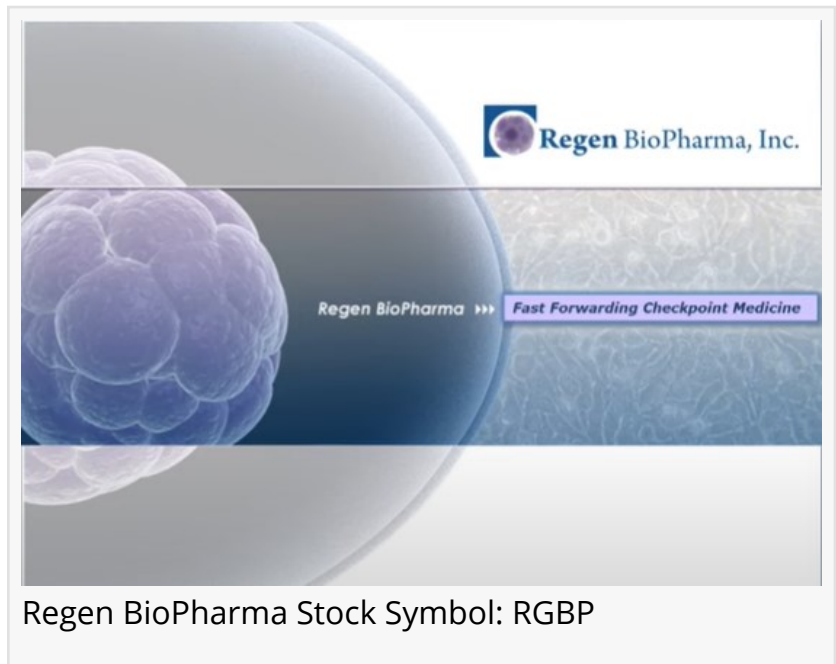


2nd Confirmation of Useful Data in Development of mRNA for Treating Cancer: Regen BioPharma, (Stock Symbols: RGBP) \$RGBP

Second Contract Research Organization Confirms Extremely Useful Data in Development of mRNA and Small Molecule Immunotherapies : (Stock Symbols: RGBP) \$RGBP

LA MESA, CALIFORNIA, UNITED STATES, October 26, 2023 /EINPresswire.com/ -- Second Contract Research Organization Confirms Extremely Useful Data in Development of mRNA and Small Molecule Immunotherapies for Treating Cancer and Autoimmune Disorders: Regen BioPharma, ([Stock Symbols: RGBP](#)) [\\$RGBP](#)



Regen BioPharma Stock Symbol: RGBP

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

□ 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.

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

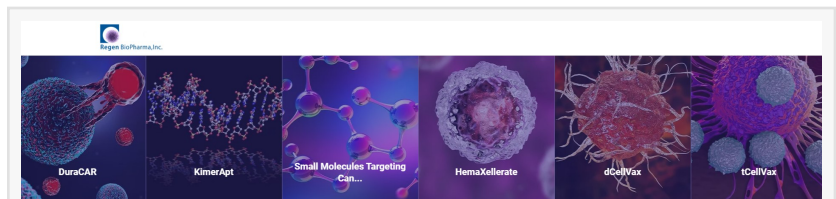
□ Second Phase Confirmatory Data Received on Duracar CAR-T Cell Therapy Program; Autoimmunity to be Targeted.

□ 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: RGBP](#)) 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 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



Regen BioPharma Stock Symbol: RGBP \$RGBP

Product Pipeline

Program	Indication	Milestone			
		Pre-clinical Testing	IND Submitted	IND Approved	Phase I/II
HemaXcellerate Personalized Stem Cells	Aplastic Anemia	IND #15276			
dCellVax Gene Silencing of IDO	Breast Cancer	IND #16200			
tCellVax Ex vivo siRNA NR2F6	Solid Tumors	IND #16928			
DiffronC In vivo siRNA NR2F6	MDS, Solid Tumors				
KimerApt Bispecific aptamers	Solid Tumors				
DuraCAR 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

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<p>Santosh Kesari, MD, PhD</p> <p>Director of the Neuro-Oncology Program, the Neurotoxicity Treatment Center, and the Translational Neuro-Oncology Labo...</p>	<p>Rohit Duggal, PhD</p> <p>17 years of professional experience in the drug discovery field having worked at Pfizer as a leader of the cancer ste...</p>	<p>William S. Blaner, PhD</p> <p>Professor of Nutritional Sciences at Columbia University where he studies the metabolism and actions of rethioids. He...</p>

Regen BioPharma Scientific Advisory Board RGBP \$RGBP

aplastic anemia and chemotherapy/radiotherapy treated cancer patients (HemaXellerate).

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](http://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)) 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."

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

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