

INFORME DE BÚSQUEDA DE PATENTES				
N° de solicitud: NC20160004900				
CRITERIOS PARA LA BÚSQUEDA				
Palabras clave utilizadas		<i>bone marrow stem cells trachea transplant</i> <i>organ chimerization stem cell</i> <i>stem cell immunomodulation</i> <i>jose oscar gutierrez montes</i> <i>alejandra maria jerez valderrama</i> <i>Clinical transplantation of a tissue-engineered airway</i> <i>RPMI tissue preservation</i> <i>rpmi peptone "tissue preservation"</i> <i>vitamins cell culture</i> <i>decellularization bone marrow rejection</i>		
CLASIFICACIONES UTILIZADAS PARA LA BÚSQUEDA		CIP: C12N 15/11, B01L 3/00 CPC:		
DOCUMENTOS CONSIDERADOS RELEVANTES (documentos patentes, literatura no patente, etc...)				
Informes/Base de datos	N° de solicitud/Autor**	Fecha de Publicación/Presentación (DD/MM/AAAA)	Reiv. afectadas (Con indicación, si procede, de las partes relevantes o números de secuencias)	Categorías especiales de los documentos citados***
SIPI	NC2016/0004700	16/12/2016	-	A
Google	Quimerización de órganos*	27/02/2013	1-5	A
	Jerez Alejandra* ²	Junio 2017	-	P
	Lifeline Cell Thecnology* ³	2014	6	A
	Badylack* ⁵	2011	1 a 3, 7 y 9	Y
ScienceDirect	Le Blanc* ⁴	02/08/2007	1 a 3, 7 y 9	Y
Google patents	US5498427	12/03/1996	6	A
*** Categorías especiales de documentos citados:				
“A” documento que define el estado general de la técnica no considerado como particularmente relevante. “E” solicitud de patente o patente anterior pero publicada en la fecha de presentación internacional o en fecha posterior. “P” documento publicado antes de la fecha de presentación internacional pero con posterioridad a la fecha de prioridad reivindicada.		“X” documento particularmente relevante; la invención reivindicada no puede considerarse nueva o que implique una actividad inventiva por referencia al documento aisladamente considerado. “Y” documento particularmente relevante; la invención reivindicada no puede considerarse que implique una actividad inventiva cuando el documento se asocia a otro u otros documentos de la misma naturaleza, cuya combinación resulta evidente para un experto en la materia.		
Documentos no patente	* YouTube. (2013, Febrero 27) Medicina Regenerativa, Quimerización de Órganos y Tejidos, Oscar Gutierrez Univalle, Cali. Consultado en https://www.youtube.com/watch?v=PxdL3RhwyLA&t=97s *²Jerez Alejandra. Quimerización de órganos para trasplante. Tesis de Doctorado Universidad del Valle. Junio 2017 *³ Lifeline Cell Thecnology. RPMI 1640 Cell Culture Medium + HEPES + Sodium Pyruvate Instruction Sheet. Consultado en https://www.lifelinecelltech.com/pdf/INM%20RPMI-HuS_LL-0054%200514%20v2.pdf *⁴Le Blanc, K., and O. Ringden. "Immunomodulation by mesenchymal stem cells and clinical experience." <i>Journal of internal medicine</i> 262.5 (2007): 509-525. *⁵Badylak, Stephen F., Doris Taylor, and Korkut Uygün. "Whole-organ tissue engineering: decellularization and recellularization of three-dimensional matrix scaffolds." <i>Annual review of biomedical engineering</i> 13 (2011): 27-53.			
Fecha del reporte de búsqueda:		10 de mayo de 2018		



Medicina Regenerativa, Quimerización de Órganos y Tejidos, Oscar Gutierrez Univalle, Cali

2,228 views

29 1 SHARE ...



Sandra B.

Published on Feb 27, 2013

SUBSCRIBE 2

Trasplante de tejidos y organos previamente quimerizados con células madre, para disminuir riesgo de rechazo y evitar inmunosupresión; Medicina regenerativa, producción de biodispositivos.

Category **Science & Technology**
License **Standard YouTube License**

Purchase
 Download PDFs
 Export

Relevance

All access types

- ☐ **Designing a tissue-engineered tracheal scaffold for preclinical evaluation** Original Research Article
International Journal of Pediatric Otorhinolaryngology, Volume 104, January 2018, Pages 155-160
 Cameron A. Best, Victoria K. Pepper, Devan Ohst, Kyle Bodnyk, Eric Heuer, Ekene A. Onwuka, Nakesha King, Robert Strouse, Jonathan Grischkan, Christopher K. Breuer, Jed Johnson, Tenny Chiang
 ▶ Abstract PDF (534 K) Supplementary content

- ☐ **Orthotopic transplantation of a tissue engineered diaphragm in rats** Original Research Article
Biomaterials, Volume 77, January 2016, Pages 320-335
 Elena A. Gubareva, Sebastian Sjöqvist, Irina V. Gilevich, Alexander S. Sotnichenko, Elena V. Kuevda, Mei Ling Lim, Neus Feliu, Greg Lemon, Konstantin A. Danilenko, Ramazan Z. Nakokhov, Ivan S. Gumenyuk, Timofei E. Grigoriev, Sergey V. Krashennnikov, Alexander G. Pokhotko, Alexander A. Basov, Stepan S. Dzhimak, Ylva Gustafsson, Geoanna Bautista, Antonio Beltrán Rodríguez, Vladimir M. Pokrovsky, Philipp Jungebluth, *et al.*
 ▶ Abstract PDF (515 K) Supplementary content

- ☐ **Vacuum-assisted decellularization: an accelerated protocol to generate tissue-engineered human tracheal scaffolds** Original Research Article Open Access
Biomaterials, Volume 124, April 2017, Pages 95-105
 Colin R. Butler, Robert E. Hynds, Claire Crowley, Kate H.C. Gowers, Leanne Partington, Nicholas J. Hamilton, Carla Carvalho, Manuela Platé, Edward R. Samuel, Alan J. Burns, Luca Urbani, Martin A. Birchall, Mark W. Lowdell, Paolo De Coppi, Sam M. Janes
 ▶ Abstract PDF (8496 K)

- ☐ **Tissue-engineered trachea: A review** Review Article
International Journal of Pediatric Otorhinolaryngology, Volume 91, December 2016, Pages 55-63
 Jia Xian Law, Ling Ling Liao, Bin Saim Aminuddin, Bt Hj Idrus Ruszymah
 ▶ Abstract PDF (352 K) Supplementary content

- ☐ **Enhanced efficacy of the engineered antimicrobial peptide WLB2 via direct airway delivery in a murine model of *Pseudomonas aeruginosa* pneumonia** Original Research Article
Clinical Microbiology and Infection, **In Press, Corrected Proof**. Available online 4 September 2017
 C. Chen, B. Deslouches, R.C. Montelaro, Y.P. Di
 ▶ Abstract Purchase PDF

- ☐ **Kinetics of oxygen uptake by cells potentially used in a tissue engineered trachea** Original Research Article
Biomaterials, Volume 35, Issue 25, August 2014, Pages 6829-6837
 Efrem Curcio, Antonella Piscionei, Sabrina Morelli, Simona Salerno, Paolo Macchiarini, Loredana De Bartolo
 ▶ Abstract PDF (2429 K) Supplementary content

- ☐ **The first tissue-engineered airway transplantation: 5-year follow-up results** Original Research Article
The Lancet, Volume 383, Issue 9913, 18-24 January 2014, Pages 238-244
 Alessandro Gonfiotti, Massimo O Jaus, Daniel Barale, Silvia Baiguera, Camilla Comin, Federico Lavorini, Giovanni Fontana, Oriol Sibila, Giovanni Rombolà, Philipp Jungebluth, Paolo Macchiarini
 ▶ Abstract PDF (2592 K) Supplementary content

Re
ba:

F



Cualquier momento

Desde 2018

Desde 2017

Desde 2014

Intervalo específico...

Ordenar por relevancia

Ordenar por fecha

Cualquier idioma

Buscar sólo páginas en español

☒ Incluir patentes

☒ Incluir citas

☒ Crear alerta

Sugerencia: Buscar solo resultados en español. Puedes especificar el idioma de búsqueda en Configuración de Google Académico..

Extracellular matrix scaffolds for **cartilage** and **bone** regeneration

[HTML] utwente.nl

KEM Benders, PR van Weeren, [SF Badylak](#)... - Trends in ..., 2013 - Elsevier

... The process of **decellularization** paves the way for the use of xenogeneic material, the ... so there may be a need for different biomaterials for the **cartilaginous** and osseous ... Second, integration between **cartilage** and **bone** is challenging and depends on simultaneous maturation of ...

☆ Citado por 267 Artículos relacionados Las 14 versiones

Extraction techniques for the **decellularization** of tissue engineered articular **cartilage** constructs

[HTML] nih.gov

BD Elder, SV Eleswarapu, [KA Athanasiou](#) - Biomaterials, 2009 - Elsevier

... While the use of **decellularized** xenograft explants can also be considered, both approaches must be explored before determining which approach ... **Cartilage** was harvested from the distal femur of wk-old male calves [24-26] (Research 87, Boston, MA ... **Decellularization** phase II ...

☆ Citado por 151 Artículos relacionados Las 16 versiones

Initial binding and recellularization of **decellularized** mouse lung scaffolds with **bone marrow**-derived mesenchymal stromal cells

[HTML] nih.gov

[AB Daly](#), JM Wallis, ZD Borg... - ... Engineering Part A, 2011 - online.liebertpub.com

... **Cartilage**, **bone**, and adipose tissue-specific primer sets, respectively, were Col2a1, Osteop, and ... were observed in the sub-epithelial regions of the **cartilaginous** trachea (chondrocytes ... remaining in the **decellularized** lungs is critical to optimize **decellularization** and subsequent ...

☆ Citado por 141 Artículos relacionados Las 7 versiones

Success rates and immunologic responses of autogenic, allogenic, and xenogenic treatments to repair articular **cartilage** defects

[HTML] nih.gov

CM Revell, [KA Athanasiou](#) - Tissue Engineering Part B ..., 2008 - online.liebertpub.com

... rate, as assessed by complete filling of the defect with **cartilaginous** ECM ... 18 reported exciting results using a photooxidation technique for **decellularization** of bovine osteochondral grafts ... ability to affect the aromatic and sulfur-containing amino acids of **cartilage's** collagen fibrils ...

☆ Citado por 125 Artículos relacionados Las 9 versiones

Regeneration and orthotopic transplantation of a bioartificial lung

[PDF] semanticscholar.org

[HC Ott](#), B Clippinger, C Conrad, [C Schuetz](#)... - Nature medicine, 2010 - nature.com

... 1). At this dose of SDS, scattered nuclear remnants were found only within the **cartilaginous** rings of the trachea ... Perfusion **decellularization** of lungs ... After the retrosternal fat body was removed, we transected the trachea at the thyroid **cartilage** and mobilized it distally to the ...

☆ Citado por 801 Artículos relacionados Las 18 versiones

Whole-organ tissue engineering: **decellularization** and recellularization of three-dimensional matrix scaffolds

[PDF] researchgate.net

[SF Badylak](#), D Taylor, [K Uygun](#) - Annual review of biomedical ..., 2011 - annualreviews.org

... To date, three-dimensional scaffolds composed of **decellularized** organ-specific ECM have been ... Some reported perfusion protocols for organ **decellularization** are shown in Figure 2. As a ... Examples of autologous cell therapy include **bone marrow** cell delivery for treatment of ...

☆ Citado por 657 Artículos relacionados Las 7 versiones