



GeMCRIS[®]

Genetic Modification Clinical
Research Information System



Web-based HGT Resource

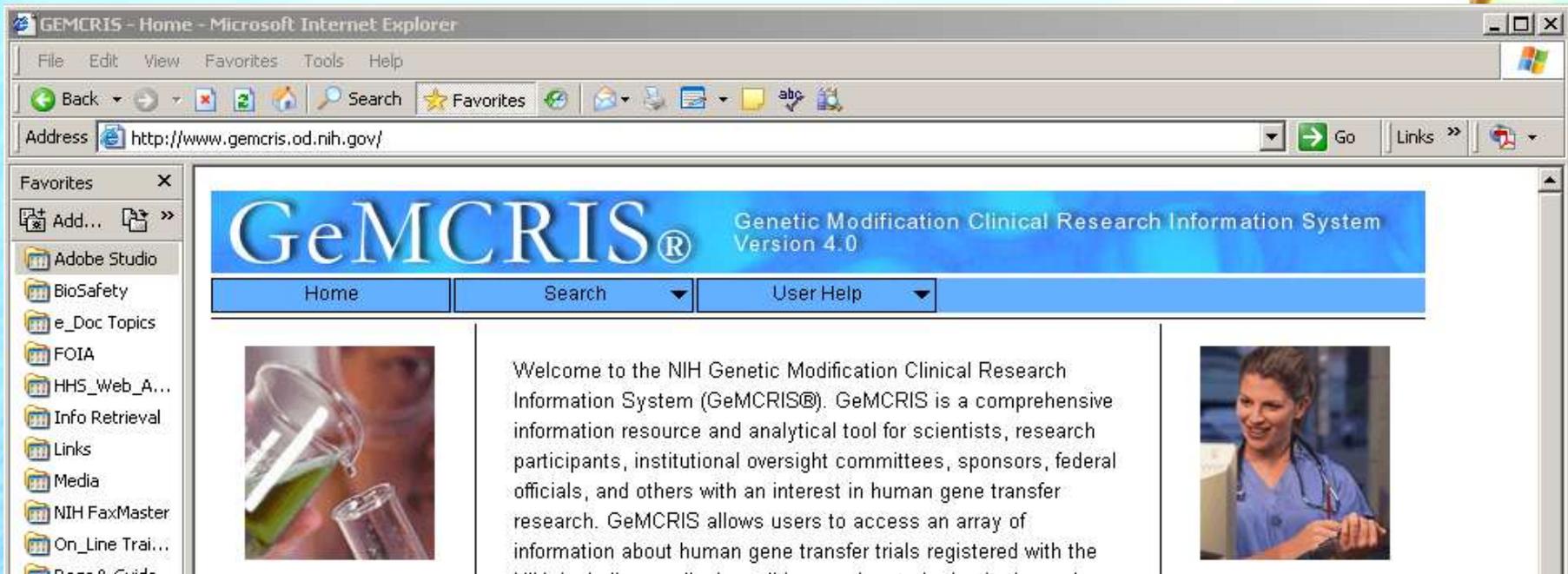
- Launched in 2004, **GeMCRIS**[®] is a Web-accessible database of human gene transfer clinical trials accessible by all.
 - You may access GeMCRIS via the Internet.
- **GeMCRIS** is also a relational database that supports Web-based reporting of adverse event information directly to NIH.
- The development of **GeMCRIS** was a collaborative involving both the NIH and the FDA. AE information captured in GeMCRIS **also meets FDA reporting requirements.**



How to Access GeMCRIS (1)

- Type the following URL into your Web browser's address bar:

<http://www.gemcris.od.nih.gov/>



The screenshot shows a Microsoft Internet Explorer browser window with the title "GEMCRIS - Home - Microsoft Internet Explorer". The address bar contains the URL "http://www.gemcris.od.nih.gov/". The website content includes a blue header with the text "GeMCRIS® Genetic Modification Clinical Research Information System Version 4.0". Below the header is a navigation bar with "Home", "Search", and "User Help" options. The main content area features a central text block: "Welcome to the NIH Genetic Modification Clinical Research Information System (GeMCRIS®). GeMCRIS is a comprehensive information resource and analytical tool for scientists, research participants, institutional oversight committees, sponsors, federal officials, and others with an interest in human gene transfer research. GeMCRIS allows users to access an array of information about human gene transfer trials registered with the...". To the left of this text is an image of laboratory glassware, and to the right is an image of a female healthcare professional in blue scrubs.

How to Access GeMCRIS (2)

- Start from the OBA Website and follow the links to GeMCRIS:

[Click Here](#)



OFFICE OF SCIENCE POLICY - National Institutes of Health

Office of Biotechnology Activities

Help | Sitemap | Contact us

Search

Printer Friendly Page

Home | Recombinant DNA | Genetics, Health, and Society | Dual Use Research | Clinical Research Policy

Welcome to OBA

- [Go directly to the GeMCRIS Public Information Site](#)
- [Using GeMCRIS to Access Public Data on Human Gene Transfer Trials](#)
- [Using GeMCRIS for Adverse Event Reporting](#)

OBA fulfills its mission through four important programs:

- [Recombinant DNA \(RAG\)](#)

Left sidebar menu:

- About OE
- News and
- NIH Guid
- Informed Consent
- GeMCRIS**
- IBC Information
- Documents of Interest
- GeMCRIS

Finding Information (1)

Search Functions

All clinical trial information is accessed through the “Search” functions on the Menu Bar

Search functions include:

- Protocol title and OBA Protocol numbers
- Medical condition (MedDRA coded)
- Trial Sites, study phase and trial status
- Product searches by:
 - Product name (includes synonyms e.g. “TK”)
 - Descriptors (controlled vocabulary)
 - Vectors, genetic elements, producer cells
 - Routes of administrations



Finding Information (2a)

Search Protocol Data – Query Fields



Title search:

- Limited to terms (“strings”) found in the title

Medical Condition:

- Uses MedDRA terms and hierarchy
- Controlled vocabulary
- Finds related “concepts” across trials
- Powerful search function

GeMCRIS® Genetic Modification Clinical Research Information System
Version 4.0

Home Search User Help

You may search the protocols by selecting any combination of the parameters below. If you wish to see all the protocols within GeMCRIS, leave the search fields empty and click the 'Search' button at the bottom of the page. Be aware that selecting multiple criteria will return only those protocols that match all of the constraints given.

If you would like to search for protocols by product description, then use this [Protocol Search by Product](#) link.

Back

Protocol Report Query Menu

Clinical Trial Title
<input type="text"/>
Medical Condition
<input type="text"/>
OBA Protocol Number
--Select-- <input type="text"/> Search
Clinical Trial Site
--Select--
Principal Investigator
--Select--
Study Phase
--Select--
Status
--Select--
Search Reset

Site Map

Finding Information (2b)

Search Protocol Data - Examples



Protocol Report Query Menu

Clinical Trial Title

Records 1 to 7 of 7

Gene Transfer Protocol Reports

Protocol Number	Medical Conditions	Protocol Title	View Protocol
9406-078	Congenital aplastic anaemia	Retroviral Mediated Gene Transfer of the Fanconi Anemia Complementation Group C Gene to Hematopoietic Progenitors of Group C Patients.	View
9902-291	Congenital aplastic anaemia	Retroviral-Mediated Gene Transfer of the Fanconi Anemia Group A Gene into Hematopoietic Progenitor Cells of Group A Patients.	View
0001-370	Congenital aplastic anaemia	Gene Therapy for Patients with Fanconi Anemia: A Pilot Study.	View
		Transplantation of Unrelated or Mismatched Related Donor T cells Containing the HSV-TK Suicide Gene to Facilitate Engraftment and Control of Relapsed Acute Myeloid Leukemia: A Phase I	View

Title search:

- Returns 7 hits

Protocol Report Query Menu

Clinical Trial Title

Medical Condition

Records 1 to 10 of 11

Next 1-10

Protocol Number	Medical Conditions	Protocol Title	View Protocol
9406-078	Congenital aplastic anaemia	Retroviral Mediated Gene Transfer of the Fanconi Anemia Complementation Group C Gene to Hematopoietic Progenitors of Group C Patients.	View
9902-291	Congenital aplastic anaemia	Retroviral-Mediated Gene Transfer of the Fanconi Anemia Group A Gene into Hematopoietic Progenitor Cells of Group A Patients.	View
0001-370	Congenital aplastic anaemia	Gene Therapy for Patients with Fanconi Anemia: A Pilot Study.	View
0006-406	Anaemia of chronic disease	Erythropoietin Administration in Hemodialysis Patients Using Vascular	View

Medical Condition:

- Returns 11 hits

➤ Search multiple fields for best results

Finding Information (2c)

Search Protocol Data – About Results



Search by Protocol Number, Protocol Title, Medical Condition, or click 'Advanced Search' to do a detailed query. The search box below will find results based on the exact characters entered. Entering multiple words in the search box may limit your results.

[View All](#)

View All for a “quick” display

Click a 'View' button to display information corresponding to that protocol or click 'View All' to display the information on all 2 protocols listed below.

Records 1 to 2 of 2

Gene Transfer Protocol Reports

Protocol Number	Medical Conditions	Protocol Title	View Protocol								
0010-423	Autosomal chromosome anomaly		View								
0701-827			View								
<p>Protocol Number: 0701-827</p> <p>Title: Gene Transfer for Recessive Dystrophic Epidermolysis Bullosa (RDEB)</p> <p>Phase: I (Phase Disclaimer)</p> <p>Status: Active - 5/10/2011</p> <p>Principal Investigator: Lane, Alfred T., Stanford University</p> <p>Medical Condition: Autosomal chromosome anomaly Congenital anomaly Epidermolysis bullosa</p> <p>Ex-vivo Cell: Primary autologous keratinocytes</p> <p>Transducing Agent: Envelope gibbon ape leukemia retrovirus LH gene transfer vector / PG13 packaging cell line</p> <p>Genetic Element: Human collagen type 7 cDNA</p> <p>Route of Administration:</p> <p>Recommendation: Selected for Public Review</p> <p>Public RAC Review Date: 03/14/2011</p> <p>RAC Meeting Minutes: http://oba.od.nih.gov/oba/tac/minutes/RAC_minutes_03-07.pdf</p> <p>Protocol References:</p> <p>Product References:</p> <p>Abstracts: Scientific Abstract Link Non-Technical Abstract Link</p> <p>Link to ClinicalTrials.gov: http://clinicaltrials.gov/ct2/show/NCT01263379</p> <p>Amendments:</p> <table border="1"> <thead> <tr> <th>Date</th> <th>RAC Review Date</th> <th>Type</th> <th>Summary</th> </tr> </thead> <tbody> <tr> <td>05/10/2011</td> <td>05/13/2011</td> <td>M-I-C-1 Response</td> <td>This submission is the 20 day letter notifying OBA that the first participant has enrolled.</td> </tr> </tbody> </table>				Date	RAC Review Date	Type	Summary	05/10/2011	05/13/2011	M-I-C-1 Response	This submission is the 20 day letter notifying OBA that the first participant has enrolled.
Date	RAC Review Date	Type	Summary								
05/10/2011	05/13/2011	M-I-C-1 Response	This submission is the 20 day letter notifying OBA that the first participant has enrolled.								

HYPERLINKS:

- Investigator(s),
- Vector, cells, genes
- RAC minutes
- Abstracts
- Clinicaltrials .gov
- Amendments

Finding Information (2d)

Search Protocol Data – More About Results

Hyperlink Output:

Gene Transfer Protocol F

Protocol Number: 0508-725

Title: A Phase I Pilot Study of Safety and Feasibility of Stem Cell Transplantation Encoding Multiple anti-HIV RNAs

Phase: I ([Phase Disclaimer](#))

Status:

Principal Investigator Report

Name:	Krishnan, Amrita
Title:	Staff Physician
Organization:	City of Hope National Medical Center
Department:	Hematology and BMT
Address:	1500 East Duarte Road Duarte, California, 91010 United States of America
Clinical Trials:	9716 Lyr

SCIENTIFIC ABSTRACT

This is a phase I pilot study to determine the safety and feasibility of gene transfer of RNA-based anti-HIV therapy expressed in lentivirus-transduced hematopoietic progenitor cells (HPC) in patients undergoing autologous stem cell transplantation (HCT) for poor-prognosis AIDS lymphoma (ARL). The lentivirus vector encodes 3 forms of anti-HIV RNA: RNAi in the form of a short hairpin RNA (shRNA) targeted to an overlapping exon in HIV-1 *tat* and *rev* (shI), an RNA decoy for the HIV TAT-reactive element (TAR), and a ribozyme that targets the host cell CCR5 cytokine receptor (CCR5RZ). The vector, to be used to transduce autologous CD34-selected HPC, is called rHIV7-shI-TAR-CCR5RZ, has a self-inactivating vector design, and will be produced at the Beckman Research Institute at City of Hope. The rHIV7-shI-TAR-CCR5RZ-transduced CD34+ HPC is the research agent. The primary aims of the study are safety and feasibility, and the secondary aims are the assessments of the duration of detectable transduced cells in blood and marrow and of any effect on HIV-1 infection.

Patients with ARL, who agree to participate, will have peripheral HPC mobilized and collected by apheresis (HPC-A), apportioned into a routine "unmanipulated" pool of HPC-A cells and a research pool of HPC-A cells for genetic transduction. The unmanipulated cells will be cryopreserved until the time of HCT. From the research pool, CD34+ cells will be selected using a Miltenyi CliniMax™ system, and then cryopreserved until the time of transduction just prior to HCT. Near the end of the final dose-intense lymphoma chemotherapy (carmustine, etoposide, and cyclophosphamide), the research pool will be thawed and transduced with rHIV7-shI-TAR-CCR5RZ, and infused. The unmanipulated autologous HPC-A cells will be infused on the next day as standard-of-care HCT. The research participants will be then be followed for engraftment of the transplanted cells, for adverse events, for evidence of RNA expression and DNA marking by the transgene in the peripheral blood cells over time, and for transgene integration site analyses in the peripheral blood cells. The HIV-1 infection status will be monitored with routine tests of HIV-1 plasma RNA and CD4 counts, and detectable endogenous HIV-1 RNA will be evaluated for evidence of recombination events with the transgene sequences. The results of this study will help to answer the question of whether this new lentivirus-based strategy of gene transfer deserves further evaluation as an eventual method for control of HIV/AIDS.

Vector Term Report

Term Name	Lentivirus VSV-G envelope gene transfer vector
Definition	
Term Synonyms	
Protocol Numbers	0107-488 , 0404-646 , 0407-667 , 0508-725 , 0510-737

Scientific Abstract Link	
Non-Technical Abstract Link	
Link to ClinicalTrials.gov:	

Finding Information (3)

Search Product Data

GeMCRIS - Home - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address http://www.gemcris.od.nih.gov/

GeMCRIS® Genetic Modification Clinical Research Information System Version 4.0

Home Search User Help

Protocols Search by Condition/Title

Principal Investigators Search by Product

Vocabulary Reports (GeMCRIS®). GeMCRIS is a comprehensive information resource and analytical tool for scientists, researchers, participants, institutional oversight committees, sponsor officials, and others with an interest in human gene transfer.

Search User Help

Protocols Search by Condition/Title

Principal Investigators Search by Product

Vocabulary Reports

Browser Requirements

We are seeking comments on GeMCRIS's utility and ease of use. Please take a moment to respond to the questions form provided through the "Feedback" link on this page. Your input is critical to ensuring that the system meets the needs of its diverse users.

NATIONAL INSTITUTES OF HEALTH

FDA

Site Map

GeMCRIS® Genetic Modification Clinical Research Information System Version 4.0

Home Search User Help

You may search the protocols by selecting any combination of the product parameters below. If you wish to see all the protocols within GeMCRIS, leave the search fields empty and click the "Search" button at the bottom of the page. Be aware that selecting multiple criteria will return only those protocols using products that match all of the constraints given.

If you would like to search for protocols by using criteria such as medical condition, title, or protocol number, then use this [Protocol Advanced Search](#) link.

Back

Protocol Report Query Menu

Product Name

Vector Descriptor

Vector Producer Cell Descriptor

Genetic Element Descriptor

Ex-vivo Cell Descriptor

Nucleic Acid Descriptor

Route of Administration

Search Reset

Site Map

Finding Information (3a)

Search Product Data -- Query Fields

Protocol Report Query Menu

Product Name	<input type="text"/>
Vector Descriptor ←	<input type="text"/>
Vector Producer Cell Descriptor	<input type="text"/>
Genetic Element Descriptor ←	<input type="text"/>
Ex-vivo Cell Descriptor ←	<input type="text"/>
Nucleic Acid Descriptor	<input type="text"/>
Route of Administration	<input type="text"/>
<input type="button" value="Search"/> <input type="button" value="Reset"/>	

Product Name:

- Shorthand or other designations of constructs (e.g. GVAX, JX-594...)

Biological Descriptors:

- Vector Classes
- Producer Cells
- Genetic elements
- Transduced Cells

Routes of Administration

Multiple field entries return filtered data (“and” logic)



Finding Information (3b)

Search Product Data -- Examples



Protocol Report Query Menu

Product Name
<input type="text"/>
Vector Descriptor
<input type="text" value="adeno-associated"/>

Vector Descriptor =

- “Adeno-Assoc”

Records 31 to 40 of 51

Previous Next 31-40

51 Total hits
returned

Using both terms:
“Adeno-Assoc” &
“RPE” as genetic
element returns:

Gene Transfer Protocol Reports

Protocol Number	Medical Conditions	Protocol Title	View Protocol
0510-739	Blood alkaline phosphatase Congenital anomaly Cystic fibrosis	Transduction of the Upper Airway Epithelium in Humans with Cystic Fibrosis by an AAV6 Vector that Encodes Human Placental Alkaline Phosphatase	View
0510-740	Amaurosis Retinal anomaly congenital Retinal degeneration	A Phase I Safety Study in Subjects with Leber Congenital Amaurosis (LCA) Using Adeno-Associated Viral Vector to Deliver the Gene for Human RPE65 into the Retinal Pigment Epithelium (RPE) [AAV2-hRPE65v2-101]	View
0607-7	Bradykinesia	...or to Deliver Human ...ll Trial	View

Genetic Element Descriptor

Records 1 to 5 of 5

Gene Transfer Protocol Reports

Protocol Number	Medical Conditions	Protocol Title	View Protocol
0410-677	Amaurosis Retinal anomaly congenital Retinal degeneration	An Open Label, Phase I Clinical Trial of Subretinal Administration of rAAV2-CBSB- hRPE65.	View
0510-740	Amaurosis Retinal anomaly congenital Retinal degeneration	A Phase I Safety Study in Subjects with Leber Congenital Amaurosis (LCA) Using Adeno-Associated Viral Vector to Deliver the Gene for Human RPE65 into the Retinal Pigment Epithelium (RPE) [AAV2-hRPE65v2-101]	View
0510-740	Amaurosis		

5 Hits

Note the MedDRA
term: “Amaurosis”

Finding Information (3c)

Search Product Data -- Examples

Genetic Element Descriptor

Cystic fibrosis

Genetic Element
Descriptor =

- “Cystic fibrosis”

Gene Transfer Protocol Reports

Records 1 to 10 of 22

Next 1-10

Protocol Number	Medical Conditions	Protocol Title	View Protocol
9212-034	Congenital anomaly Cystic fibrosis	A Phase I Study, in Cystic Fibrosis Patients, of the Safety, Toxicity, and Biological Efficacy of a Single Administration of a Replication Deficient, Recombinant Adenovirus Carrying the cDNA of the Normal Human Cystic Fibrosis Transmembrane Conductance Regulator Gene in the Lung.	View
9212-035	Congenital anomaly Cystic fibrosis	Gene Therapy of Cystic Fibrosis Lung Diseases Using E1 Deleted Adenoviruses: A Phase I Trial.	View
9212-036	Congenital anomaly Cystic fibrosis	Cystic Fibrosis Gene Therapy Using an Adenovirus Vector: In Vivo Safety and Efficacy in Nasal Epithelium.	View
9303-041	Congenital anomaly Cystic fibrosis	A Phase I Study of Gene Therapy of Cystic Fibrosis Utilizing a Replication Deficient Recombinant Adenovirus Vector to Deliver the Human Cystic Fibrosis Transmembrane Conductance Regulator cDNA to the Airways.	View

22 Total hits
returned

Of the 22 protocols administering the CFTR cDNA there are:

- 7 AAV serotype 2 vectors
- 6 Adeno serotype 5 vectors
- 4 Adeno serotype 2 vectors
- 4 Liposome vectors (DMRIE-DOPE, DOPE & EDMPC-choI)
- 1 Polylysine-plasmid complex



Finding Information (4)

Vocabulary Reports: Search Terms



Search by Term Name, Definition, or Term Synonym. Click a 'View' button to display the definition and synonyms for that term or click 'View All' to display all 601 terms listed below.

View All

Search

Records 1 to 10 of 601

Next 1-10

Term Name	Definition	View Report
17 aa Adenovirus E3/19K leader sequence	Endoplasmic Reticulum insertion signal sequence derived from the Adenovirus E3 transcriptional region encoding the the 19 Kdal	View
3' untranslated region		

Genetic Element Hierarchy Reports

View All Terms

- »Genetic marking
 - »Beta galactosidase cDNA
 - »Beta galactosidase cDNA mutated to prevent protein expression
 - »Defective neomycin resistance
 - »Neomycin phosphotransferase cDNA mutated to prevent protein expression
 - »Truncated human nerve growth factor receptor cDNA
- »Leader sequences

[Ex-Vivo Cell Vocabulary](#) | [Genetic Element Vocabulary](#) | [Term Report](#)
[Protocols](#) | [Principal Investigators](#) | [Vocabulary Reports](#) | [VPC Vocabulary](#) | [3 term or click](#)

Questions
[Contact Us](#)
[Browser Requirements](#)

To facilitate access to this information, GeMCRIS offers a number of preformatted reports. You can also create your own query tailored to your particular information needs. To get started,

Genetic Element Term Report

Term Name	Vascular endothelial growth factor 165 cDNA
Definition	A splice variant of VEGF-A. VEGF165 is the most predominant protein. It has a heparin-binding domain, which helps anchor it in extracellular matrix and is involved in binding to heparin sulfate and presentation to VEGF receptors. This is a key factor for VEGF potency (i.e., the heparin-binding forms are more active).
Term Synonyms	VEGF-165
Protocol Numbers	0104-467 , 0104-468 , 0107-489 , 0504-703 , 0506-714 , 0601-756 , 9409-088 , 9802-232

Finding Information (4a)

Vocabulary Reports: 4 Types – 2 Flavors

Term Reports

Records 1 to 10 of 215

Next 1-10

Term Name	Definition	View Report
Allogeneic Umbilical Cord Blood-derived primary CD8+ and/or CD4+T cells.		View
Attenuated Listeria monocytogenes ANZ-100 (Δ actA/ Δ inlB)		View

Attenuated deleted)

Records 1 to 10 of 174

Next 1-10

Term Name	Definition	View Report
Adeno-associated virus 1 (AAV1) gene transfer vector	A human dependovirus [parvovirus] of serotype 1 that requires the presence of a helper virus (frequently Adenovirus) for productive infection. The linear single-stranded DNA genome of about 5000 nucleotides is packaged into an icosahedral particle	View

Records 1 to 10 of 13

Next 1-10

Term Name	Definition	View Report
_Study Design Terms	Category of terms related to various gene transfer study	View

Blinded Study Agent

Records 1 to 10 of 935

Next 1-10

Term Name	Definition	View Report
(C-C motif) ligand 21 [CCL-21] cDNA	(C-C motif) ligand 21 or CCL21 is one of several CC cytokine genes clustered on the p-arm of chromosome 9. The CC cytokines are proteins characterized by two adjacent cysteines. Similar to other chemokines the protein encoded by this gene inhibits hemopoiesis and stimulates chemotaxis. This protein is chemotactic in vitro for thymocytes and activated T cells, but not for B cells, macrophages, or neutrophils. The cytokine encoded by this gene may also play a role in mediating homing of lymphocytes to secondary lymphoid organs. It is a high affinity	View



Finding Information (4b)

Vocabulary Reports: 4 Types – 2 Flavors

Vectors

- » Polymer complex gene transfer vector
 - » Poloxamer 188 -- plasmid DNA complex gene transfer vector
 - » Poloxamer 407 -- plasmid DNA complex gene transfer
 - » Poly(DL-lactide-co-glycolide) (PLG) microparticles ge
 - » Polyvinylpyrrolidone -- DNA complex gene transfer
- » Viral gene transfer vectors
 - » DNA viral gene transfer vector
 - » Adeno-associated virus gene transfer vector
 - » Adeno-associated virus 1 gene transfer v
 - » Defective adeno-associated virus 1 (

Hierarchy Reports

Genetic Elements

- » Retinoblastoma cDNA
- » TP53 cDNA
- » Oncoproteins
 - » bcl2 dominant negative mutant cDNA
 - » PCR-amplified tumor mRNA from autologous primary prostate tumor tissue
 - » PCR-amplified tumor mRNA from metastatic prostate tumor ti-
 - » Truncated Ras oncogene fusion sequences
- » Peptide hormones
 - » Bovine growth hormone
 - » Erythropoietin cDNA
 - » Human growth hormone releasing hormon
- » Adenoviral stable packaging cell lines
 - » 10-3 cell line
 - » 27-18 cell line
 - » A232 cell line
 - » HEK 293 cell line
 - » PER.C6 cell line

VPCs

- » Helper virus-dependent, transfection independent systems
 - » B50 HeLa cell line; transfection-independent packaging system
 - » adenovirus serotype 5 co-infections
 - » JL L-14 HeLa cell line; transfection-independent packaging s
- » Lentiviral vector packaging systems
 - » Lentiviral stable packaging cell lines
 - » HIV stable packaging cell lines
 - » Lentiviral transient packaging cell lines

Ex-Vivo Cells

- » Established allogeneic lung cancer cells
 - » Established allogeneic lung adenocarcinoma cells SK-Lu-1
 - » Established allogeneic non-small cell lung cancer cells A549
 - » Established allogeneic non-small cell lung cancer cells NCI-H-460
 - » Established allogeneic non-small cell lung cancer cells NCI-H-520
 - » Established allogeneic non-small cell lung cancer cells Rh2
- » Established allogeneic melanoma cells
 - » Established allogeneic melanoma cells DM13
 - » Established allogeneic melanoma cells DM150



Finding Information (4c)

Search Vocabulary -- Examples

Search term: "retinal" Result: 1 Hit: RPE65

Records 1 to 1 of 1

Genetic Element Term Reports

Term Name	Definition	View Report
Retinal Pigment Epithelium - RPE65 cDNA	One form of Leber Congenital Amaurosis, LCA2, is caused by mutations in the gene encoding the 65 kDa retinal pigment epithelium (RPE)-specific protein, RPE65; RPE65 mutations are estimated to account for less than twenty percent of cases (Stone, 2007). RPE65 encodes an enzyme (retinoid isomerase) necessary for production of a vitamin A derivative, 11-cis-retinal, which in turn is necessary for vision (Redmond et al., 1998). At present no treatment is available for LCA.	<input type="button" value="View"/>

Genetic Element Term Report

Term Name	Retinal Pigment Epithelium - RPE65 cDNA
Definition	One form of Leber Congenital Amaurosis, LCA2, is caused by mutations in the gene encoding the 65 kDa retinal pigment epithelium (RPE)-specific protein, RPE65; RPE65 mutations are estimated to account for less than twenty percent of cases (Stone, 2007). RPE65 encodes an enzyme (retinoid isomerase) necessary for production of a vitamin A derivative, 11-cis-retinal, which in turn is necessary for vision (Redmond et al., 1998). At present no treatment is available for LCA.
Term Synonyms	
Protocol Numbers	0410-677 , 0510-740 , 0804-918 , 0910-1005 , 1007-1047



Finding Information (4d)

Search Vocabulary -- Examples

Hierarchy Report: Vectors

Search term: "poxvirus" Result: 6 Hits

Search by Term Name, Definition, or Term Synonym. The search box below will find results based on the exact characters entered. Entering multiple words in the search box may limit your results.

[View All](#)

Click a 'View' button to display the definition and synonyms for that term or click 'View All' to display all 6 terms listed below.

[Search](#)

Records 1 to 6 of 6

Vector Hierarchy Reports

Term Name	Definition	View Report
	A poxvirus of the genus Avipoxvirus. Has been adapted as a	View Report

Vector Hierarchy Report

[View All Terms](#)

- »Viral gene transfer vectors
 - »DNA viral gene transfer vector
 - »Poxvirus gene transfer vector
 - »Canarypox poxvirus gene transfer vector
 - »CEA-TRICOM gene transfer vector
 - »Fowlpox poxvirus gene transfer vector
 - »Fowlpox-tyrosinase gene transfer vector
 - »Vaccinia poxvirus gene transfer vector
 - »Modified vaccinia Ankara poxvirus gene transfer vector
 - »Vaccinia Western Reserve poxvirus gene transfer vector



Finding Information (5)

Search by PI or Site



GeMCRIS - Home - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites

Address http://www.gemcris.od.nih.gov/

Favorites

GeMCRIS®

Home Search

Protocols

Principal Investigators

Vocabulary Reports

Search

Protocols

Principal Investigators

Vocabulary Reports

Done

Search by Last Name, Organization, or Organization Synonym. Click a 'View' button to display the information associated with that Principal Investigator or click 'View All' to display this information for all 1249 investigators listed below.

View All

Search

Records 1 to 10 of 1249

Next 1-10

Principal Investigator Reports

Name	Organization	View Report
Abbas, Fouad	Sinai Hospital of Baltimore	View
Abhyankar, Sunil	University of South Carolina	View
Abonour, Rafat		
Aboulafia, David		
Accurso, Frank, J.		
Agarwal, Manoj		
Agarwala, Sanjiv, S.		
Aguilar-Cordova, Estuardo		
Ahmann, Frederick, R.		
Ahmed, Fakhuddin		

Principal Investigator Report

Name:	Heslop, Helen
Title:	Director, Adult Stem Cell Transplant Program
Organization:	Baylor College of Medicine
Department:	
Address:	1102 Bates 1100 Houston, Texas, 77030 United States of America
Clinical Trials:	<p>9303-038 Administration of Neomycin Resistance Gene Marked EBV Specific Cytotoxic T Lymphocytes to Patients with Phenotypically Similar Unrelated Donor Marrow Grafts.</p> <p>9303-039 Assessment of the Efficacy of Purging by Using Gene-Marked Autologous Transplant in First Complete Remission.</p> <p>9406-076 Use of Double Marking with Retroviral Vectors to Determine the Rate of Selected Marrow Cells in Patients Undergoing Autologous Bone Marrow Transplantation.</p> <p>9510-129 Administration of Neomycin Resistance Gene Marked EBV Specific Cytotoxic T Lymphocytes to Patients with Relapsed EBV-Positive Hodgkin Disease.</p> <p>9510-130 Administration of Neomycin Resistance Gene Marked EBV Specific Cytotoxic T Lymphocytes to Patients with Relapsed EBV-Positive Hodgkin Disease.</p> <p>9605-159 A Comparative Evaluation of the Utility of Hemopoietic Progenitor Cells</p>

We are seeking comments on GeMCRIS's utility and ease of use. Please take a moment to respond to the questions on the form provided through the "Feedback" link on this page. Your input is critical to ensuring that the system meets the needs of all its diverse users.

User Help

GeMCRIS® Genetic Modification Version 4.0

Home Search **User Help** System User Guide

Support

- ▶ Feedback
- ▶ Frequently Asked Questions
- ▶ Contact Us
- ▶ Browser Requirements

Welcome to the NIH Genetic Modification Clinic Information System (GeMCRIS®). GeMCRIS is information resource and analytical tool for scier participants, institutional oversight committees, officials, and others with an interest in human g research. GeMCRIS allows users to access an information about human gene transfer trials reg NIH, including medical conditions under study, i trials are being conducted, investigators carrying gene products being used, route of gene produc summaries of study protocols.

To facilitate access to this information, GeMCR of preformatted reports. You can also create yo tailored to your particular information needs. To the "Search" menu item above, or click the "Fre Questions" link on the left to learn more about u

We are seeking comments on GeMCRIS's utilit use. Please take a moment to respond to the q form provided through the "Feedback" link on th input is critical to ensuring that the system mee its diverse users.

GeMCRIS Overview

Welcome to GeMCRIS -- an electronic resource for healthcare administrators, the scientific community, and the general public.

With GeMCRIS, study investigators and people involved in the oversight of gene-transfer trials can record trial and *product* information -- as well as assess adverse events, or other clinical outcomes and events. This information may hold important implications for safety, and for future areas of *research*.

Gene transfer researchers can share information about ongoing gene-transfer trials, including:

- Names and contact information for fellow investigators
- Safety data
- Clinical outcomes and events associated with studies

Members of the public may also access GeMCRIS to find out what gene-transfer trials are being conducted, their trial locations, and principal investigator information. This information can assist in making decisions about participating in gene-transfer clinical trials.

Problems? Qs? Need Help?

- **Contacts:**
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