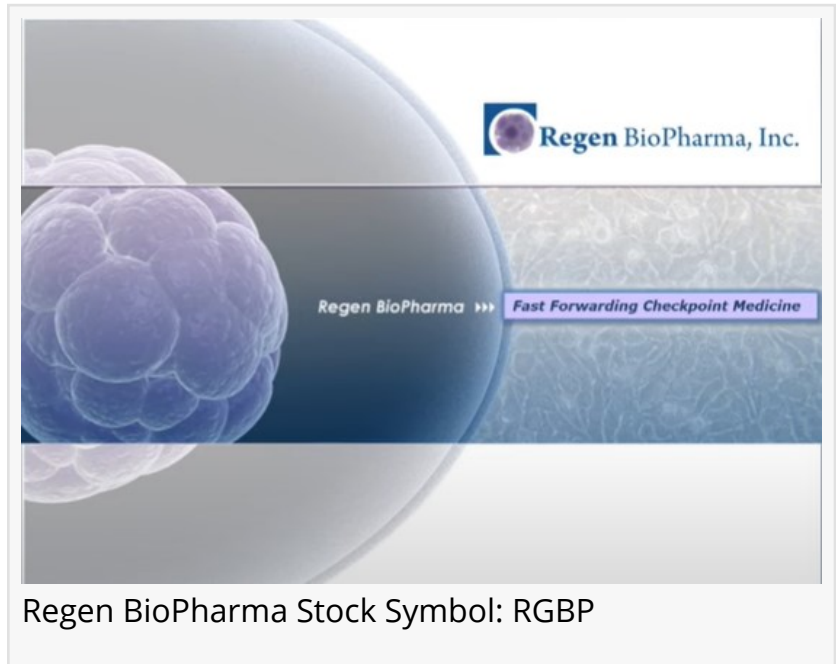


# New Studies Moving Ahead to Evaluate Immunosuppressive Response After Positive Data for mRNA to Address Cancers: \$RGBP

*Advancing Therapies for Treating Cancer and Autoimmune Disorders by Modulating the Immune Checkpoint NR2F6.*

LA MESA, CALIFORNIA, UNITED STATES, November 15, 2023 / EINPresswire.com/ -- New Studies Moving Ahead to Evaluate Immunosuppressive Response After Positive Data for mRNA and Small Molecule Immunotherapies to Address Cancer and Autoimmune Disorders: Regen BioPharma, (Stock Symbols: RGBP and RGBPP)



For more information on \$RGBP visit: <http://www.regenbiopharmainc.com>

Advancing Therapies for Treating Cancer and Autoimmune Disorders by Modulating the Immune Checkpoint NR2F6.

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"Having a second confirmatory study gives us confidence we are making the right decision to pursue these novel cell therapies focused on autoimmunity"

*says Dr. David Koos,  
Chairman and CEO of RGBP*

Applying a Genetic Approach to Regulating NR2F6 Levels in Human T Cells.

Additional Work for Blood Disorders, Cellular Immunotherapy, Modulating Key Molecular Processes in Cancer Stem Cells, and Repairing Damaged Bone Marrow.

Preparing In Vitro Experiments to Determine if DuraCAR

Cells Being Investigated are Immunosuppressive.

New Presentation of RGBP DuraCAR Program and Current Company Financing at the Emerging Growth Conference Held on November 1, 2023.

Received Unexpected and Potentially Extremely Useful Data on Experimental Studies on the Company's DuraCAR CAR T-Cell Therapeutic.

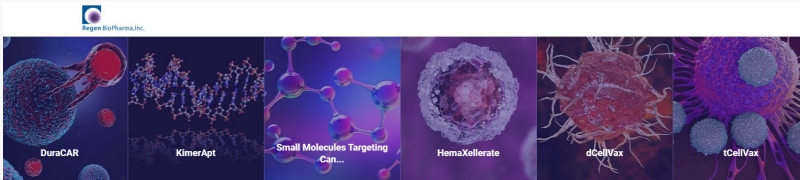
Second Phase Confirmatory Data Received on DuraCAR CAR-T Cell Therapy Program; Autoimmunity to be Targeted.

Studies Demonstrated That T Cells that express the Chimeric Antigen Receptor (CAR) Construct Expressing siRNA for NR2F6 can be Successfully Created.

Second Unrelated qRT-PCR Testing Underway to Determine if NR2F6 mRNA is Elevated or Inhibited by Company's CAR in T-Cells.

Regen BioPharma, ([OTC-PINK: RGBP](#)) and ([OTC-PINK: RGPB](#)) is a biotechnology company working in the immunology and immunotherapy space. RGBP is focused on rapidly advancing novel technologies through pre-clinical and Phase I/ II clinical trials. Currently, RGBP is developing mRNA and small molecule therapies for treating cancer and autoimmune disorders.

RGBP plans to rapidly advance novel technologies through pre-clinical and Phase I/ II clinical trials. Currently, RGBP is advancing therapies for treating cancer and autoimmune disorders by modulating the immune checkpoint NR2F6. RGBP is also developing products treating blood disorders using



**Regen BioPharma Stock Symbol: RGBP \$RGBP**

### Product Pipeline

Program	Indication	Milestone			
		Pre-clinical Testing	IND Submitted	IND Approved	Phase I/II
<b>HemaXcellerate</b> Personalized Stem Cells	Aplastic Anemia	IND #15376			
<b>dCellVax</b> Gene Silencing of IDO	Breast Cancer	IND #16200			
<b>tCellVax</b> Ex vivo siRNA NR2F6	Solid Tumors	IND #16928			
<b>DiffroC</b> In vivo siRNA NR2F6	MDS, Solid Tumors				
<b>KimerApt</b> Bispecific aptamers	Solid Tumors				
<b>DuraCAR</b> Gene-silenced CAR-T cells	Solid and Liquid Tumors				

### Regen BioPharma Product Pipeline RGBP \$RGBP

### Intellectual Property – Issued Patents

Patent Number	Patent Title	Date Granted
US-11,324,719-B2	Small molecule agonists and antagonists of NR2F6 activity in humans	2022-10-05
US-11,241,427-B2	Small molecule modulators of NR2F6 Activity	2022-02-08
US-11,141,471-B2	Universal donor checkpoint inhibitor silenced/gene edited cord blood killer cells	2021-10-12
US-11,090,332-B2	Antigen specific mRNA cellular cancer vaccines	2021-08-17
US-11,053,503-B2	Methods and means of generating IL-17 associated antitumor effector cells by inhibition of NR2F6 inhibition	2021-07-06
US-10,088,485-B2	Methods of screening compounds that can modulate NR2F6 by displacement of a reference ligand	2018-10-02
US-9,091,696-B2	Modulation of NR2F6 and methods and uses thereof	2015-07-28
US-8,389,708-B2	Method of cancer treatment using siRNA silencing	2013-03-05
US-8,263,571-B2	Gene silencing of the brother of the regulator of imprinted sites (BORIS)	2012-09-11

### Regen BioPharma Patents RGBP \$RGBP

#### Scientific Advisory Board

<p><b>Ravinder Reddy, Ph.D.</b></p> <p>Dr. Reddy is currently a Professor of Radiology and the Director of the Center for Advanced Metabolic Imaging in Prec...</p> <p><a href="#">Know more</a></p>	<p><b>Mohammad Haris, Ph.D.</b></p> <p>Dr. Haris is an Associate Professor in the Center for Advanced Metabolic Imaging in Precision Medicine, Department of...</p> <p><a href="#">Know more</a></p>	<p><b>Stefano Bertuzzi, PhD, MPH</b></p> <p>Dr. Bertuzzi, is currently the Executive Director of the American Society for Cell Biology and has been named Executi...</p> <p><a href="#">Know more</a></p>
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### Regen BioPharma Scientific Advisory Board RGBP \$RGBP

small molecules and gene silencing (DiffronC), treating cancer with cellular immunotherapy (dCellVax, tCellVax, Dura-CAR, KimerApt), modulating key molecular processes in cancer stem cells through its patented molecular targeting approaches (BORIS), and repairing damaged bone marrow in patients with aplastic anemia and chemotherapy/radiotherapy treated cancer patients (HemaXellerate).

## CEO Outlines Future Steps in CAR T Program

On November 14th RGBP announced that it is now preparing a series of in vitro experiments to determine if the DuraCAR cells being investigated are immunosuppressive, rather than possessing anti-tumor activity as originally envisioned.

"Having had confirmatory studies supporting the increase in NR2F6 gene expression, we now want to see what is happening when these cells are put in a relatively natural environment in the presence of activated immune cells, " says Dr. David Koos, Chairman and CEO of RGBP. "If these cells do indeed suppress these immune cells, then we will have in hand a potentially extremely valuable approach to suppressing autoimmunity."

Future RGBP experiments will then be designed to optimize these cells for protecting against major autoimmune disorders such as type 1 diabetes, colitis, and arthritis.

## Confirmation Study Results Discussion of RGBP DuraCar Program and Company Finances at the Emerging Growth Conference on November 1, 2023

RGBP management presented at the Emerging Growth Conference on November 1, 2023 (<https://emerginggrowth.com/conference/>). This live, interactive online event gave existing shareholders and the investment community the opportunity to interact directly with RGBP CEO, Dr. David Koos and his team. Discussions covered recent scientific results around the company's promising DuraCAR program to treat cancers and autoimmune disorders as well as an update on current RGBP financial plans including the company's equity line.

The complete, half-hour RBPB Emerging Growth Conference presentation, including audience interactive questions and answers, may be seen at any time via this link:

<https://www.youtube.com/watch?v=7LhOazAjmvU>

Keynote speakers: David Koos, RGBP President / CEO & Harry M. Lander, Ph.D. Senior Scientific Consultant.

## RGBP Receives Second Phase Confirmatory Data on its Duracar CAR-T Cell Therapy Program; Autoimmunity to be Targeted

On October 25th RGBP released an announcement covering its previously discussed initiation of a series of experiments to validate its DuraCAR CAR T-cell therapeutic

<https://www.prnewswire.com/news-releases/regen-biopharma-inc--begins-experiments-validating-its-proprietary-car-t-cell-therapy-301623585.html>). RGBP recently received unexpected and potentially extremely useful data from one of its contract research organizations (CRO) retained to perform experimental studies on the Company's DuraCAR CAR T-cell therapeutic. These studies demonstrated that T cells that express the chimeric antigen receptor (CAR) construct expressing siRNA for NR2F6 can be successfully created.

<https://www.prnewswire.com/news-releases/studies-on-regen-biopharma-incs-duracar-indicate-potential-suppression-of-autoimmunity-company-retains-contract-research-organization-to-conduct-additional-confirmatory-studies-301931365.html>.

RGBP has now received the complete set of confirmatory data performed by a second contract research organization (CRO) which is independent of the CRO that performed the initial experiments. These data confirm that T cells that express the chimeric antigen receptor (CAR) construct targeting CD19 and expressing siRNA for NR2F6 had high expression levels of NR2F6 mRNA. NR2F6 is considered an immune checkpoint and thus increasing its activity is likely to lead to immune suppression.

"Being able to substantially elevate NR2F6 levels is truly an unexpected, but welcome finding. We now have a sound scientific basis to pursue designing T cells which can tamp down on the uncontrolled immune activation seen in multiple autoimmune disorders," says Dr. Harry Lander, Chief Scientific Consultant to RGBP. "We recently filed a patent application around such T cells and we feel we have a head start on this in the scientific community, particularly around using nuclear receptors such as NR2F6."

"Having a second confirmatory study gives us confidence we are making the right decision to pursue these novel cell therapies focused on autoimmunity," says Dr. David Koos, Chairman and CEO of RGBP. "I expect that after consulting with our Board of Advisors and internally, the Company will soon have a clear picture of the specific indications and approaches it will pursue."

#### RGBP Receives First Phase of Confirmatory Study CAR-T Cells Created

On October 10th RGBP issued an announcement covering its previously discussed initiation of a series of experiments to validate its DuraCAR CAR T-cell therapeutic (<https://www.prnewswire.com/news-releases/regen-biopharma-inc--begins-experiments-validating-its-proprietary-car-t-cell-therapy-301623585.html>) while also identifying new, unexpected and potentially extremely useful findings in developing cell therapy treatments for autoimmune disorders <https://www.prnewswire.com/news-releases/studies-on-regen-biopharma-incs-duracar-indicate-potential-suppression-of-autoimmunity-company-retains-contract-research-organization-to-conduct-additional-confirmatory-studies-301931365.html>.

RGBP then reported it had received the first set of confirmatory data which demonstrates that T

cells that express the chimeric antigen receptor (CAR) construct targeting CD19 and expressing siRNA for NR2F6 were successfully created. In addition, the siRNA that is designed into the CAR T-cell was very highly expressed. Subsequent RGBP studies will determine if the expression of NR2F6 mRNA is suppressed or enhanced as a result of the high expression of siRNA.

"This is a major accomplishment in moving this model forward into therapies because in order to test whether we can genetically manipulate NR2F6 levels, we have to be able to produce a CAR T-cell where we demonstrate expression of this siRNA," says Dr. Harry Lander, Chief Scientific Consultant to RGBP. "We are excited to see the results on NR2F6 expression. If it is inhibited, we will focus on using these DuraCAR cells as originally envisioned - to attack solid tumors. If it is enhanced, we will begin re-tooling these cells to treat autoimmune disorders."

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