Disclaimer

This presentation is provided by Kiromic BioPharma, Inc. (the "Company") for the express purpose of giving prospective investors, bankers, employees, consultants, and corporate affiliations information regarding the Company to assist the recipient in evaluating a potential formal association with the Company. While the information contained herein or in any other materials that may be provided by the Company is believed to be true, accurate and reasonable, the Company makes no such representation or warranty, express or implied, as to the veracity, accuracy, reasonableness or completeness of such information. The Company expressly disclaims any and all liability which may be based on such information, any errors therein or omissions therefrom. This presentation does not imply an offering of Securities. This presentation may contain forward-looking statements within the meaning of applicable securities regulations. All statements other than statements of historical facts are forward-looking statements. In some cases, forward-looking statements may be identified by the use of words such as "anticipate," "believe," "plan," "estimate," "expect," "intend," "may," "will," "would," "could," "should," "might," "potential," or "continue" and variations or similar expressions. Readers should not unduly rely on these forward-looking statements, which are not a guarantee of future performance. There can be no assurance that forward-looking statements will prove to be accurate, as all such forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause actual results or future events to differ materially from the forward-looking statements. Such risks include, but may not be limited to: general economic and business conditions; technology changes; competition; changes in strategy or development plans; governmental regulations and the ability or failure to comply with governmental regulations; the timing of anticipated results; and other factors referenced in the Company's business materials and prospectuses.

Free Writing Prospectus

Kiromic Bioharma, Inc. ("we" or "us") has filed a registration statement (including a preliminary prospectus) (the "Registration Statement") with the Securities and Exchange Commission (the "SEC") on Form S-1/A (SEC File No. 333-238153) for the offering to which this presentation relates.

Such registration statement has not yet become effective. Shares of our common stock may not be sold, nor may offers to buy be accepted, prior to the time the registration statement becomes effective. Before you invest, you should read the preliminary prospectus and other documents we file with the SEC for more complete information about our company and this offering.

You should read the prospectus in the Registration Statement and other documents that we have filed with the SEC for more complete information about us.

You may access these documents for free by visiting EDGAR on the SEC web site at
www.sec.gov or by contacting Thinkequity, a Division of Fordham Financial Mgmt., Inc.,
17 State Street, 22nd Floor, New York, NY 10004, by telephone at (877) 436-3673 or by email at prospectus@think-equity.com.
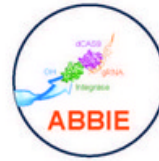
Offering Summary

Proposed **Aggregate Offering**	$25,000,000
Price Range	$12.00 -14.00 per share
Proposed Symbol	KRBP (NASDAQ Capital Markets)
Shares Offered	1,923,100 Shares
Pre-IPO Common Shares	6,083,000 Shares as converted (07/06/2020)
Post-IPO Common Shares	8,006,100 Shares
Use of Proceeds	Advancing clinical development of PD-1, Iso-Mesothelin, our lead CAR-iNKT for the treatment of solid tumors, R&D working capital, general corporate
Sole Book Runner	ThinkEquity, a division of Fordham Financial Management, Inc.

Kiromic at a Glance

Diamond AI
Artificial Intelligence Neural Network
for Target Selection

We are connecting the dots in cancer research by using AI and machine learning to connect silos of informations and arrive at cancer targets which will be more effective vs. classic development, saving man-years and billions in development dollars.
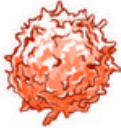
Non-Viral
Genome edit and delivery

Our single-cut gene edits carry a lower mutagenesis risk vs. classic double-cut gene edits.

Our CAR receptors will also have higher safety with an on-demand cut-off switch vs. classic CAR therapies with no off-switch.

ABBIE

Gamma Delta T-cell
Immune Cell Type

Our CAR Therapy will be using off-the-shelf Gamma-Delta T-cells and will have a higher yield and significantly lower yield variability vs. classic CAR-T therapies.
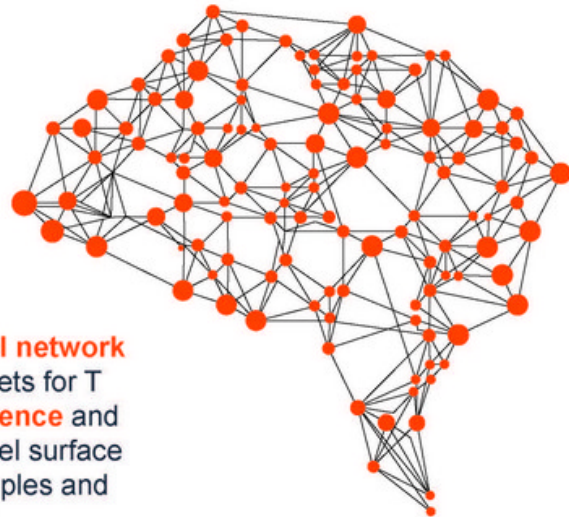
Micro Tumor Environment

Our CAR Therapies will be able to access the micro tumor environment due to our PD-1 check-point inhibitor vs. classic CAR-T therapies.

Classic CAR-T are limited to hematologic indications.

Solid Tumor

KIROMIC

Diamond AI

Artificial Intelligence Neural Network
for Target Selection

Diamond is a computational platform and a **neural network** that can identify new cancer immunological targets for T cells and B cells. Diamond is an **artificial intelligence** and **machine learning** approach that can identify novel surface tumor targets. It uses public and proprietary samples and can expand into the tumor target space.

ADVANCING CAR through A.I.

Big Data Science

meets

Target Identification

Big Data Science

Manual Target Identification

dramatically compressing

Man-Years and Billions of Drug Development Dollars

to develop a live drug
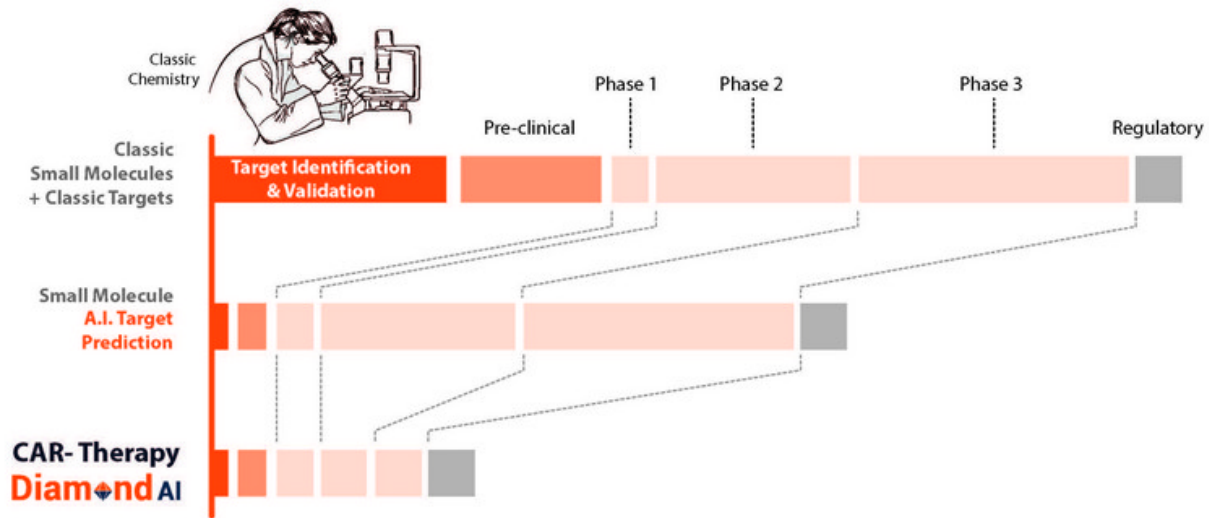
Artificial Intelligence Engine's
Compression of Time & Costs
for live drug development

KIROMIC

| | | Pre-clinical | Phase 1 | Phase 2 | Phase 3 | Regulatory |

Classic Chemistry

Classic Small Molecules + Classic Targets — Target Identification & Validation

Small Molecule A.I. Target Prediction

CAR- Therapy Diamond AI

Management

CEO
Director

Maurizio Chiriva-Internati, PhD

Mr. Chiriva-Internati is an associate professor at MD Anderson Cancer Center. He has spent the past 28 years studying cancer targets and is the founder of Kiromic Artificial Intelligence Neural Network. He has published +160 articles (+peer reviews) on cancer targeting and on the use of AI to expedite the search for these targets. He holds PhD in immunology (U of Nottingham), PhD in morphological science (Milan), and a Certificate in Artificial Intelligence - M.I.T.

CFO
COO
Director

Tony Tontat

Mr. Tontat brings to Kiromic over 2 decades of business experience from public (NASDAQ: SRNE, NK) and privately held biotechs. He had been healthcare analysts at specialist healthcare investment funds in New York, and Connecticut. He was also an investment banker at HSBC Securities in their New York, London, and Paris offices. Bachelor of Arts in Economics - Harvard University.

CSIO
Director

Gianluca Rotino   Chief Strategy, Innovation Officer

Mr. Rotino held CEO and Chairman roles in several Italian companies specializing in high-tech, and corporate consulting. He also worked at law firms in Milan where he specialized in M&A, intellectual property prosecution and corporate law. He holds a business development degree and bachelor of science (Pharma focus) - EBD Academy in London, and completed the drug discovery, develop. and commercialization - U.C. San Diego.

CMO

Scott Dalhbeck, MD, PharmD

Dr. Dalhbeck was a radiation oncologist and was an adjunct professor of internal medicine, pathology, and urology at Texas Tech. He has also patented, manufactured, and commercialized IP and has more than a decade of experience in medical and oncology commerce. He holds an MD - Texas Health Science Center, and a PharmD - U of Nebraska. His residency was at Kaiser Permanente of Los Angeles.

Diamond AI Processes
non-exhaustive list of functions being applied by A.I. Engine

KIROMIC

Prioritizing T and B Cell Targets

Diamond generates a prioritized list of cancer immunological targets for T cells and B cells.

These targets can be used to create therapies such as antibody therapies, T cell therapies, T cell receptor therapies, CAR T cell therapies and vaccine therapies.

Identify Highly Expressed Genes

Diamond's cognitive and deep learning capabilities extract information from our extensive digital library consisting of clinical studies, genomic and proteomic datasets.

Diamond harmonizes all the raw data and creates datasets which allows us to screen for cancer targets.

Diamond will identify and prioritize lists of genes (biomarkers, wild type, mutant, isoform, neoepitope, etc.) that are highly and specifically expressed in the disease of interest while providing its distribution and methylation status across the entire patient population.

It also maps out the exact portion of the gene that will elicit an immune response.

Perform Meta Analysis

Diamond performs meta-analysis and convolution studies while standardizing and normalizing data across multiple and variable experimental platforms, then allows for the visualization of consistent and accurate results in a user-friendly fashion.

Predict Isoform Targets

Cancer cells will down regulate or shed targets in order to avoid detection and destruction by T cells (the immune system).

These variations are known as isoforms.

CancerSplice also shows a box plot by tissue of expression of the isoform in normal cancer genome atlas tissues and a box plot of the matching isoform in genotype-tissue expression program normal data.

The sequence of amino acids that are specific for the selected cancer isoforms are then directly fed to Diamond's artificial neural capsule network for peptide design and prioritization.
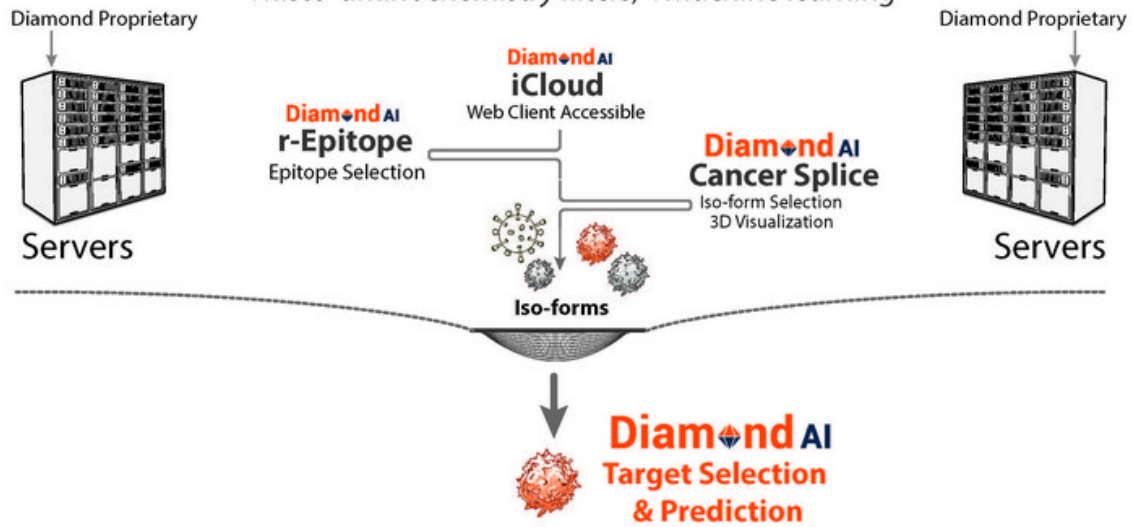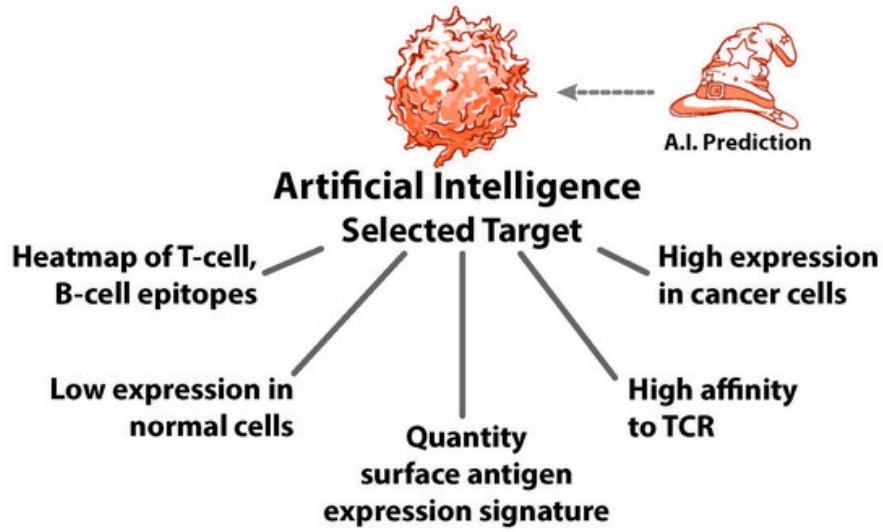
Step 1
Big Databases

Public Databases

The Cancer Genome Atlas

Cancer immune peptides database

Private

A.I. Engine

Servers
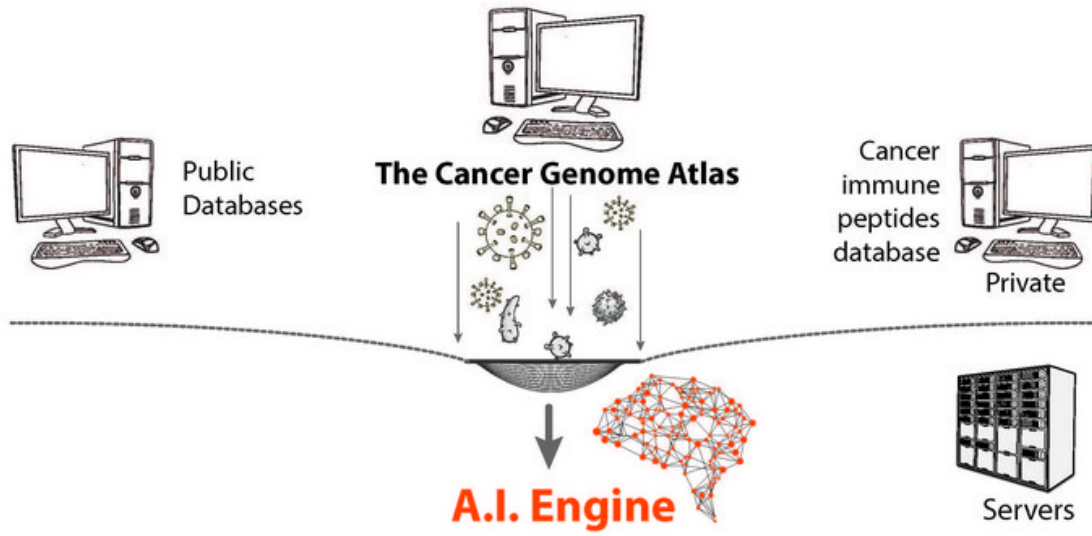
Step 2

Artificial Intelligence Engine

+histo-aminochemistry filters, +machine learning

12

Diam◆nd AI
Prediction

KIR◆MIC

A.I. Prediction

Artificial Intelligence
Selected Target

Heatmap of T-cell,
B-cell epitopes

High expression
in cancer cells

Low expression in
normal cells

High affinity
to TCR

Quantity
surface antigen
expression signature

Step 4

Target Validation

We rigorously validate all targets from our A.I. Prediction Engine
Internal validations and then external validation

Wet Lab Validation

MD ANDERSON
CANCER CENTER

Baylor University
University of Rome

Algorithm Validation

Yale   JOHNS HOPKINS
UNIVERSITY

Diamond AI
CancerSplice ™

A key A.I. Engine

Target isoforms are protein variants of the same targets that occur during the normal processing of immature gene transcripts to the mature form.

Target isoforms include variations in their primary amino acid sequence that can change both the final folded form of the target plus their ability to be recognized by modified T cells (autologous/allogeneic) and other cells, such as NK or invariant NKT cells (often used in the allogeneic setting).

If they are the predominate form on the cell surface, these isoforms can make it impossible for T cells to outright bind the targets on cancer cells.

No binding or insufficient binding to the isoform results in no killing of cancer cells.

Our CancerSplice accurately predicts the most appropriate isoforms for T cells to bind and destroy cancer cells.

Targets Which We Have Identified

How our identified targets are
developed into therapies for live drugs to treat cancer

AIDT-1
Target

|

Hematology

Iso Mesothelin
Target

|

MPM

(Malignant Pleural Mesothelioma)
Solid Tumor - Lung

Iso Mesothelin
Target

|

EOC

(Epithelial Ovarian Cancer)
Solid Tumor - Ovarian

Indications: By the Numbers

Ovarian Cancer

300,000
Worldwide number of patients
American Cancer Society

21,750
2018 new cases in the USA
American Cancer Society 2018

$1.2 BLN in 2018
Grand View Research (July 2019)

MPM - Lung Cancer

43,000
Worldwide number of patients
American Cancer Society

3,000
Annually in the USA
American Cancer Society 2018
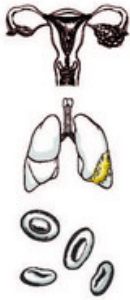
$300 M by 2025
Persistent Market Research, Jul 2017

Hematological Cancers

200,000
Worldwide number of patients
American Cancer Society

30,000
Annual Diagnosis in the USA
American Cancer Society 2018

$4.6 BLN   by 2025
BIS Research, Nov 2019

Our Pipeline

|	In vitro validation	Pre clinical	IND	Phase 1	Phase 2	Phase 3
Alexis (γδ-T cells) Allogenic / Iso-Mesothelin EOC (Solid, Ovarian)	▮					
Alexis (γδ-T cells) Allogenic / Iso-Mesothelin MPM /Pleural mets (Solid, Pleural)	▮					
Alexis (γδ-T cells) Allogenic / AIDT-1 (Hematologic Indications)	▮					
PD-1 check point inhibitor (Solid Tumors)	▮	▮				

PD-1 Check-Point Inhibition

A protein found on T cells (a type of immune cell) that helps keep the body's immune responses in check.

When PD-1 is bound to another protein called PD-L1 (tumor) , it helps keep T cells from killing other cells, including cancer cells. Some anticancer drugs, called immune checkpoint inhibitors, are used to block PD-1.

When this protein is blocked, the "brakes" on the immune system are released and the ability of T cells to kill cancer cells is increased.

Isoform Mesothelin

This is our lead target candidate which came out of our Artificial Intelligence Prediction Engine.

Isoform targets are highly expressed on cancer cells while very lighly expressed on normal (healthy) cells.

Clinical Programs

Target - - - - - - → **PD-1 Iso-Meso**

Cell Type - - - - - → Gamma-Delta Cells sub-type of immune cells
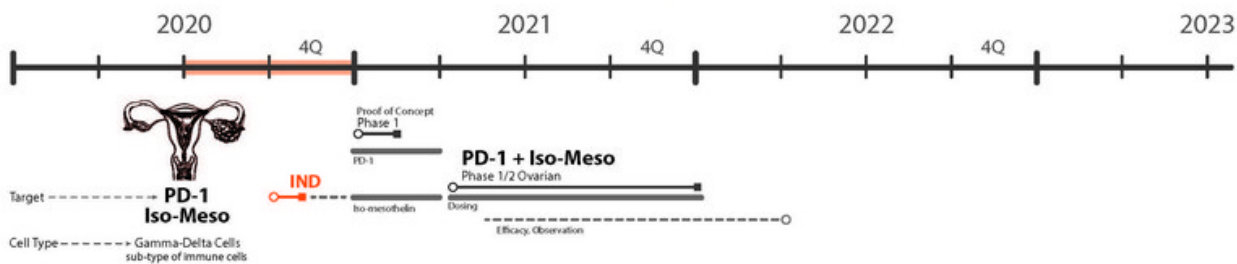
Solid Tumors: PD-1's Role

Classic CAR-T therapies are currently not being used in solid tumors. Solid tumors have PD-1s in their micro tumor environment. PD-1 put the "brakes" on T and NK Cells' killing of antigens (tumor cancer cells).

By inhibiting PD-1, our CAR Therapies will be able to access the micro tumor environment and kill solid tumor cancer cells which have eluded killing by classic CAR-T therapies.

PD-1 + Iso-Meso
Gamma-Delta Cells

Hematology
Gamma-Delta Cells

19
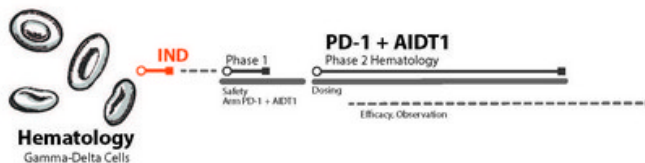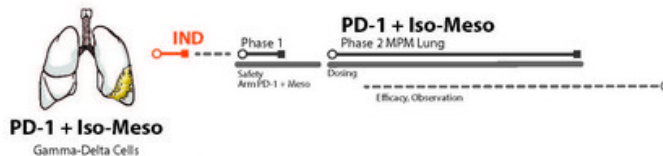
ADVANCING CAR through A.I.

Our Therapeutic Products

Allogenic CAR

Immuno CAR-GD-T Therapy

in solid tumors

CAR = chimeric antigen receptors

Allogenic Engineered Immune Therapy
Step 01: Fractionation

Healthy Donor
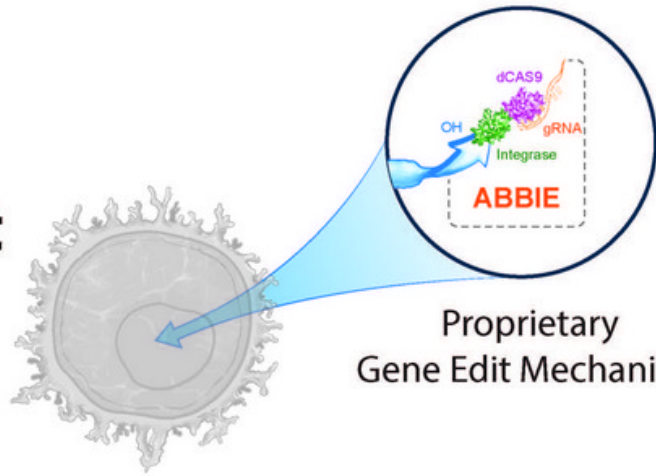Screening shows donor
has healthy
Gamma-Delta T cells

Whole Blood

Fractionation
Gamma-Delta T cells
extracted

Allogenic Engineered Immune Therapy

Step 02: Genome Edit

Genome Edit
Gamma-Delta T cells

dCAS9
OH
gRNA
Integrase
ABBIE

Proprietary
Gene Edit Mechanism

22

ABBIE:
Non-Viral Genome Editing Mechanism

ABBIE is a novel gene-editing system for inserting therapeutic genes safely into the genome of a host cell.

ABBIE technology comprises two main components,

(i) a genome template (extracted from the ALEXIS plasmid), containing the therapeutic genes needed to retrain tumor-killing cells, and

(ii) the gene-editing machinery required to safely insert this template into the genome of the therapeutic cells.

The ABBIE protein accompanies the CAR-containing genome template as it passes through the cell membrane into the nucleus and guides the template-flanking sequences (the "glue") safely into the target genome.

Due to this targeting ability, ABBIE can also be used to remove unwanted, inhibitory genes. CAR expression on the Gamma-Delta T cells allows them to detect and destroy the antigen-expressing targeted cells.

The OFF switch permits fast shutdown in the event of an unexpected toxicity. Additional Anti-tumor factors can help neutralize the toxic tumor microenvironment.
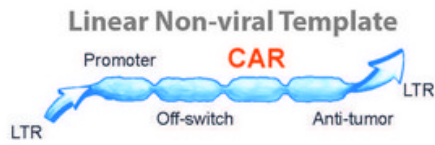
ABBIE Gene Editing Technology

Linear Non-viral Template

Figure 1. Our ABBIE gene-editing technology begins with the transgene template plasmid. Plasmid DNA is cut with restriction enzyme, Scal, liberating the transgene template along with the retroviral-derived long-terminal repeats (LTRs), which is purified away from the plasmid DNA and Scal protein.
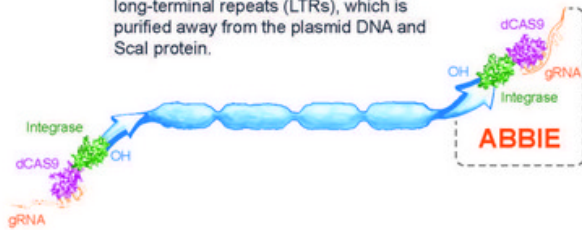

Figure 2. The ABBIE integrase, derived from HIV, is added, which binds to the LTRs and exposes a reactive 3'-OH group on each end.
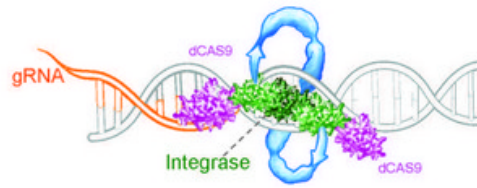

Figure 3. The guide RNA (gRNA) tethers ABBIE-bound template to the target site via DCas9, and Integrase helps to attach the exposed 3'OH groups to the target site on both strands without causing a dsDNA break.
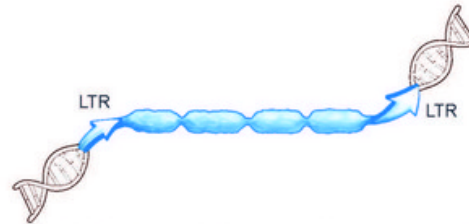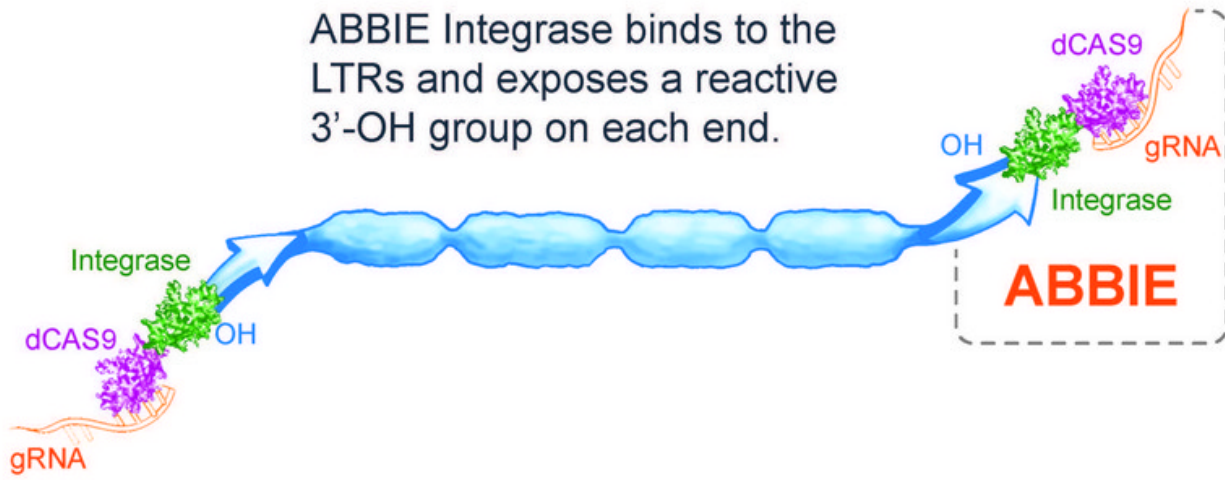

Figure 4. Following stable integration of the template into the target DNA locus, a short DNA duplication is present on each end.

ABBIE Integrase binds to the LTRs and exposes a reactive 3'-OH group on each end.

Allogenic Engineered Immune Therapy
Step 03: Gamma-Delta T Cells expanded invitro

Chimeric Antigen Receptor

CAR - - - - - - - - -
Receptor

Gamma-Delta T Cells
start expressing
CAR Receptors

Expansion

CAR CAR CAR CAR CAR CAR

Engineered
Gamma-Delta T Cells
expanded invitro

How We Know: GD-T cell Expansion Works

γδ T cell phenotyping

zoledronic acid
+IL-2

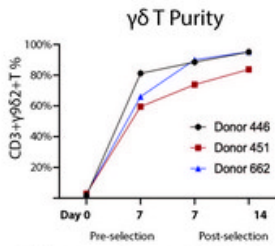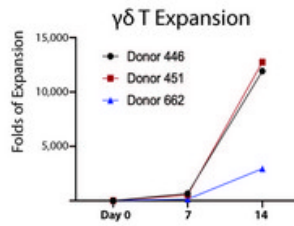PBMC Isolation — DAY 0 — γδ T cell initial expansion — γδ T cell negative selection & transduction — DAY 7 — γδ T cell first expansion — γδ T cell product second expansion — DAY 14
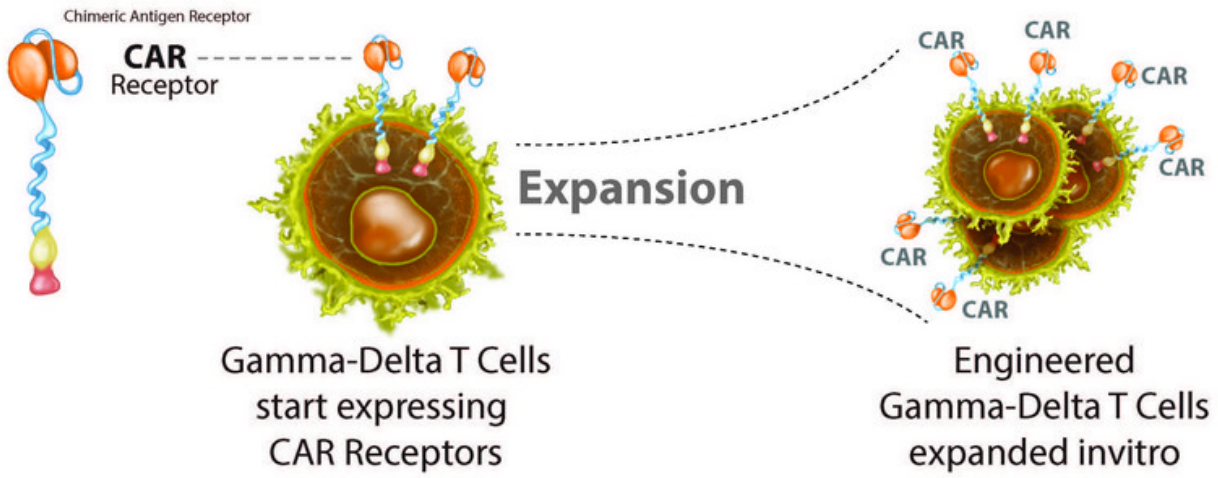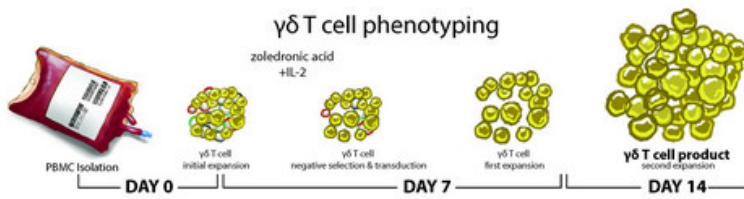
A large fold of expansion of highly pure γδ T cells during in vitro stimulation, culture, isolation and expansion process.

γδ T Purity

CD3+γ9δ2+T %

Donor 446
Donor 451
Donor 662

Day 0 — 7 — 7 — 14
Pre-selection   Post-selection

The percentage of CD3+γ9+δ2+ T cells over 14-day culture.

γδ T Expansion

Folds of Expansion

Donor 446
Donor 451
Donor 662

Day 0 — 7 — 14

The expansion fold of CD3+γ9+δ 2+ T cells with our method.
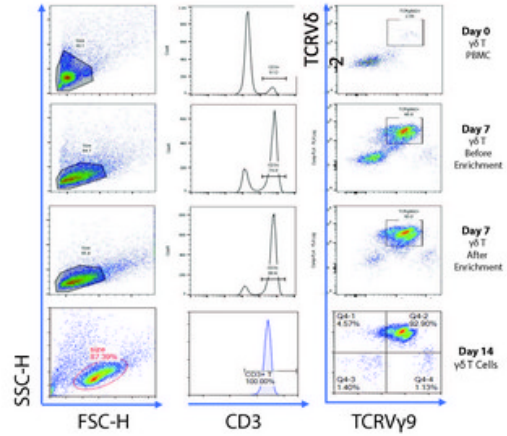
CONCLUSION

Our method of γδ T expansion yield highest 12,000-fold expansion of γδ T cells, which is over 95% purity for positive for CD3, Vγ9, and Vδ2.

This has potential to produce enough number γδ T for clinical use.

Allogenic Engineered Immune Therapy
Step 04: GD-T Cells infused into Patient

CAR CAR CAR CAR CAR CAR

Gamma-Delta T cells

Off-The-Shelf

**Engineered
Immune Cell Therapy**
Gamma-Delta T cells

Gamma-Delta T cells

Patient receives engineered
Immune Cell Therapy
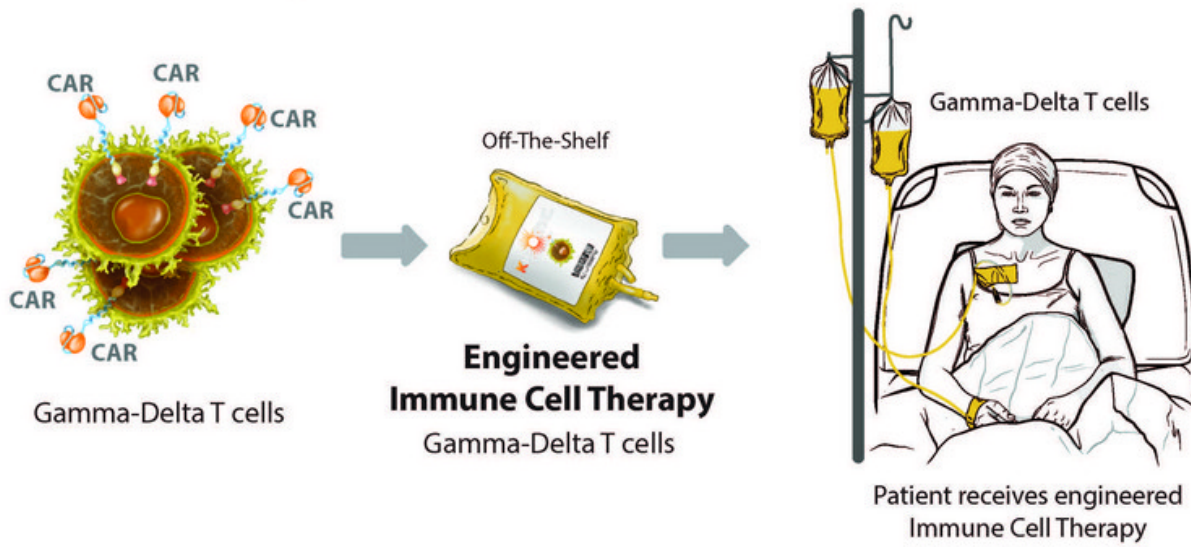
Up-Armoring

Accessory proteins can "up-armor" cellular therapies

Strategic choice of proteins to improve cellular function and neutralize anti-immune responses

Linear Non-viral Template

Promoter **CAR**

LTR

Off-switch   Anti-tumor   LTR
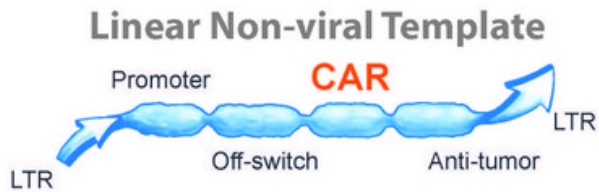
* Activated signaling molecules chosen to enhance cell persistence by stimulating cytokine pathways

* Targeting the immunosuppressive "reactive" stroma can enable tumor targeting by therapeutic cells while increasing anti-tumor efficacy

Switches

ACTIVATION Switch

A rapidly deployed activation switch can provide a survival and proliferation signal to the therapeutic cells to enhance their efficacy and persistence in vivo.

ATTENUATION Switch

A rapidly deployed attenuation switch can intercept activation signals transiently to minimize toxicity following successful anti-tumor interactions. Choice of two non-mutually exclusive Attenuation Switch approaches:

(a) a protein-based switch that rapidly triggers attenuation of target cells in a dose-dependent fashion.

(b) a small molecule-based approach to rapidly and reversibly attenuate cell signaling.

SAFETY Switch

A rapidly deployed, protein-based safety switch can eliminate therapeutic cells in case of acute toxicity. The safety switch is designed to eliminate either:

(a) essentially all active therapeutic cells.
(b) only the most active cells, preserving a cohort of backup therapeutic cells for long-term control of residual relapsing tumor cells.

The Safety Switch will be co-expressed along with the bioactive chimeric activation receptor (CAR), the Activation Switch, and the Attenuation Switch.

Use of Proceeds
$25M Raise
Net of offering expenses

Clinical
$5,600,000

Initiation of clinical trials for ALEXIS Isoform Mesothelin
EOC and PD-1 product candidates

IP
$240,000

R&D Working Capital & General Corporate
$16,100,000

Comparables

A.I. Targets + Small Molecules

SCHRÖDINGER	**$6.02 BLN** *IPO Feb 2020*
BLACK DIAMOND THERAPEUTICS	**$1.18 BLN** *IPO Jan 2020*
bt bioxcel therapeutics	**$1.08 BLN** *IPO Mar 2018*
Lantern Pharma	**$79 M** *IPO Jun 2020*

CAR-T and CAR-NK

Fate THERAPEUTICS	**$3.06 BLN** *Public*
NEKT	**$4.36 BLN** *Public*
Kite Pharma	**$11.9 BLN** *Acquired*
JUNO THERAPEUTICS	**$9.0 BLN** *Acquired*

Market data as of 07/13/2020, Yahoo Finance intraday

Cap Table

Capitalization (07/13/2020)	
Common Stock	* 6,083,000
Option (WAEP $11.84)	617,999
RSU (WAVG GDFV $19.00)	709,334
Fully Diluted Common	7,410,332

*Includes conversion of 21,822,301 Shares of Series A-1 Preferred Stock into 624,594 shares of common stock; 16,391,397 shares of Series B Preferred Stock into 469,136 shares of common stock

Company's info as Tuesday, 07/13/2020

Valuation

Valuation drivers are blended values from the following:

Artificial Intelligence Predicted Targets
(vs. classic targets)

CAR Therapies
(vs. classic small molecule)

**CAR Allogenic (Gamma-Delta T cells)**
(vs. classic CAR-T autologous)

Solid Tumor (PD-1 checkpoint inhibition)
(vs. classic CAR-T liquid cancers)

KIROMIC

KIROMIC

Diam♦nd AI
Artificial Intelligence Neural Network
for Target Selection

We are connecting the dots in cancer research by using AI and machine learning to connect silos of informations and arrive at cancer targets which will be more effective vs. classic development, saving man-years and billions in development dollars.
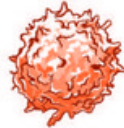
ABBIE
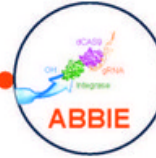
Non-Viral
Genome edit and delivery

Our single-cut gene edits carry a lower mutagenesis risk vs. classic double-cut gene edits.

Our CAR receptors will also have higher safety with an on-demand cut-off switch vs. classic CAR therapies with no off-switch.

Value Drivers

Our CAR Therapy will be using off-the-shelf Gamma-Delta T-cells and will have a higher yield and significantly lower yield variability vs. classic CAR-T therapies.

Gamma Delta T-cell
Immune Cell Type

Our CAR Therapies will be able to access the micro tumor environment due to our PD-1 check-point inhibitor vs. classic CAR-T therapies.

Classic CAR-T are limited to hematologic indications.

Solid Tumor
Micro Tumor Environment

KIROMIC

THANK YOU

7707 Fannin Street, Suite 140
Houston, Texas 77054
+1 (806) 368 - 6731

ttontat@kiromic.com

Intellectual Property

Diamond AI
Artificial Intelligence Neural Network
for Target Selection

ABBIE

Platform for Identification of Tumor- Associated Cancer/Testis Antigens (15/731,143 Utility Application) –

Claims: Composition of matter, use and process for a method of identifying cancer/testes antigens (CTAs) useful as cancer treatment targets, the method comprising: identifying human sperm proteins to which patients diagnosed with solid or hematological malignancies have established a humoral immune response

Method for the identification and use of hot-spot mutations and tumor-associated splice isoforms in cancer immunotherapy (62/921,127 Provisional Application) – No claims filed

Anti-Human/Mouse Sperm Protein 17 (SP17) Antibody and Derivatives Thereof (15/530,964 Utility Application) -

Claims: Composition of matter, use, and method for a novel monoclonal antibody, designated as GD6, and various derivatives thereof, which target an epitope of human and murine Sperm Protein 17 (SP17) which possesses broad expression on cells derived from numerous solid malignancies
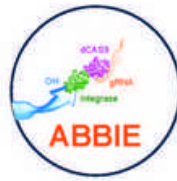
PD1-Specific Chimeric Antigen Receptor as an Immunotherapy (PCT/US2018/052799 US Application and PCT Application) –

Claims: Composition of matter claims for a chimeric antigen receptor (CAR) polypeptide; a vector comprising the CAR polypeptide; and a T lymphocyte genetically modified to express the CAR polypeptide. The claims in the patent application also contain a method of treating cancer using the T lymphocyte genetically modified to express the CAR polypeptide.

CAS 9 Retroviral Integrase and CAS 9 Recombinase Systems for Targeted Incorporation of a DNA Sequence into a Genome of a Cell or Organism (PCT/US2016/025426) –

Claims: Composition of matter claims for nucleic acid constructs; organisms comprising nucleic acid construct; fusion proteins; and nucleic acid vectors. The claims in this patent family also contain methods of inserting a DNA sequence into genomic DNA and inhibiting gene expression.

NK-engineered cell lines for the treatment of cancer (62/921,537 Provisional Application) – No claims filed

Directors

Tony Tontat   Maurizio Chiriva-Internati, PhD   Gianluca Rotino

---

Independent
Jerry Schneider, JD, MBA

He currently serves on the board of directors and audit committee for Cognex, a provider of vision systems, software, sensors, and industrial barcode readers used in manufacturing automation since 2016. Cognex (CGNX) is publicly traded on the Nasdaq stock exchange. He serves on other for-profit and non-profit boards. Mr. Schneider received his Juris Doctor from Loyola Law School, and a B.S. in Accounting from the University of California at Berkeley. He has experience of being a "financial expert" appointed by the U.C. Regents which oversee the University of California's budget of over $30M.

Independent
Michael Nagel

Mr. Nagel has served as a member of our board of directors since June 2020. He has over 30 years of sales and marketing experience in the medical device industry. Since 2012, Mr. Nagel has served as the President and CEO of Vomaris Innovations, Inc, which specializes in wireless microcurrent-generating technologies that are focused on regeneration, healing, and recovery. Previously, Mr. Nagel served as the Chief Commercial Officer of Neomend, a biomaterial company that developed ProGel, a PMA approved surgical sealant for lung surgery. From 1997 to 2005, Mr. Nagel also served as Co-Founder and Vice President of Worldwide Sales and Marketing at Vascular Solutions (VASC).

In addition to Mr. Nagel's executive experience, he also serves as a director for Franklin Mountain Medical, LLC an early stage company in the structural heart market. Mr. Nagel holds both a B.A. in Business and a M.B.A. from the University of St. Thomas.

Independent
Americo Cicchetti, PhD

Dr. Cicchetti has served as a member of our board of directors since March 2020. Dr. Cicchetti has served as a Professor of Management at Universit'a Cattolica del Sacro Cuore, Faculty of Economics, Rome since 2006. He is also currently the Director of the Graduate School of Health Economics and Management at Universit'a Cattolica del Sacro Cuore. In addition to his academic experience, Dr. Cicchetti was a member of the Price and Reimbursement Committee of the Italian National Drug Agency from 2009-2015. He is a member of the European Network of Health Technology Assessment; Member of the Innovation Steering Group of the National HTA Program for Medical Devices (Ministry of Health, Italy); Member of the National Immunization Technical Advisory Group at the Ministry of Health, Italy since 2019; Member of the Health and Research Commission of the Rome Foundation since 2007; and a Member of the Board of Directors of the Health and Research Foundation since 2017.

Furthermore, Dr. Cicchetti is the Chief Executive Officer and Director for Molipharma, whose core business is the research and development of new drugs and diagnostics aimed at predicting, detecting and treating female oncological diseases. He also serves as an independent board member for Foundation Health and Research, and Leonida SICAF, a fixed capital investment company. He obtained his PhD in Management from University of Bologna, and his B.A. from University of Rome.

Independent
Pietro Bersani, JD, CPA

Mr. Bersani has served as a member of our board of directors since June 2020. Since April 2020, Mr. Bersani is a Partner with B2B CFO Partners, LLC, which provides strategic management advisory services to owners of privately held companies. During October 2016 and July 2018, he served as the President, and Chief Executive Officer at K.P. Diamond Eagle, Inc., a consulting firm specialized in development of innovative commercial and private aviation business models. He also held the same positions at K.P. Diamond Eagle, Inc. between November 2019 and March 2020. He later served as a Senior Director within Alvarez & Marsal's Private Equity Performance Improvement Practice, LLP between August 2018 and October 2019. Prior to those professional experiences, Mr. Bersani served as the Chief Financial Officer of Fuel Systems Solutions, Inc. between April 2011 and October 2016.

Mr. Bersani is a Certified Public Accountant and is also a Certified Public Auditor and a Chartered Certified Accountant in Italy where he developed a significant knowledge of US GAAP and IFRS. Mr. Bersani earned a BA and MA in Business Economics from L. Bocconi University, Italy. Mr. Bersani was designated by certain holders of our Series B Preferred Stock. Except for the foregoing, there is no arrangement or understanding between any director or executive officer and any other person pursuant to which he was or is to be selected as a director.

162 Internal Publications

Chiriva-Internati M, Cobos E, Cannon MJ. Editorial: Prospects and Challenges for Immunotherapy of Ovarian Cancer-What Can We Learn from the Tumor Microenvironment? International Reviews of Immunology. 2011;30(2-3):67-70.

Cannon MJ, Goyne H, Stone PJB, Chiriva-Internati M. Dendritic cell vaccination against ovarian cancer - tipping the Treg/T(H)17 balance to therapeutic advantage? Expert Opinion on Biological Therapy. 2011;11(4):441-445.

Wachtel MS, Zhang Y, Xu T, Chiriva-Internati M, Frezza EE. Combined hepatocellular cholangiocarcinomas; analysis of a large database. Clin Med Pathol.1:43-7. 2008

Mirandola L, J Cannon M, Cobos E, Bernardini G, Jenkins MR, Kast WM, Chiriva-Internati M. Cancer testis antigens: novel biomarkers and targetable proteins for ovarian cancer. Int Rev Immunol. Apr-Jun;30(2-3):127-37. doi: 10.3109/08830185.2011.572504. 2011

Bumm K, Zheng M, Bailey C, Zhan F, Chiriva-Internati M, Eddlemon P, Terry J, Barlogie B, Shaughnessy JD Jr. CGO: utilizing and integrating gene expression microarray data in clinical research and data management. Bioinformatics. 2002 Feb;18(2):327-8.2002

Maurizio Chiriva-Internati, Leonardo Mirandola, Franco Marincola, Gianluca Rotino, Jose A. Figueroa, Fabio Grizzi, and Robert Bresalier The Quest for the Next-Generation of Tumor Targets: Discovery and Prioritization in the Genomics Era. Springer, Published 2019.(chapter for a book "immune-Oncology: Cellular and Translational Approaches" 2019

Maurizio Chiriva-Internati & Adrian Bot. New Era in Cancer Immunotherapy: Discovering Novel Targets and Reprogramming the Immune System. International Reviews of Immunology, 34:2, 101-103. 2015

Grizzi F, Gaetani P, Tancioni F, Di Ieva A, Bollati A, Baena R, Dioguardi N, and Chiriva-Internati M. From Discovery to the Clinical Application In Nervo System Neoplasia. In: Tumor Associated Antigens, 2004.

Figueroa AJ ,Pena C ,Mirandola L, Reidy A , Payne D, Hosiriluck N, Suvorava N, Rahman LR , Whitlow AR ,Verma R , Cobos E and Chiriva-Internati M. "Therapeutic Monoclonal Antibodies and Their Targets" by Wiley Production_Biosimilars of Monoclonal Antibodies. A Practical Guide to Manufacturing, Preclinical and Clinical Development, First Edition. Edited by Cheng Liu and K. John Morrow Jr. © 2017 John Wiley & Sons, Inc. Published 2017.

Grizzi F, Russo C, Portinaro N, Hermonat PL, Chiriva-Internati M. Complexity and cancer. Gastroenterology. 2004 Feb;126(2):630-1; author reply 631-2. PubMed PMID: 14765401.2004