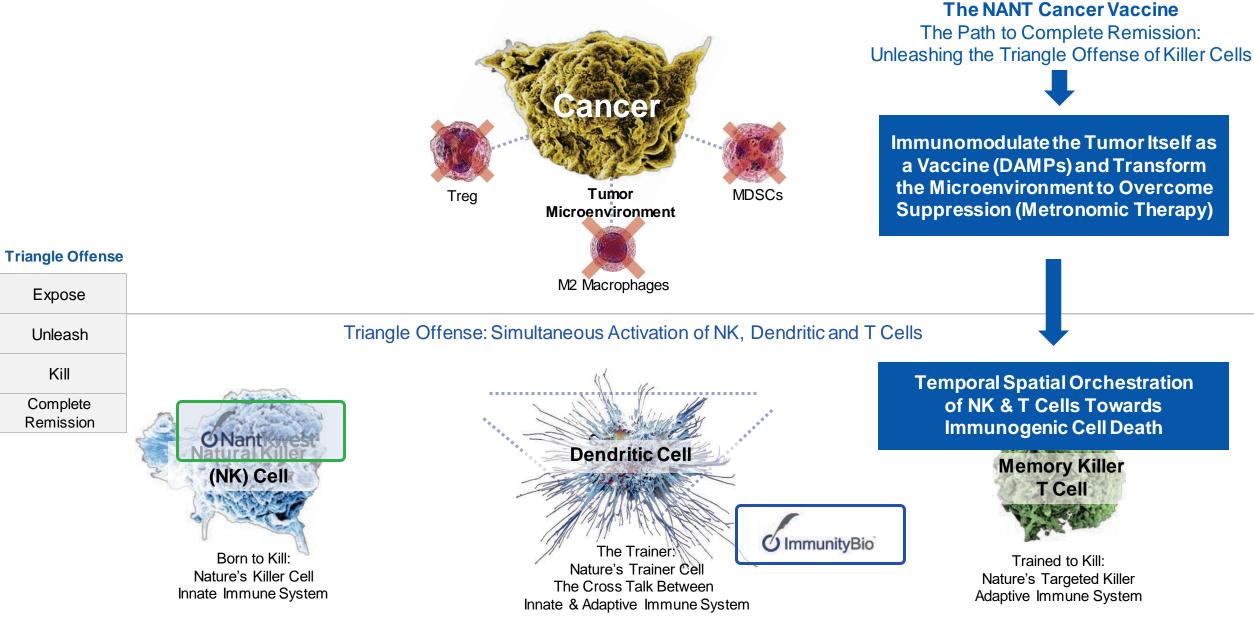
Figure 6. Proposed immune-evasion mechanism. Enrichment of silencing in immune-activated low-PDL1 patients suggests neoepitope modulation as an alternative to checkpoint expression to evade immune surveillance.



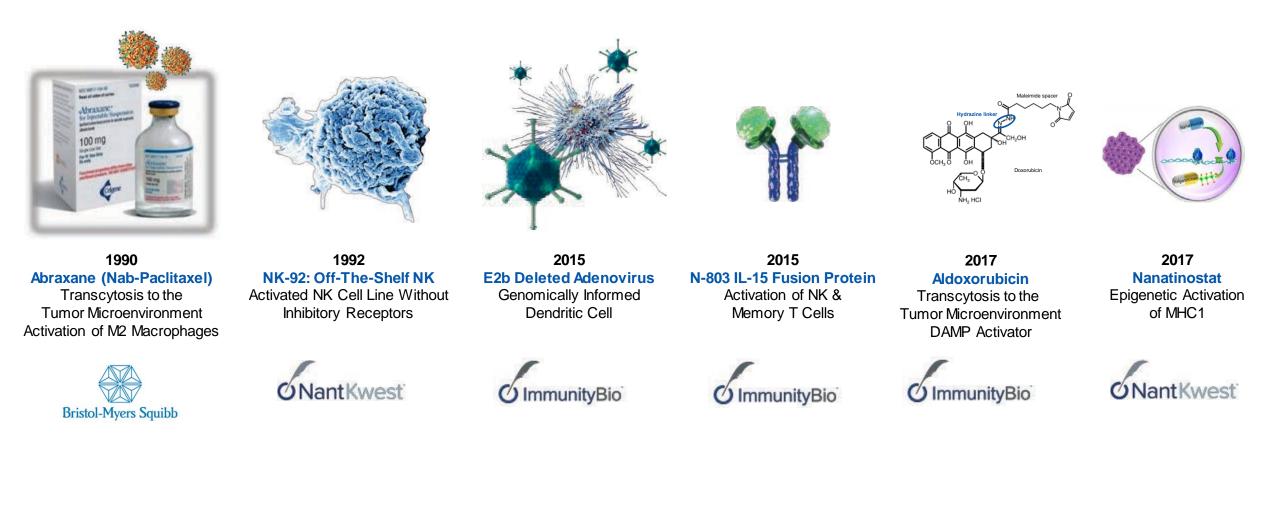
The NANT Discovery of the Tumors Ability to Evade & Silence the Immune System



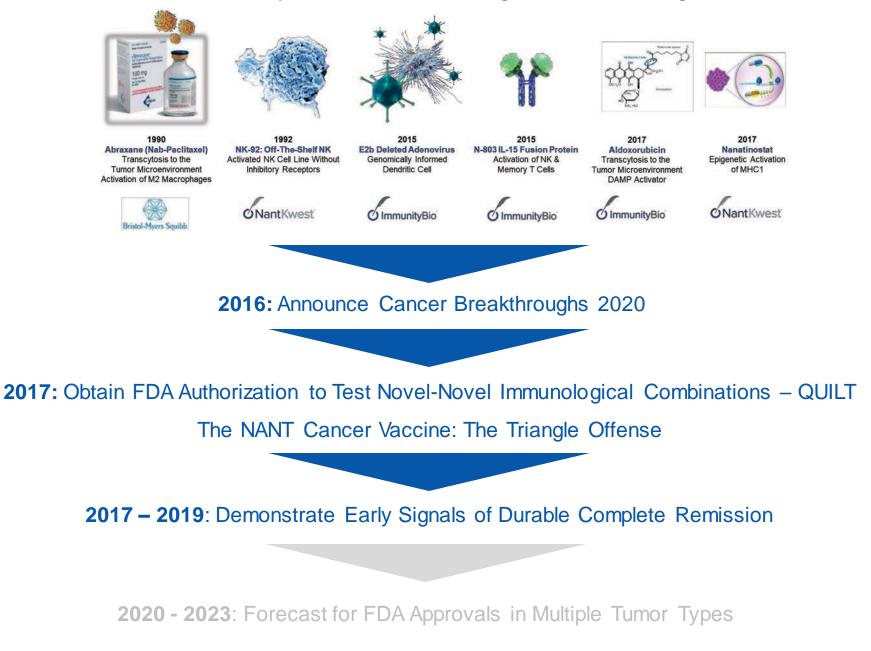
Next Generation Immunotherapy



1990 – 2017: Identified and Developed Key First-in-Class Agents Driving Immunogenic Cell Death



1990 – 2017: Key First-in-Class Immunogenic Cell Death Agents



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							3 I/	O Agents	Ye-Ras	Ye-Ras	Ye-Ras	Ye-Ras	Ye-Ras	Ye-Ras	Ye-Ras
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38	N-803	N-803	N-803	N-803	N-803	N-803	N-803	N-803	N-803	N-803	N-803	N-803	N-803	N-803	N-803
	BCG	Rituxumab	aNK	BCG	Pembro/Nivo	Pembro	Avelumat	Aldoxorubicin	Avelumab	Avelumab	Avelumab	Avelumab	Avelumab	Avelumab	Avelumab
	1 st Line NMBC Bladder	2 nd & 3 rd Line iNHL	2 nd & 3 rd Line Merkel Cell Carcinoma	2 nd Line NMIBC Bladder	3 rd Line Checkpoint Relapse NSCLC	1 st Line Metastatic NSCLC	2 nd & 3 rd Lii Merkel Ce Carcinom	Bancreatic	2 nd & 3 rd Line Metastatic Pancreatic Cancer	2 nd & 3 rd Line Metastatic Pancreatic Cancer	2 nd & 3 rd Line Metastatic Pancreatic Cancer	3 rd Line Metastatic TNBC	3rd Line Metastatic Head & Neck	3 rd Line Metastatic Randomized Colorectal	2 nd & 3 rd Line Metastatic Pancreatic Cancer
	QUILT-2.005	QUILT-3.002	QUILT-3.009	QUILT-3.032	QUILT-3.055	QUILT-2.023	QUILT-3.06	3 spIND	QUILT-3.039	QUILT-3.060	QUILT-3.070	QUILT-3.067	QUILT-3.090	QUILT-3.071	QUILT-3.080
	Fast Track Phase 2*	Phase 1 / 2	Phase 2	Breakthrough Phase 2*	Pivotal Phase 2*	Pivotal Phase 2*	Pivotal Phase 2*	spIND	Phase lb / ll	Phase lb / ll	Phase lb / II	Phase lb / ll	Phase lb / ll	Phase lb / ll	Phase lb / ll
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Initiation Date	May 2014	Mar 2015	Jun 2015	Jan 2017	Jul 2017	May 2018	Feb 201	9 Sep 2019	May 2017	Nov 2017	Dec 2017	Dec 2017	Dec 2017	Jun 2018	Jul 2018

Evidend	Cancer Breakthroughs 2020: Evidence of Early Signals of Durable Complete Remission in Multiple Tumor Types																	
		59 oi	ut of 108	5 (56%)	Comple	te	Respo	nses in 7	Tumor ⁻	Types			_	·	Eleven (11) I/O Agents			gents
69 out of 161 (41%) Overall Response Rate in 8 Tumor Types													Ad-HER2	Ad-HER2	Ad-HER2			
Ad-MUC1												Ad-MUC1	Ad-MUC1	Ad-MUC1				
Natural Killer (NK) Cell Crosstalk Crosstalk Crosstalk										Ad-Brachy		Ad-Brachy	Ad-Brachy	Ad-Brachy				
Killer Cells Ye-Brachy												Ye-Brachy	Ye-Brachy	Ye-Brachy				
Dendritie Cell Six (6) Ye-CEA										Ye-CEA		Ye-CEA	Ye-CEA	Ye-CEA				
Five (5) I/O Agents Aldoxorubicin Aldoxorubici									Aldoxorubicin	A	Aldoxorubicin	Aldoxorubicin	Aldoxorubicin					
							W.S. I		Ad-CEA	Ad-CEA		Ad-CEA		Ad-CEA		Ad-CEA	Ad-CEA	Ad-CEA
							3 I/O A	Agents	Ye-Ras	Ye-Ras		Ye-Ras		Ye-Ras		Ye-Ras	Ye-Ras	Ye-Ras
		Two (2) I/	/O Agents				haNK	PD-L1 t-haNK	aNK	haNK		aNK		haNK		haNK	haNK	haNK
N-803	N-803	N-803	N-803	N-803	N-803		N-803	N-803	N-803	N-803		N-803		N-803		N-803	N-803	N-803
BCG	Rituxumab	aNK	BCG	Pembro/Nivo	Pembro		Avelumab	Aldoxorubicin	Avelumab	Avelumab		Avelumab		Avelumab		Avelumab	Avelumab	Avelumab
1 st Line NMIBC Bladder	2 nd & 3 rd Line iNHL	2 nd & 3 rd Line Merkel Cell Carcinoma	2 nd Line NMIBC Bladder	3 rd Line Checkpoint Relapse NSCLC	1 st Line Metastatic NSCLC		2 nd & 3 rd Line Merkel Cell Carcinoma	2 nd Line Metastatic Pancreatic Cancer	2 nd & 3 rd Line Metastatic Pancreatic Cancer	2 nd & 3 rd Line Metastatic Pancreatic Cancer		2 nd & 3 rd Line Metastatic Pancreatic Cancer		3 rd Line Metastatic TNBC	F	3rd Line Metastatic Head & Neck	3 rd Line Metastatic Randomized Colorectal	2 nd & 3 rd Line Metastatic Pancreatic Cancer
Complete Response	Complete Response	Complete Response	Complete Response	Durable Response	Durable Response			Complete Response						Complete Response		Complete Response		Durable Response

Evidence of Early Signals of Durable Complete Remission in Multiple Tumor Types



N-803





haNK PD-L1 t-haNK Complete & Durable Responses in Advanced Metastatic Disease Across Multiple Tumor Types

59 out of 105 (56%) Complete Responses in 7 Tumor Types

Cancer Breakthroughs 2020: Evidence of Early Signals of Durable Complete Remission in Multiple Tumor Types



N-803





haNK PD-L1 t-haNK

Complete & Durable Responses in Advanced Metastatic Disease Across Multiple Tumor Types

Indication	Responses	Duration of Response	Chemotherapy Free
BCG Naïve Bladder Cancer (Phase I)	9/9CR	>24 Months	\checkmark
BCG Unresponsive CIS Bladder Cancer (Phase II)	34 / 46 CR	3 – 29 Months & Ongoing	\checkmark
3 rd Line Relapsed & Refectory Checkpoint Non-Small Cell Lung Cancer	10 / 56 ORR	2 – 45 Months & Ongoing	\checkmark
3 rd Line Merkel Cell Carcinoma	2 / 7 CR	31 – 46 Months & Ongoing	\checkmark
Indolent Non-Hodgkin Lymphoma	10 / 21 CR	10 – 26 Months & Ongoing	\checkmark
4 th Line Head & Neck Cancer	1 / 4 CR	7 Months	Metronomic Low Dose
3 rd Line Triple Negative Breast Cancer	2 / 9 CR	9 – 12 Months & Ongoing	Metronomic Low Dose
2 nd Line Metastatic Pancreatic Cancer	1 / 9 CR	2 Months & Ongoing	Metronomic Low Dose

Bladder Cancer – Complete Response in 9 of 9 Patients

Phase I	
NCT02138734	
QUILT 2.005	

Phase I (N=9) A Study of Intravesical BCG in Combination With N-803 in Patients With Non-Muscle Invasive Bladder Cancer

N-803 + BCG in High-Risk NMIBC – Phase I Results

Durable Complete Responses (CR) or No Recurrence (NR) in 9 out of 9 Patients

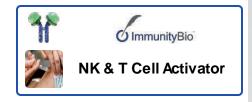
Dose	Response Assessments									
(intravesicular instillation)	Patient	Stage	W12	6M	9M	12 M	15 M	18M	21M	24M
	1	Pap T1	CR*	CR	CR	CR	CR	CR	CR	CR
100 µg	2	Рар Та	CR*	CR	CR	CR	CR	CR	CR	CR
	3	Pap T1	CR*	CR	CR	CR	CR	CR	CR	CR
	4	Pap T1	IC	CR*	CR	CR	CR	CR	CR	CR
200 µg	5	CIS	IC	IC	IC	CR	CR	CR	CR	CR
	6	Pap T1	CR*	CR	CR	CR	CR	CR	CR	CR
	7	Pap T1	CR*	CR	CR	CR	CR	CR	CR	CR
400 µg	8	CIS	CR*	CR	CR	CR	CR	CR	CR	CR**
	9	Рар Та	CR*	CR	CR	CR	CR	CR	CR	CR

9 of 9 (100%) Patients Disease-Free at 24 Months

BCG naïve alone (SoC): Historical response rate is 55-75% at 3-6 months post BCG alone Based on this data, FDA granted Fast Track Designation to the Pivotal Trial *CR termed as No Recurrence (NR) in Papillary Disease **Negative Cystoscopy Inconclusive Cytology BCG-Unresponsive Nonmuscle Invasive Bladder Cancer: Developing Drugs and Biologics for Treatment Guidance for Industry

Additional copies are available from: Office of Communications, Division of Drue Information Center for Drug Evaluation and Research Food and Drug Administration 10001 New Hampshire Ave., Hillandale Bldg., 4th Floor Silver Spring, MD 20993-0002 Phone: 855-543-3784 or 301-796-3400; Fax: 301-431-6353; Email: druginfo@sfda.hhs.gov https://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Guidan Office of Communication, Outreach, and Developmen Center for Biologics Evaluation and Research Food and Drug Administration 10903 New Hampshire Ave., Bldv. 71, rm. 3128 Silver Spring, MD 20993-0002 Phone: 800-835-4709 or 240-402-8010; Email: ocod@fda.hhs.gov ww.fda.wow/BiologicsBloodVaccines/GoidanceComplianceRevulatoryInformation/Guidances/default.htm U.S. Department of Health and Human Service Food and Drug Administration Center for Drug Evaluation and Research (CDER) enter for Biologics Evaluation and Research (CBER February 2018 Clinical/Medical

Evidence of Early Signals of Durable Complete Remission in Multiple Tumor Types



N-803





haNK PD-L1 t-haNK

Complete & Durable Responses in Advanced Metastatic Disease Across Multiple Tumor Types

Indication	Responses	Duration of Response	Chemotherapy Free
BCG Naïve Bladder Cancer (Phase I)	9 / 9 CR	>24 Months	\checkmark
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2 nd Line Metastatic Pancreatic Cancer	1 / 9 CR	2 Months & Ongoing	Metronomic Low Dose

Breakthrough Designation Registrational Trial in BCG Unresponsive CIS NMIBC 2nd Line N-803 + BCG

Indication and Tumor Type	Design	Patients Enrolled	CR Rate	Cystectomy Avoidance	Safety & Tolerability
2 nd Line BCG Unresponsive CIS	Single Arm: BCG + N-803 N = 80	55 / 80 to Date	73% Complete Response	89% Cystectomy Free	1% with treatment related SAEs

ImmunityBio Granted FDA Breakthrough Therapy Designation for N-803 IL-15 Superagonist in Non-Muscle Invasive Bladder Cancer

Results of Phase 1 and 2 studies in BCG Unresponsive Non-Muscle Invasive Bladder Cancer in High Risk Carcinoma in Situ Disease Earn FDA Breakthrough Status for ImmunityBio's IL-15 Superagonist Complex

December 04, 2019 08:30 AM Eastern Standard Time

CULVER CITY, Calif.--(BUSINESS WIRE)--ImmunityBio, a privately held immunotherapy company, has received Breakthrough Therapy Designation (BTD) from the U.S. Food and Drug Administration (FDA) for its interleukin-15 (IL-15) agonist complex, N-803, in combination with Bacillus Calmette-Guerin (BCG), for the treatment of patients with BCG-unresponsive non-muscle invasive bladder carcinoma in situ (CIS).

Breakthrough Designation Registrational Trial in BCG Unresponsive CIS NMIBC 2nd Line N-803 + BCG Compared to Pembro December Approval



Results of Phase 1 and 2 studies in BCG Unresponsive Non-Muscle Invasive Bladder Cancer in High Risk Carcinoma in Situ Disease Earn FDA Breakthrough Status for ImmunityBio's IL-15 Superagonist Complex

December 04, 2019 08:30 AM Eastern Standard Time

Application (sBLA) for pembrolizumab (Keytruda), for which Merck is seeking approval for the treatment of patients with Bacillus Calmette-Guerin (BCG)-

CULVER CITY, Calif.--(BUSINESS WIRE)--ImmunityBio, a privately held immunotherapy company, has received Breakthrough Therapy Designation (BTD) from the U.S. Food and Drug Administration (FDA) for its interleukin-15 (L-15) agonist complex, N-803, in combination with Bacillus Calimette-Guerin (BCG), for the trea BCG-unresponsive non-muscle invasive bladder carcinoma in situ (CIS). Dec 2019

Local Therapy – 1% Adverse Events

Drug	Patients	CR any time	CR 3 months	CR 6 months	CR 9 months	CR 12 months
N-803 + BCG	55	73% CI (57%, 85%)		Ongoin	g Study	

Pembrolizumab Granted Priority Review for Treatment of Patients With NMIBC Jan 2020	Pembro Systemic Therapy	96	NA	41% CI (25%, 51%)	NA	NA	20% CI (16%, 33%)
The FDA has granted priority review to a new supplemental Biologics License							

Systemic Therapy - >10% Adverse Events

Cancer Breakthroughs 2020: Evidence of Early Signals of Durable Complete Remission in Multiple Tumor Types



N-803





haNK PD-L1 t-haNK

Complete & Durable Responses in Advanced Metastatic Disease Across Multiple Tumor Types

Indication	Responses	Duration of Response	Chemotherapy Free
BCG Naïve Bladder Cancer (Phase I)	9 / 9 CR	> 24 Months	\checkmark
BCG Unresponsive CIS Bladder Cancer (Phase II)	34 / 46 CR	3 – 29 Months & Ongoing	\checkmark
3 rd Line Relapsed & Refectory Checkpoint Non-Small Cell Lung Cancer	10 / 56 ORR	2 – 45 Months & Ongoing	\checkmark
3rd Line Merkel Cell Carcinoma	2 / 7 CR	31 – 46 Months & Ongoing	\checkmark
Indolent Non-Hodgkin Lymphoma	10 / 21 CR	10 – 26 Months & Ongoing	\checkmark
4 th Line Head & Neck Cancer	1 / 4 CR	7 Months	Metronomic Low Dose
3 rd Line Triple Negative Breast Cancer	2 / 9 CR	9 – 12 Months & Ongoing	Metronomic Low Dose
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Metastatic Non-Small Cell Lung Cancer (NSCLC) N-803 in Combination with Nivolumab in 3rd Line or Greater Patients Relapsed and Refractory to Nivo or Chemo

Efficacy Endpoint	All Patients Enrolled (n=56)	PD-L1≥50% (n=16)
Median Progression Free Survival	3.5 Months (2.7, 5.1)	4.5 Months (1.4, 8.5)
Median Overall Survival	13.4 Months (9.6, 19.5)	17.1 Months (4.6, Ongoing)
Overall Response Rate	18%	38%
Stable Disease	45%	38%
Disease Control Rate	63%	75%

Jan 12, 2020: Presented, Plenary Session: Sixth AACR-IASLC International Joint Conference: Lung Cancer Translational Science from the Bench to the Clinic

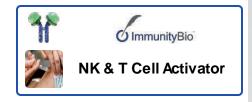


N-803 When Combined with Nivo Appears to Reduce AE's Associated with Checkpoint Inhibitors

Comparison of Immune Related AEs in 2nd Line Treatment of NSCLC

Agent	Trial	Immune Related AEs Grade 3 or higher
Nivo + N-803	NCT02523469	7%
Nivo Alone	Checkmate 57	~14%
Pembro Alone	Keynote 10	~15%

Evidence of Early Signals of Durable Complete Remission in Multiple Tumor Types



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Phase I/II: Complete Response in Merkel Cell Carcinoma Who Failed Checkpoints & Previous Chemotherapy



10/2014 First consultation at UW, Seattle



12/2014 After RT plus IFN plus Imiquimod



01/2015 Recurrent MCC nodules on scalp in RT fields. Started anti-PD-1 (pembrolizumab) for unresectable MCC



04/2015

anti-PD-1 after 12 weeks of pembrolizumab Pembrolizumab discontinued due to progressive disease



06/2015

Enrolled on a clinical trial of intralesional TLR-4 agonist plus RT



Durable Complete Response in Merkel Cell Carcinoma

aNK alone followed by Checkpoint



Treatment Initiation – August 2016 No Treatment Since July 2019 Durable Complete Response 42 Months and Ongoing

Patient alive and disease free to date (1,258 Days: 3.5 Years – As of Jan 11, 2020)



Cancer Breakthroughs 2020: Evidence of Early Signals of Durable Complete Remission in Multiple Tumor Types



N-803



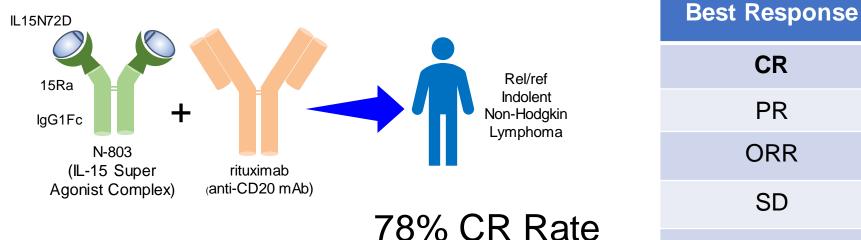


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Relapsed Indolent Non-Hodgkin's Lymphoma Phase 1/2 Clinical Trial of N-803 Plus Rituximab



CR	7 (78%)
PR	0 (0%)
ORR	7 (78%)
SD	2 (22%)
PD	0 (0%)

SubQ (N=9)

Cancer Breakthroughs 2020: Evidence of Early Signals of Durable Complete Remission in Multiple Tumor Types



N-803





haNK PD-L1 t-haNK

Complete & Durable Responses in Advanced Metastatic Disease Across Multiple Tumor Types

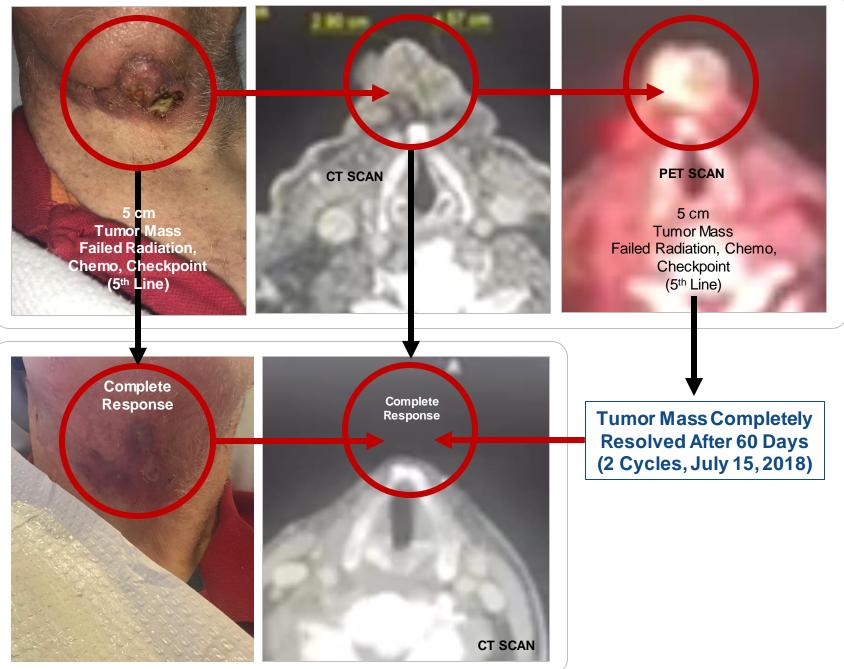
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5th Line Relapsed Head and Neck Cancer

Patient: 3090–001-002 Pre-Treatment 5th Line

Complete Response in 5th Line Metastatic Head & Neck Cancer After 2 Cycles

Complete Remission Post Cancer Memory Vaccine Treatment After 2-Cycles



Cancer Breakthroughs 2020: Evidence of Early Signals of Durable Complete Remission in Multiple Tumor Types



N-803





haNK PD-L1 t-haNK

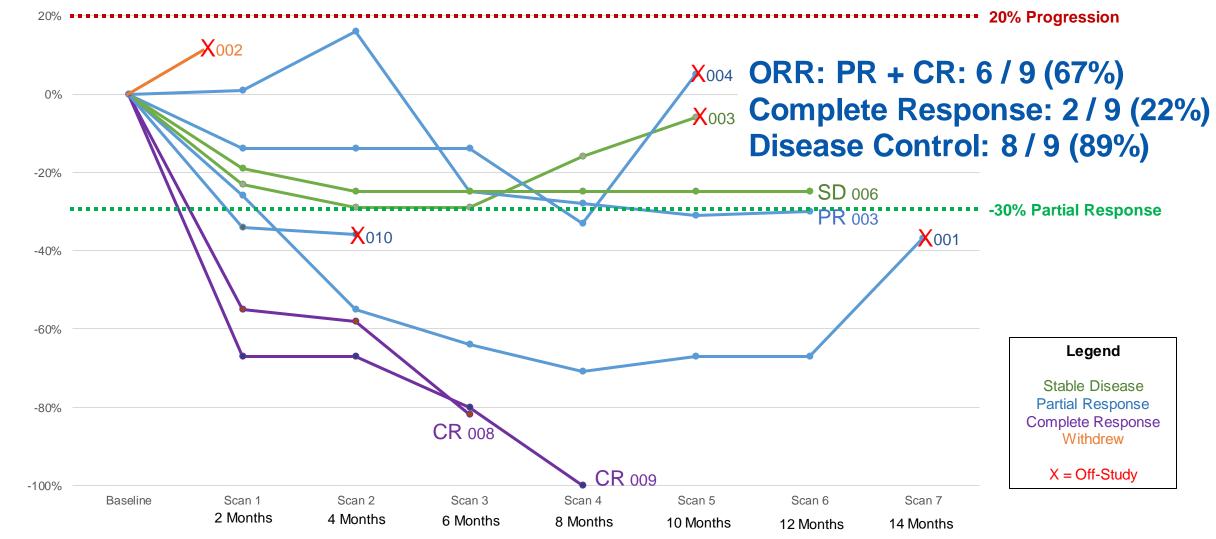
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3rd Line Triple Negative Breast Cancer

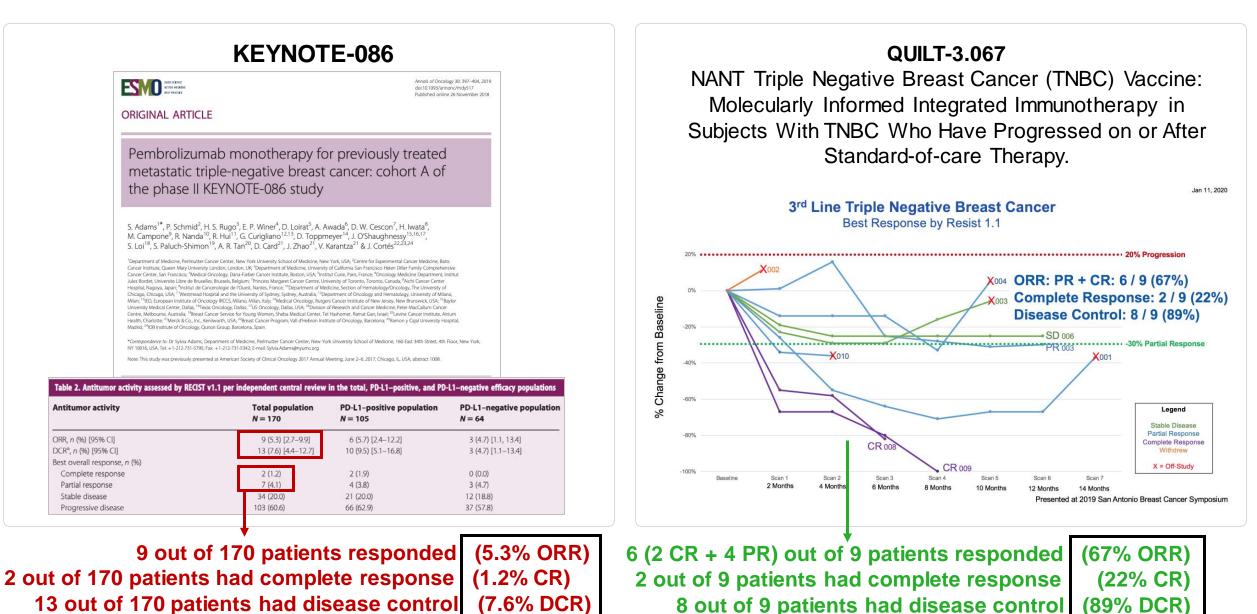
% Change from Baseline

Best Response by Resist 1.1



Presented at 2019 San Antonio Breast Cancer Symposium

Encouraging Efficacy Signals with Combination Therapy



30

Evidence of Early Signals of Durable Complete Remission in Multiple Tumor Types

59 out of 105 (56%) Complete Responses in 7 Tumor Types 69 out of 161 (41%) Overall Response Rate in 8 Tumor Types

Complete & Durable Responses in Advanced Metastatic Disease Across Multiple Tumor Types



N-803





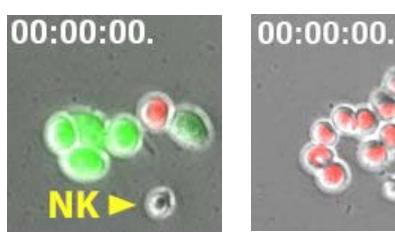
haNK PD-L1 t-haNK

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PD-L1 t-haNK (Tumor Targeted High Affinity NK) First In Human PD-L1 Off-the-Shelf NK

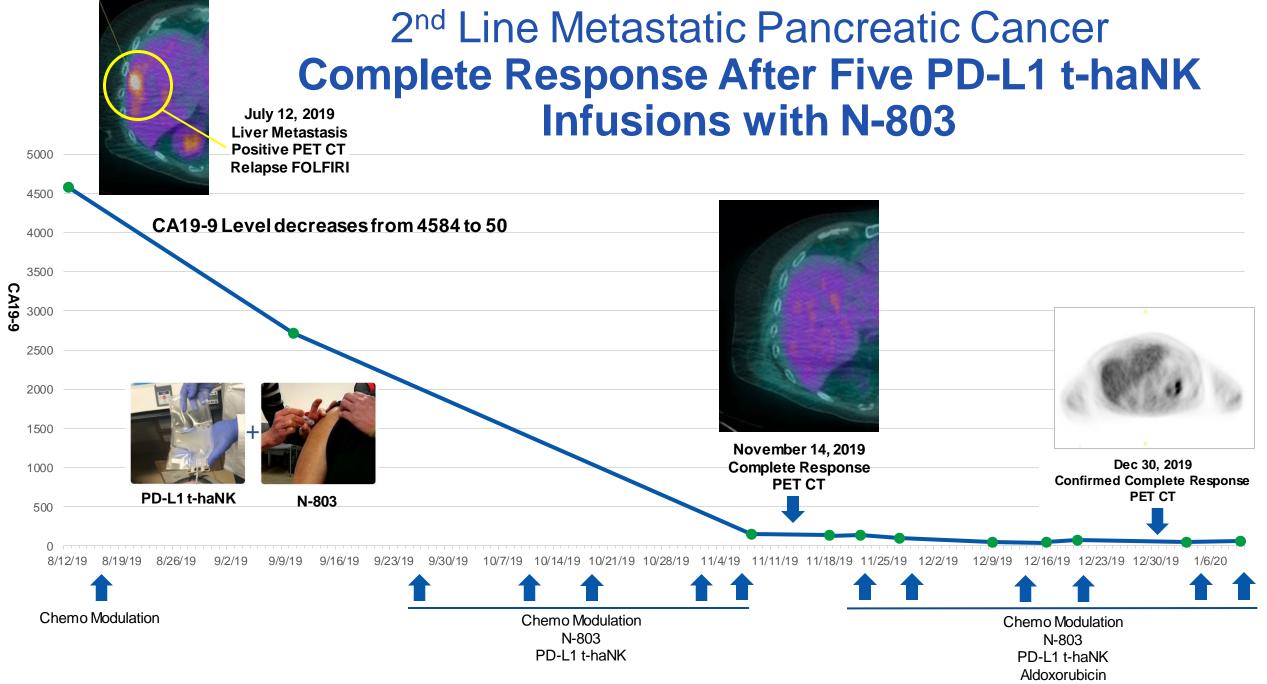
- haNK cells engineered to incorporate CARs to target cancer cells displaying specific surface antigens
- Three modes of killing: via NK receptors, ADCC, and CAR directed killing
- ADCC and CAR-directed cytotoxicity are independent but synergistic
- Currently in Development:
 - PD-L1 t-haNK Phase I Complete
 - CD19 t-haNK IND Approved
 - HER2 t-haNK IND Ready

Cytolytic Granules (Perforin and Granzymes) Innate Receptors Cytokines Cytokines Target A Cancer Cell Target B CAR © 2018 Nantkwest Inc. All rights reserved





HER2 taNK



Immunity Bio, Inc. & NantKw est Inc. - JP Morgan Healthcare Conference 2020

Evidence of Early Signals of Durable Complete Remission in Multiple Tumor Types

59 out of 105 (56%) Complete Responses in 7 Tumor Types 69 out of 161 (41%) Overall Response Rate in 8 Tumor Types

Complete & Durable Responses in Advanced Metastatic Disease Across Multiple Tumor Types



N-803

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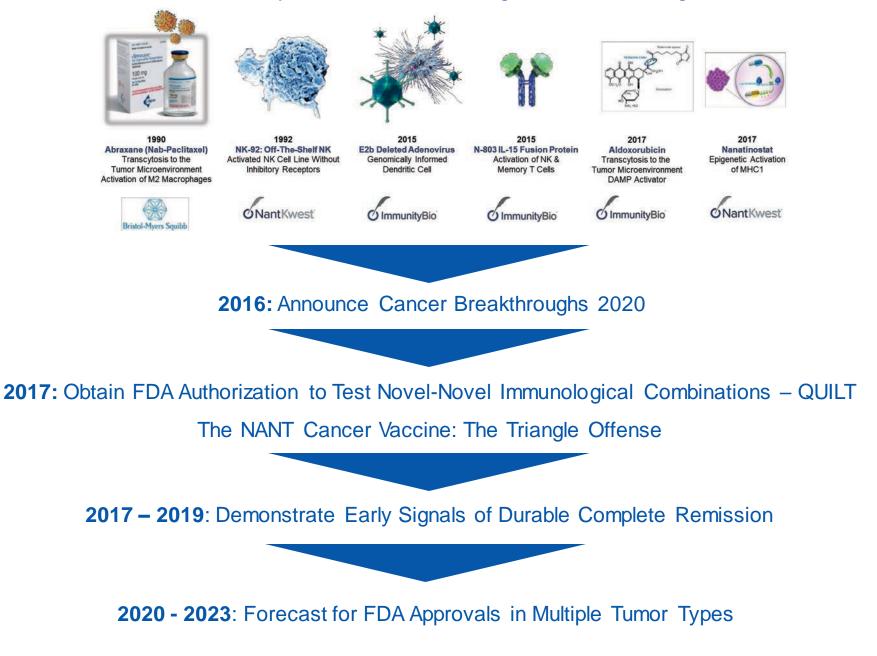




haNK PD-L1 t-haNK

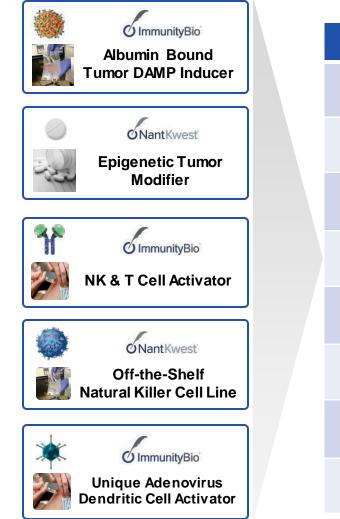
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1990 – 2017: Key First-in-Class Immunogenic Cell Death Agents



Phase I / II Trials to Test the Hypothesis of the "Triangle Offense" in Multiple Tumor Types

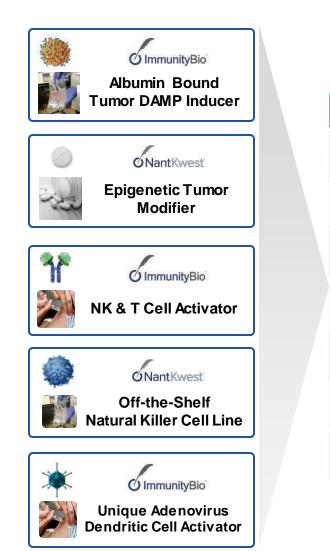
FDA Interactions and Authorizations



	2017	2018	2019	2017-2019
Formal Interactions with FDA	135	268	278	681
INDs Authorized by FDA	13	2	3	18
Pivotal Studies with Registrational Intent	4	1	2	7
spINDs Issued	11	26	38	75
Investigator-initiated (II)-INDs Issued	5	2	14	21
Fast Track Designations	2	0	1	3
Breakthrough Therapy Designation	0	0	1	1
FDA Approval	0	0	1	1

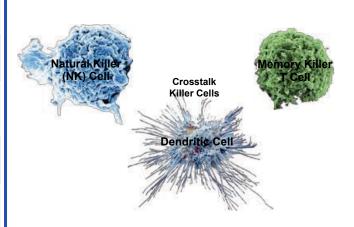
Tumor Types and Indications Treated Number of Tumor Types & Indications Image: Static Construction 1 Image: Static Construc	
Image: Construction of the construc	
Indolent Non-Hodgkin's Lymphoma 2 Indolent Non-Hodgkin's Lymphoma 2 Merkel Cell Carcinoma (MCC) 2 Non-Muscel Invasive Bladder Cancer (NMIBC) 2 Parcreatic 2 Prostate 2 Prostate 2 Prostate 2 Tumor DAMP Inducer 1 NantKwest Epigenetic Tumor Modifier 1 Studied (2017 – 2020) 1 Number of Tumor Types 36 1 Ewing Sarcoma 1	
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ImmunityBio Number of Tumor Types 36 Esophageal 1 Gastric 1 1	
ImmunityBio Number of Tumor Types 36 Ewing Sarcoma 1 Gastric 1	
Mumber of Tumor Types 36 Gastric 1	
Glioblastoma 1	
NK & T Cell Activator	
Number of Indications 48 Intravascular Angiosarcoma 1	
Laryngeal Squamous Cell Carcinoma 1	
NantKwest 1	
Melanoma 1	
Off-the-Shelf Mesothelioma 1	
Natural Killer Cell Line Myelodysplastic Syndrome (MDS) 1	
Osteosarcoma 1	
Progressive Multifocal Leukoencephalopathy (PML) 1	
Rectal 1	
Renal Cell Carcinoma (RCC) 1	
Unique Adenovirus Rhabdomyosarcoma 1	
Dendritic Cell Activator 1	
Spindle Cell Sarcoma 1	
36 Total Tumor Types 48 Total Indica	tions

Phase I / II Trials to Test the Hypothesis of the "Triangle Offense" in Multiple Tumor Types



Peer Review Publications 2017 - 2019

	Publications
Aldoxorubicin	15
Nanatinostat	1
N-803	23
Natural Killer Cells (aNK, haNK, PD-L1 t-haNK)	15
Adenovirus	4
GPS Cancer & Neoepitope	39
Total	94



Selected Key Publications



Claudia Palena¹, John Z. Sanborn², Zhen Su³, Peter Ordentlich⁴, Lars Rohlin⁵, John H. Lee⁶,

Shahrooz Rabizadeh^{2,5}, Patrick Soon-Shiong^{2,5}, Kayvan Niazi⁵, Jeffrey Schlom¹, and

Duane H. Hamilton¹

Todd A. Fehniger, Brian T. Hess, Veronika Bachanova, Michelle Becker-Hapak, Ethan McClain, Meiissa Berrien-Elliott, Julia Wagner, Nancy L. Bartlett, Brad Kahl, Neha Mehta-Shah, Amanda F. Cashen, Feng Gao, Kyle Conradi, Amy D. Rock, Emily K. Jeng, Liza Hernandez Jack O. Egan, Peter R. Rhode, and Hing C. Wong DOI: 10.1158/1538-7445.AM2018-CT146 Published July 2018

Immunity Bio, Inc. & NantKwest Inc. - JP Morgan Healthcare Conference 2020

"Laboratory of Tumor Immunology and Biology and ^bGenitourinary Malignancies Branch, Center for Cancer Research, National Cancer

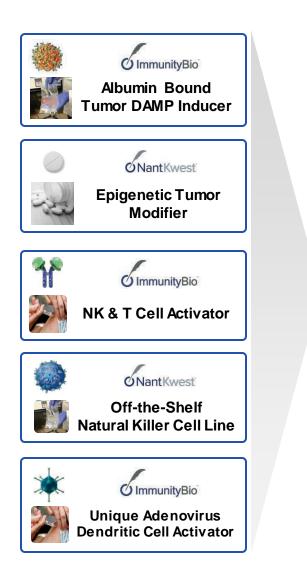
Institute, National Institutes of Health, Bethesda, Marvland, USA: "Biostatistics and Data Management Section, National Cancer

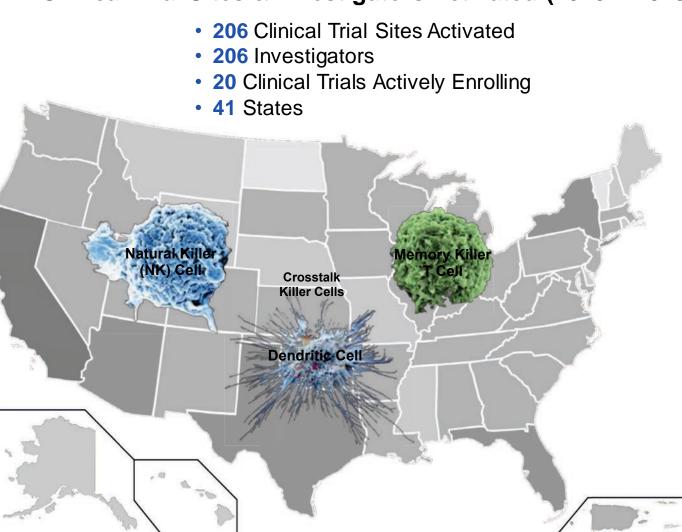
Institute, National Institutes of Health, Bethesda, Maryland, USA: "Leidos Biomedical Research, Inc., Frederick, Maryland, USA

Contributed equally as first authors.

Contributed equally as senior authors.

Phase I / II Trials to Test the Hypothesis of the "Triangle Offense" in Multiple Tumor Types





Clinical Trial Sites & Investigators Activated (2016 – 2019)

Off the Shelf Natural Killer Cells as a Product: World's Largest Production and Clinical Infusion of Natural Killer Cells



3.3 Trillion Cells Manufactured





1.6 Trillion Cells in Storage

Off-the-Shelf Natural Killer Cells Linearly Scalable By the Numbers:

aNK / haNK / PD-L1 t-haNK	2017 – 2019
Number of Cells Manufactured in GMP Facility to Date	3.3 Trillion Cells
Number of Patients Dosed as Outpatient	53
Number of Doses Administered (>2 Billion Cells Per Dose)	719
Number of Cells Administered to 53 Patients Since 2017	1.5 Trillion Cells
Number of Cells in Storage	1.6 Trillion Cells
NK Treatment Related Cytokine Storm	Zero



Off-the-Shelf Engineered NK-92 aNK, haNK, PD-L1 t-haNK Ready for Transfusion



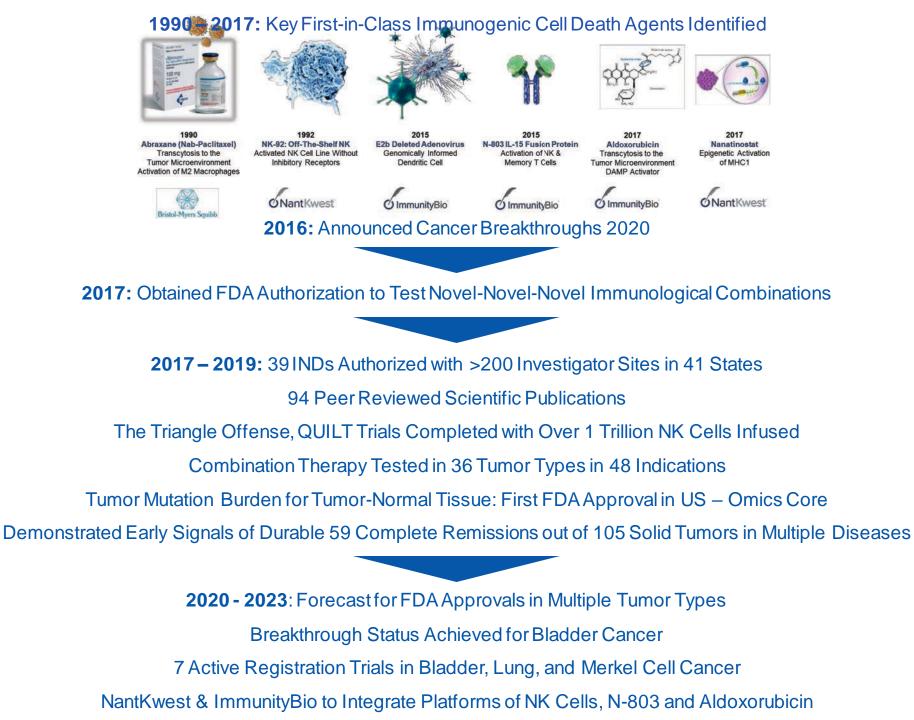
Cryopreserved Off-the-Shelf NK Product

Cancer Breakthroughs Forecast for Next Four Years

Anticipated BLA Registration Filings 2020-2024

	Tumor Types & Indications	Filing Date Forecast	ImmunityBio	NANT Agents	NantKwest	# of Sites	# of Patients Accrued to Date
Bladder	Bladder Cancer: BCG Unresponsive	2020	ImmunityBio N-803			35 Active Sites	FDA Breakthrough 55 / 80
	Bladder Cancer: BCG Unresponsive NMIBC Papillary	2021	ImmunityBio N-803			35 Active Sites	FDA Fast Track 40 / 80
	Bladder Cancer: BCG Naive NMIBC CIS	2023	ImmunityBio N-803			32 Active Sites	FDA Fast Track 49 / 366
Lung	Durable Response Non-Small Cell Lung Cancer: Checkpoint Relapsed 2 nd Line	2021	ImmunityBio N-803			25 Active Sites	19 / 55
	Non-Small Cell Lung Cancer: Checkpoint Relapsed 3 rd Line	2021	ImmunityBio N-803			25 Active Sites	8 / 43
	Non-Small Cell Lung Cancer: PD-L1 Expression Second Line	2021	N-803		ONantKwest PD-L1 t-haNK	To Be Opened	0 / 55
	Non-Small Cell Lung Cancer: PD-L1 Expression 1 st Line	2023	ImmunityBio N-803			28 Active Sites	11 / 388
TNBC	Complete Response Triple Negative Breast Cancer 3 rd Line	2022	ImmunityBio N-803	ImmunityBio Aldox	NantKwest PD-L1 t-haNK	To Be Opened	0 / 43
MCC	Merkel Cell Carcinoma: Complete Response Checkpoint Relapsed, 2 nd Line	2023	ImmunityBio N-803		NantKwest haNK	3 Active Sites	1 / 43
Panc	Metastatic Pancreatic Cancer Complete Response 2 nd Line	2024	ImmunityBio N-803	Aldox	NantKwest PD-L1 t-haNK	To Be Opened	0 / 188

Immunity Bio, Inc. & NantKw est Inc. – JP Morgan Hea Total Patients Accrued To Date = 183 / 1341



The Cross Talk of the Immune System in Cancer Inducing Immunogenic Cell Death

