cell therapy

	NCT Number	Title	Authors	Description	Identifier	Dates
1	pubmed:36067542	Dynamic alterations of immunosenescence-related genes in older women with breast cancer receiving chemotherapy: A prospective study	Qi Wu Barbara Brouwers Bruna Dalmasso Cindy Kenis Peter Vuylsteke Guy Debrock Ann Smeets Annouschka Laenen Hans Wildiers Sigrid Hatse	CONCLUSION: Chemotherapy leads to transient perturbation of immune-related gene expression and potentially stimulates immunity in the long term. Well-nourished patients experience less impact of chemotherapy on immune-related gene expression profiles.	pmid:36067542 doi:10.1016/j.tranon.2022.101527	Tue, 06 Sep 2022 06:00:00 -0400
2	pubmed:36067544	lncRNA JPX modulates malignant progress of osteosarcoma through targeting miR-33a-5p and PNMA1 regulatory loop	Wei Xiong Dan Liu Xi Chen Leiting Liu Weihong Xiao	Osteosarcoma (OS) is a common type of bone tumor, present worldwide, that has distal metastasis ability. Although continuous development in cancer therapy has taken place, there are still no effective metastasis-curbing strategies for OS available. Hence, a better understanding of the biological characteristics and molecular mechanisms of OS carcinogenesis is urgently needed. Long noncoding RNAs (lncRNAs) have captured great interest among cancer scientists with considerable potential...	pmid:36067544 doi:10.1016/j.tranon.2022.101504	Tue, 06 Sep 2022 06:00:00 -0400
3	pubmed:36067704	TRIM7 modulates NCOA4-mediated ferritinophagy and ferroptosis in glioblastoma cells	Kaiqiang Li Bingyu Chen Aibo Xu Jinglan Shen Kaixuan Li Ke Hao Rongrong Hao Wei Yang Wanli Jiang Yongfa Zheng Feihang Ge Zhen Wang	CONCLUSION: We for the first time demonstrate that TRIM7 modulates NCOA4-mediated ferritinophagy and ferroptosis in glioblastoma cells, and our findings provide a novel insight into the progression and treatment for human glioblastoma.	pmid:36067704 doi:10.1016/j.redox.2022.102451	Tue, 06 Sep 2022 06:00:00 -0400
4	pubmed:36067736	Stem cell therapies for gastrointestinal anastomotic healing: a systematic review and meta-analysis on results from animal studies	Apostolos Gaitanidis Leonidas Kandilogiannakis Eirini Filidou Alexandra Tsaroucha George Kolios Michail Pitiakoudis	CONCLUSION: Stem cell therapy may be associated with lower AL rates in gastrointestinal anastomoses, though meta-analysis is severely inhibited by heterogeneous study design. More studies are needed to determine the therapeutic potential of stem cells.	pmid:36067736 doi:10.1159/000526603	Tue, 06 Sep 2022 06:00:00 -0400
5	pubmed:36067800	Diverse Approaches to Gene Therapy of Sickle Cell Disease	Shanna L White Kevyn Hart Donald B Kohn	Sickle cell disease (SCD) results from a single base pair change in the sixth codon of the -globin chain of hemoglobin, which promotes aggregation of deoxyhemoglobin, increasing rigidity of red blood cells and causing vaso-occlusive and hemolytic complications. Allogeneic transplant of hematopoietic stem cells (HSCs) can eliminate SCD manifestations but is limited by absence of well-matched donors and immune complications. Gene therapy with transplantation of autologous HSCs that are...	pmid:36067800 doi:10.1146/annurev-med-042921-021707	Tue, 06 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
6	pubmed:36067841	Flavonoids as regulators of TIMPs expression in cancer: Consequences, opportunities, and challenges	Lorena Cayetano-Salazar Dania A Nava-Tapia Kevin D Astudillo-Justo Adán Arizmendi-Izazaga César Sotelo-Leyva Mayra Herrera-Martinez Sócrates Villegas-Comonfort Napoleón Navarro-Tito	Cancer is one of the leading causes of death in patients worldwide, where invasion and metastasis are directly responsible for this statement. Although cancer therapy has progressed in recent years, current therapeutic approaches are ineffective due to toxicity and chemoresistance. Therefore, it is essential to evaluate other treatment options, and natural products are a promising alternative as they show antitumor properties in different study models. This review describes the regulation of...	pmid:36067841 doi:10.1016/j.lfs.2022.120932	Tue, 06 Sep 2022 06:00:00 -0400
7	pubmed:36067869	Application of vaccine response in the evaluation of patients with suspected B-cell immunodeficiency: Assessment of responses and challenges with interpretation	Lisa K Peterson	Diagnostic vaccination is an integral component in the evaluation of patients suspected to have a B cell or humoral deficiency. Evaluation of antibody production in response to both protein- and polysaccharide-based vaccines aids in distinguishing between specific categories of humoral deficiency. Although assessment of pneumococcal polysaccharide responses is widely available and included in diagnostic guidelines, significant variability still exists in the measurement and interpretation of...	pmid:36067869 doi:10.1016/j.jim.2022.113350	Tue, 06 Sep 2022 06:00:00 -0400
8	pubmed:36067874	Cancer Cell Membrane-Coated C-TiO_2 Hollow Nanoshells for Combined Sonodynamic and Hypoxia-Activated Chemotherapy	Shipeng Ning Xingliang Dai Weiwei Tang Qinglong Guo Meng Lyu Daoming Zhu Wei Zhang Haisheng Qian Xiaxi Yao Xianwen Wang	Sonodynamic therapy (SDT) is a promising strategy for tumor treatment that satisfies all requirements of penetrating deep-seated tissues without causing additional trauma. However, the hypoxic tumor microenvironment impairs the therapeutic effect of SDT. The synergistic treatment of oxygen concentration-dependent SDT and bio-reductive therapy has been proved to be an effective approach to improve the therapeutic efficiency of SDT by exploiting tumor hypoxia. Herein, a biomimetic drug delivery...	pmid:36067874 doi:10.1016/j.actbio.2022.08.067	Tue, 06 Sep 2022 06:00:00 -0400
9	pubmed:36067956	Goldnanorods-loaded hydrogel-forming needlesfor local hyperthermia applications: Proof of concept	Iman M N Hamdan Ismaiel A Tekko Steven E J Bell	Basal cell carcinoma (BCC) is the most common form of skin cancer and responsible for most of the cancer related morbidities and pose a significant public health concern worldwide. Surgery treatment modality is able to clear the BCC, yet it mostly leads to scar formation. Plasmonic photothermal therapy (PPTT) which involves using gold nanostructures and near-infrared light to kill the BCC cells by local heating is associated with excellent tissue preservation and healing without scarring....	pmid:36067956 doi:10.1016/j.ejpb.2022.08.022	Tue, 06 Sep 2022 06:00:00 -0400
10	pubmed:36067975	Repurposing Antifungal Drugs for Cancer Therapy	Ningna Weng Zhe Zhang Yunhan Tan Xiaoyue Zhang Xiawei Wei Qing Zhu	BACKGROUND: Repurposing antifungal drugs in cancer therapy has attracted unprecedented attention in both preclinical and clinical research due to specific advantages, such as safety, high-cost effectiveness and time savings compared with cancer drug discovery. The surprising and encouraging efficacy of antifungal drugs in cancer therapy, mechanistically, is attributed to the overlapping targets or molecular pathways between fungal and cancer pathogenesis. Advancements in omics, informatics and...	pmid:36067975 doi:10.1016/j.jare.2022.08.018	Tue, 06 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
11	pubmed:36067994	Current and future perspectives on CAR-T cell therapy for renal cell carcinoma: A comprehensive review	Tae Jin Kim Young Hwa Lee Kyo Chul Koo	In the clinical setting of renal cell carcinoma (RCC), immune reactions such as tumor-specific T cell responses can be spontaneous events or can be elicited by checkpoint inhibitors, cytokines, and other immunotherapy modalities. The results from immunotherapy have led to significant advances in treatment methods and patient outcomes. The approval of nivolumab primarily as a second-line monotherapy and the latest approval of novel combination therapies as first-line treatment have established...	pmid:36067994 doi:10.4111/icu.20220103	Tue, 06 Sep 2022 06:00:00 -0400
12	pubmed:36068062	Cell membrane coated electrochemical sensor for kinetic measurements of GLUT transport	Jiaqian Zhao Chengcheng Wang Xinran Zhang Junmin Li Yuqiao Liu Xinyu Pan Ling Zhu Dajing Chen Tian Xie	The upregulation of glucose transporter (GLUT) is a typical pathological marker in numerous cancer types and a potential target for anti-cancer drug therapy. We developed a cell membrane-based glucose sensor for real-time monitoring of GLUT transport kinetics. By combining hydrogel layers and liposomes, a planar cell membrane was constructed over the electrode, preventing pore leakage and allowing for highly sensitive and selective measurements. Based on this continuous monitoring technique, we...	pmid:36068062 doi:10.1016/j.aca.2022.340263	Tue, 06 Sep 2022 06:00:00 -0400
13	pubmed:36068150	Predicting the probability of malignant pathological type of kidney cancer based on mass size: A retrospective study	J Li X Li Z Jiang C Hu J Liu J Huo B Liu	CONCLUSION: We evaluated the degree of malignancy of different sizes RCC in a retrospective study. This result may be helpful in the choice of initial therapy strategies for kidney cancer patients.	pmid:36068150 doi:10.1016/j.purol.2022.08.007	Tue, 06 Sep 2022 06:00:00 -0400
14	pubmed:36068158	Treatment Landscape of Relapsed/Refractory Mantle Cell Lymphoma: An Updated Review	Mubarak Al-Mansour	Mantle cell lymphoma (MCL) accounts for nearly 2-6% of all non-Hodgkin lymphoma (NHL) cases, with a steady incidence increase over the past few decades. Although many patients achieve an adequate response to the upfront treatment, the short duration of remission with rapid relapse is challenging during MCL management. In this regard, there is no consensus on the best treatment options for relapsed/refractory (R/R) disease, and the international guidelines demonstrate wide variations in the...	pmid:36068158 doi:10.1016/j.clml.2022.07.017	Tue, 06 Sep 2022 06:00:00 -0400
15	pubmed:36068198	Lactate increases stemness of CD8+T cells to augment anti-tumor immunity	Qiang Feng Zhida Liu Xuexin Yu Tongyi Huang Jiahui Chen Jian Wang Jonathan Wilhelm Suxin Li Jiwon Song Wei Li Zhichen Sun Baran D Sumer Bo Li Yang-Xin Fu Jinming Gao	Lactate is a key metabolite produced from glycolytic metabolism of glucose molecules, yet it also serves as a primary carbon fuel source for many cell types. In the tumor-immune microenvironment, effect of lactate on cancer and immune cells can be highly complex and hard to decipher, which is further confounded by acidic protons, a co-product of glycolysis. Here we show that lactate is able to increase stemness of CD8^(+) T cells and augments anti-tumor immunity. Subcutaneous administration of...	pmid:36068198 doi:10.1038/s41467-022-32521-8	Tue, 06 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
16	pubmed:36068200	S1PR1 induces metabolic reprogramming of ceramide in vascular endothelial cells, affecting hepatocellular carcinoma angiogenesis and progression	Xuehong Wang Zhidong Qiu Wei Dong Zebin Yang Junnan Wang Hailiang Xu Tian Sun Zhaoquan Huang Junfei Jin	Angiogenesis is a fundamental process underlying the occurrence, growth and metastasis of hepatocellular carcinoma (HCC), a prevalent tumour type with an extremely poor prognosis due to abundant vasculature. However, the underlying mechanism of angiogenesis in HCC remains largely unknown. Herein, we found that sphingosine-1-phosphate receptor 1 (S1PR1) plays an important role in HCC angiogenesis. S1PR1 was found to be selectively and highly expressed in the blood vessels of HCC tissues compared...	pmid:36068200 doi:10.1038/s41419-022-05210-z	Tue, 06 Sep 2022 06:00:00 -0400
17	pubmed:36068203	Tobacco carcinogen induces tryptophan metabolism and immune suppression via induction of indoleamine 2,3-dioxygenase 1	Fan Liang Gui-Zhen Wang Yan Wang Ya-Ning Yang Zhe-Sheng Wen Dong-Ni Chen Wen-Feng Fang Bin Zhang Lu Yang Chen Zhang Si-Chong Han Fu-Ying Yang Di Wang Li-Jun Liang Zheng Wang Yong Zhao Chang-Li Wang Li Zhang Guang-Biao Zhou	Indoleamine 2,3-dioxygenase 1 (IDO1), the enzyme that catabolizes tryptophan (Trp) metabolism to promote regulatory T cells (Tregs) and suppress CD8^(+) T cells, is regulated by several intrinsic signaling pathways. Here, we found that tobacco smoke, a major public health concern that kills 8 million people each year worldwide, induced IDO1 in normal and malignant lung epithelial cells in vitro and in vivo. The carcinogen nicotine-derived nitrosaminoketone (NNK) was the tobacco compound that...	pmid:36068203 doi:10.1038/s41392-022-01127-3	Tue, 06 Sep 2022 06:00:00 -0400
18	pubmed:36068208	RNA G-quadruplex formed in SARS-CoV-2 used for COVID-19 treatment in animal models	Geng Qin Chuanqi Zhao Yan Liu Cheng Zhang Guang Yang Jie Yang Zhao Wang Chunyu Wang Changchun Tu Zhendong Guo Jinsong Ren Xiaogang Qu	The ongoing COVID-19 pandemic has continued to affect millions of lives worldwide, leading to the urgent need for novel therapeutic strategies. G-quadruplexes (G4s) have been demonstrated to regulate life cycle of multiple viruses. Here, we identify several highly conservative and stable G4s in SARS-CoV-2 and clarify their dual-function of inhibition of the viral replication and translation processes. Furthermore, the cationic porphyrin compound 5,10,15,20-tetrakis-(N-methyl-4-pyridyl)porphine...	pmid:36068208 doi:10.1038/s41421-022-00450-x	Tue, 06 Sep 2022 06:00:00 -0400
19	pubmed:36068218	Concerns about cell therapy for intervertebral disc degeneration	Baogan Peng Yongchao Li	No abstract	pmid:36068218 doi:10.1038/s41536-022-00245-4	Tue, 06 Sep 2022 06:00:00 -0400
20	pubmed:36068291	Pyroptosis correlates with tumor immunity and prognosis	Xiaoying Lou Kexin Li Benheng Qian Yiling Li Donghong Zhang Wei Cui	Pyroptosis, as a proinflammatory form of regulated cell death, plays an important role in multiple cancers. However, the diagnostic and prognostic values of pyroptosis and its interaction with tumor immunity in pan-cancer are still unclear. Here, we show an elevated general expression of 17 pyroptosis-associated genes of tumor patients with high-immune-activity and a reduced pyroptosis in low-immune-activity tumors. Moreover, pyroptosis is positively correlated with immune infiltration and...	pmid:36068291 doi:10.1038/s42003-022-03806-x	Tue, 06 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
21	pubmed:36068326	Restorative therapy clinical trials for erectile dysfunction: a scoping review of endpoint measures	Russell G Saltzman Roei Golan Thomas A Masterson Aditya Sathe Ranjith Ramasamy	Given the lack of regulatory approval for restorative therapies for the treatment of erectile dysfunction, we hypothesized that clinical trials would vary in methodology and endpoint measurements. Our objective was to analyze methodological approaches and outcome measures of clinical trials evaluating restorative therapies for erectile dysfunction. Data was extracted from clinicaltrials.gov on trials which contained the keywords "erectile dysfunction". We evaluated trials initiated between 2004...	pmid:36068326 doi:10.1038/s41443-022-00610-3	Tue, 06 Sep 2022 06:00:00 -0400
22	pubmed:36068334	CPEB3 suppresses gastric cancer progression by inhibiting ADAR1-mediated RNA editing via localizing ADAR1 mRNA to P bodies	Jian Chen Lu Li Tian-Yu Liu Hua-Feng Fu Yuan-Hui Lai Xiong Lei Jun-Fa Xu Ji-Shang Yu Yu-Jian Xia Tian-Hao Zhang Dong-Jie Yang Yu-Long He	Deciphering the crosstalk between RNA-binding proteins and corresponding RNAs will provide a better understanding of gastric cancer (GC) progression. The comprehensive bioinformatics study identified cytoplasmic polyadenylation element-binding protein 3 (CPEB3) might play a vital role in GC progression. Then we found CPEB3 was downregulated in GC and correlated with prognosis. In addition, CPEB3 suppressed GC cell proliferation, invasion and migration in vitro, as well as tumor growth and...	pmid:36068334 doi:10.1038/s41388-022-02454-z	Tue, 06 Sep 2022 06:00:00 -0400
23	pubmed:36068464	Design of Personalized Neoantigen RNA Vaccines Against Cancer Based on Next-Generation Sequencing Data	Begoña Alburquerque-González María Dolores López-Abellán Ginés Luengo-Gil Silvia Montoro-García Pablo Conesa-Zamora	The good clinical results of immune checkpoint inhibitors (ICIs) in recent cancer therapy and the success of RNA vaccines against SARS-nCoV2 have provided important lessons to the scientific community. On the one hand, the efficacy of ICI depends on the number and immunogenicity of tumor neoantigens (TNAs) which unfortunately are not abundantly expressed in many cancer subtypes. On the other hand, novel RNA vaccines have significantly improved both the stability and immunogenicity of mRNA and...	pmid:36068464 doi:10.1007/978-1-0716-2573-6_7	Tue, 06 Sep 2022 06:00:00 -0400
24	pubmed:36068470	Pharmacogenomics of Alzheimer's Disease: Novel Strategies for Drug Utilization and Development	Ramón Cacabelos Vinogran Naidoo Olaia Martínez-Iglesias Lola Corzo Natalia Cacabelos Rocío Pego Juan C Carril	Alzheimer's disease (AD) is a priority health problem in developed countries with a high cost to society. Approximately 20% of direct costs are associated with pharmacological treatment. Over 90% of patients require multifactorial treatments, with risk of adverse drug reactions (ADRs) and drug-drug interactions (DDIs) for the treatment of concomitant diseases such as hypertension (>25%), obesity (>70%), diabetes mellitus type 2 (>25%), hypercholesterolemia (40%), hypertriglyceridemia (20%),...	pmid:36068470 doi:10.1007/978-1-0716-2573-6_13	Tue, 06 Sep 2022 06:00:00 -0400
25	pubmed:36068527	Stem cell therapy as a promising strategy in necrotizing enterocolitis	Si-Jia Di Si-Yuan Wu Tian-Jing Liu Yong-Yan Shi	Necrotizing enterocolitis (NEC) is a devastating gastrointestinal disease that affects newborns, particularly preterm infants, and is associated with high morbidity and mortality. No effective therapeutic strategies to decrease the incidence and severity of NEC have been developed to date. Stem cell therapy has been explored and even applied in various diseases, including gastrointestinal disorders. Animal studies on stem cell therapy have made great progress, and the anti-inflammatory,...	pmid:36068527 doi:10.1186/s10020-022-00536-y	Tue, 06 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
26	pubmed:36068556	Haptoglobin is an early indicator of survival after radiation-induced severe injury and bone marrow transplantation in mice	Shixiang Zhou Yaqiong Li Lexin He Min Chen Weihong Li Ting Xiao Jian Guan Zhenhua Qi Qi Wang Siyuan Li Pingkun Zhou Zhidong Wang	CONCLUSIONS: Our study suggests that Hp can be used not only as an early molecule marker of radiation injury, but also as an important indicator of bone marrow transplantation therapy for radiation injury, bringing new scientific discoveries in the diagnosis and treatment of acute radiation injury from the perspective of systemic immunity.	pmid:36068556 doi:10.1186/s13287-022-03162-x	Tue, 06 Sep 2022 06:00:00 -0400
27	pubmed:36068595	Emerging roles of mesenchymal stem cell therapy in patients with critical limb ischemia	Zeinab Shirbaghaee Mohammad Hassani Saeed Heidari Keshel Masoud Soleimani	Critical limb ischemia (CLI), the terminal stage of peripheral arterial disease (PAD), is characterized by an extremely high risk of amputation and vascular issues, resulting in severe morbidity and mortality. In patients with severe limb ischemia with no alternative therapy options, such as endovascular angioplasty or bypass surgery, therapeutic angiogenesis utilizing cell-based therapies is vital for increasing blood flow to ischemic regions. Mesenchymal stem cells (MSCs) are currently...	pmid:36068595 doi:10.1186/s13287-022-03148-9	Tue, 06 Sep 2022 06:00:00 -0400
28	pubmed:36068607	Identification of HBEGF+ fibroblasts in the remission of rheumatoid arthritis by integrating single-cell RNA sequencing datasets and bulk RNA sequencing datasets	Nachun Chen Baoying Fan Zhiyong He Xinping Yu Jinjun Wang	CONCLUSIONS: HBEGF+ fibroblasts play a role in the remission of rheumatoid arthritis, and HBEGF has potential to become a novel biomarker for prediction of RA progress.	pmid:36068607 doi:10.1186/s13075-022-02902-x	Tue, 06 Sep 2022 06:00:00 -0400
29	pubmed:36068636	Oral lichenoid lesion in association with chemotherapy treatment for non-Hodgkin lymphoma or lichen planus? Review of the literature and report of two challenging cases	Letícia Côgo Marques Laiza Angela de Medeiros Nunes da Silva Pâmella de Pinho Montovani Santos Amanda de Almeida Lima Borba Lopes Karin Soares Cunha Adrianna Milagres Rafaela Elvira Rozza-de-Menezes Arley Silva Junior Danielle Castex Conde	CONCLUSION: A well-detailed anamnesis associated with the drug history, temporal relationship of the appearance of the lesions, and follow-up of patients are fundamental for the diagnosis of OLL related to drugs. Nevertheless, its differentiation from OLP is still a challenge.	pmid:36068636 doi:10.1186/s13005-022-00333-2	Tue, 06 Sep 2022 06:00:00 -0400
30	pubmed:36068732	Corrigendum to <Diverse spectral band-based deep residual network for tongue squamous cell carcinoma classification using fiber optic Raman spectroscopy> <[Photodiagnosis and Photodynamic Therapy, Volume 32, December 2020, 102048]>	Jingya Ding Mingxin Yu Lianqing Zhu Tao Zhang Jiabin Xia Guangkai Sun	No abstract	pmid:36068732 doi:10.1016/j.pdpdt.2022.102981	Wed, 07 Sep 2022 06:00:00 -0400
31	pubmed:36068773	Cell plasticity in patients with NSCLC: The controversial origins of transformed SCLC	Xinlin Liang Anqi Lin Qiongyao Wang Jian Zhang Peng Luo	In recent years, the application of targeted therapy has greatly improved the survival of NSCLC patients with known tumor mutations. However, the plasticity of tumor cells can drive them to transform into a phenotypic state that is no longer targeted by drugs. One of the mechanisms by which drug resistance occurs is the transformation from NSCLC to SCLC. This seems to occur because of the selection pressure exerted by the drugs. However, the transformation has also been observed in non-targeted...	pmid:36068773 doi:10.1016/j.biopha.2022.112909	Wed, 07 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
32	pubmed:36068774	Combined drug triads for synergic neuroprotection in retinal degeneration	Victoria Maneu Pedro Lax Antonio Miguel G De Diego Nicolás Cuenca Antonio G García	This review focuses on retina degeneration occurring during glaucoma, age-related macular degeneration (AMD), diabetic retinopathy (DR), and retinitis pigmentosa (RP), and on the potential therapeutic use of triads of repositioned medicines, addressed to distinct but complementary targets, to prevent, delay or stop retina cell death. Although myriad pathogenic mechanisms have been implicated in these disorders, common signaling pathways leading to apoptotic cell death to all of them, and to all...	pmid:36068774 doi:10.1016/j.biopha.2022.112911	Wed, 07 Sep 2022 06:00:00 -0400
33	pubmed:36068779	Advanced cell therapy with low tissue factor loaded product NestaCell® does not confer thrombogenic risk for critically ill COVID-19 heparin-treated patients	Rodrigo Pinheiro Araldi Benedito Carlos Prezoto Vivian Gonzaga Bruna Policiquio Thais Biude Mendes Fernanda D'Amélio Hugo Vigerelli Mariana Viana Cristiane Wenceslau Valverde Eduardo Pagani Irina Kerkis	Since the COVID-19 pandemic started, mesenchymal stromal cells (MSC) appeared as a therapeutic option to reduce the over-activated inflammatory response and promote recovery of lung damage. Most clinical studies use intravenous injection for MSC delivery, raising several concerns of thrombogenic risk due to MSC procoagulant activity (PCA) linked to the expression of tissue factor (TF/CD142). This is the first study that demonstrated procoagulant activity of TF+ human immature dental pulp stromal...	pmid:36068779 doi:10.1016/j.biopha.2022.112920	Wed, 07 Sep 2022 06:00:00 -0400
34	pubmed:36068809	Mucosal Immunity After Novel COVID-19 Infection - Virus-Induced Immunosuppression: Preliminary Study	Elena Agafonova Irina Reshetnikova Farida Rizvanova	In recovered COVID-19 patients, the state of mucosal immunity remains understudied. Cytological, functional, and metabolic characteristics of neutrophils and the interleukin status will help to correctly assess the need for immunorehabilitation measures. The study objective is to assess the state of mucosal immunity after COVID-19. A comprehensive study of mucosal immunity included the assessment of nasal mucosal neutrophils with the monitoring of destructive and apoptotic changes as well as...	pmid:36068809 pmc:PMC9437408 doi:10.1007/s12668-022-01020-x	Wed, 07 Sep 2022 06:00:00 -0400
35	pubmed:36068918	Inducing mismatch repair deficiency sensitizes immune-cold neuroblastoma to anti-CTLA4 and generates broad anti-tumor immune memory	Mikal El-Hajjar Lara Gerhardt Megan M Y Hong Mithunah Krishnamoorthy Rene Figueredo Xiufen Zheng James Koropatnick Saman Maleki Vareki	Immune checkpoint blockade can induce potent and durable responses in patients with highly immunogenic mismatch repair-deficient tumors; however, these drugs are ineffective against immune-cold neuroblastoma tumors. To establish a role for a T-cell-based therapy against neuroblastoma, we show that T-cell and memory T-cell-dependent gene expression are associated with improved survival in high-risk neuroblastoma patients. To stimulate anti-tumor immunity and reproduce this immune phenotype in...	pmid:36068918 doi:10.1016/j.ymthe.2022.08.025	Wed, 07 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
36	pubmed:36068919	NLRC3 Expression in Macrophage Impairs Glycolysis and Host Immune Defence by Modulating the NF-B-NFAT5 Complex During Sepsis-induced Immunosuppression	Jiqian Xu Chenggang Gao Yajun He Xiangzhi Fang Deyi Sun Zhekang Peng Hairong Xiao Miaomiao Sun Pei Zhang Ting Zhou Xiaobo Yang Yuan Yu Ruiting Li Xiaojing Zou Huaqing Shu Yang Qiu Xi Zhou Shiying Yuan Shanglong Yao You Shang	Impairment of innate immune cell function and metabolism underlies immunosuppression in sepsis, however, a promising therapy to orchestrate this impairment is currently lacking. In this study, high levels of NOD-like receptor family CARD domain containing-3 (NLRC3) correlated with the glycolytic defects of monocytes/macrophages from septic patients and mice that developed immunosuppression. Myeloid-specific NLRC3 deletion improved macrophage glycolysis and sepsis-induced immunosuppression....	pmid:36068919 doi:10.1016/j.ymthe.2022.08.023	Wed, 07 Sep 2022 06:00:00 -0400
37	pubmed:36068950	Long-term outcomes and predictors of early response, late relapse and survival for patients treated with bispecific LV20.19 CAR T-cells	Joanna C Zurko Timothy S Fenske Bryon D Johnson Daniel Bucklan Aniko Szabo Huiqing Xu Katherine Chaney Mehdi Hamadani Parameswaran Hari Nirav N Shah	We previously reported results of a first in-human trial of bispecific LV20.19 chimeric antigen receptor T-cell (CAR-T) therapy, demonstrating high response rates in patients with relapsed, refractory (R/R) B-cell malignancies. We now report two-year survival outcomes and predictors of early response, late relapse, and survival. Patients from the previously reported phase 1 dose escalation and expansion trial of LV20.19 CAR-T therapy (NCT03019055) treated at target dose of 2.5x10 cells/kg...	pmid:36068950 doi:10.1002/ajh.26718	Wed, 07 Sep 2022 06:00:00 -0400
38	pubmed:36068969	AIDS-related cytomegalovirus encephalitis in the late ART era: A retrospective cohort study at a referral center in Brazil	Rodovaldo M Lucas Júnior Giuliane Bogoni Gustavo A Reis Schneider Nidyanara F Castanheira de Souza Maria Kassab Carvalho José Ernesto Vidal	CONCLUSIONS: The epidemiological and immunological profile of individuals with CMV encephalitis was similar to that described in the pre-ART era, but in contrast, most cases were treated and discharged from the hospital.	pmid:36068969 doi:10.1177/09564624221124697	Wed, 07 Sep 2022 06:00:00 -0400
39	pubmed:36068970	Delivery of human natural killer cell-derived exosomes for liver cancer therapy: an in vivo study in subcutaneous and orthotopic animal models	Ho Yong Kim Hyun-Ki Min Hyeong-Woo Song Ami Yoo Seonmin Lee Kyu-Pyo Kim Jong-Oh Park You Hee Choi Eunpyo Choi	Exosomes are nanosized extracellular vesicles secreted by various cell types, including those of the immune system, such as natural killer (NK) cells. They play a role in intercellular communication by transporting signal molecules between the cells. Recent studies have reported that NK cell-derived exosomes (NK-exo) contain cytotoxic proteins-induced cell death. However, the characteristics and potential functions of NK-exo, especially for the liver cancer are poorly understood. In this study,...	pmid:36068970 doi:10.1080/10717544.2022.2118898	Wed, 07 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
40	pubmed:36069051	Combined chemoradiotherapy and PD-L1 blockade leads to changes in the circulating TCR repertoire of patients with NSCLC	Masanori Someya Serina Tokita Takayuki Kanaseki Mio Kitagawa Tomokazu Hasegawa Takaaki Tsuchiya Yuki Fukushima Toshio Gocho Yoh Kozuka Shoh Mafune Yutaro Ikeuchi Mamoru Takahashi Keigo Moniwa Kazuhiko Matsuo Tadashi Hasegawa Toshihiko Torigoe Koh-Ichi Sakata	Combined chemoradiotherapy (CRT) and PD-L1 blockade is a new care standard for unresectable stage III non-small cell lung cancer (NSCLC). Although this consolidation therapy has improved the overall survival of patients with NSCLC, the synergistic action mechanisms of CRT and immunotherapy on T cells remain unclear. In addition, there is a paucity of reliable biomarkers to predict clinical responses to therapy. In this study, we analyzed T cell receptor (TCR) sequences in the peripheral blood of...	pmid:36069051 doi:10.1111/cas.15566	Wed, 07 Sep 2022 06:00:00 -0400
41	pubmed:36069183	Red Blood Cell Microparticles Limit Hematoma Growth in Intracerebral Hemorrhage	Ashish K Rehni Sunjoo Cho Hever Navarro Quero Vibha Shukla Zhexuan Zhang Chuanhui Dong Weizhao Zhao Miguel A Perez-Pinzon Sebastian Koch Wenche Jy Kunjan R Dave	CONCLUSIONS: Our results demonstrate that RMP therapy limits hematoma growth and improves outcomes post-sICH in a rodent model. Therefore, RMPs have the potential to limit hematoma growth in sICH patients.	pmid:36069183 doi:10.1161/STROKEAHA.122.039641	Wed, 07 Sep 2022 06:00:00 -0400
42	pubmed:36069254	Cellular senescence: a promising therapeutic target in colorectal cancer	Yue Wu Min Xie Jia-Huan Sun Cong-Cong Li Ge-Hong Dong Qin-Sheng Zhang Pei-Lin Cui	Colorectal cancer is one of the most malignant cancers worldwide, and efforts have been made to elucidate the mechanism of colorectal carcinogenesis. Cellular senescence is a physiological process in cell life, but it is also found in cancer initiation and progression. Lines of evidence show that senescence may influence the development and progression of colorectal carcinogenesis. Here, the authors review the characteristics of senescence and the recent findings of a relationship between...	pmid:36069254 doi:10.2217/fon-2021-0661	Wed, 07 Sep 2022 06:00:00 -0400
43	pubmed:36069257	Iron Chelators, Such as Deferasirox, When Combined With Hydroxyurea, Provide an Additional Benefit of Iron Chelation in Patients Receiving Chronic Transfusion Therapy	Konstantinos Manganas Sophia Delicou Aikaterini Xydaki John Koskinas	Red blood cell (RBC) transfusions have been established as one of the primary therapies in treating sickle cell anemia. However, they are not free of side effects, with overloading the body with iron being one of the most important. Iron chelation therapy greatly reduces the iron load of the body. In addition, hydroxyurea (HU), an oral chemotherapeutic drug also has a significant role in the treatment of the disease with beneficial effects on many of the clinical problems that arise, mainly in...	pmid:36069257 doi:10.1080/03630269.2022.2088382	Wed, 07 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
44	pubmed:36069314	Tannin-bridged magnetic responsive multifunctional hydrogel for enhanced wound healing by mechanical stimulation-induced early vascularization	Peng Wang Caili Lv Xiaosong Zhou Zhenxu Wu Zongliang Wang Yu Wang Liqiang Wang Yongzhan Zhu Min Guo Peibiao Zhang	Wound healing is a complex process. Wound-repair materials require multiple functionalities, such as anti-inflammatory, antibacterial, angiogenesis, pro-proliferation, and remodeling. To achieve rapid tissue regeneration, magnetic field-assisted therapy has become a promising means. In this study, a homogeneous magnetic responsive nanocomposite hydrogel with enhanced mechanical properties was obtained through a tannin (TA)-assisted bridge between magneto-deformable cobalt ferrite nanoparticles...	pmid:36069314 doi:10.1039/d2tb01378a	Wed, 07 Sep 2022 06:00:00 -0400
45	pubmed:36069324	Prognostic factors and outcomes in minimal access resections of skull base and sinonasal epithelial malignancy	Peta-Lee Sacks Raquel Alvarado Raymond Sacks Larry Kalish Raewyn Campbell Richard Harvey	CONCLUSION: Endoscopic approach is a safe and oncologically equitable treatment approach to external approaches in the management of epithelial sinonasal malignancy. As with external approaches, perineural invasion of malignance is a poor prognostic factor.	pmid:36069324 doi:10.1111/ans.18022	Wed, 07 Sep 2022 06:00:00 -0400
46	pubmed:36069328	*Lactobacillus kefiranofaciens* ZW18 from Kefir enhances the anti-tumor effect of anti-programmed cell death 1 (PD-1) immunotherapy by modulating the gut microbiota	Jingqi Zhao Yanping Wang Jingrui Wang Mengxin Lv Cong Zhou Longgang Jia Weitao Geng	Research on probiotics assisting PD-1 inhibitors in anti-tumor therapy has attracted widespread attention. Therefore, it is important to find new probiotic strains with a PD-1 inhibitor promoting effect. This study aims to find a strain with a good promoting effect on PD-1 inhibitor treatment from 5 probiotic strains with the function of modulating the gut microbiota or enhancing immunity. A preclinical study on the effect of probiotics combined with PD-1 inhibitors in murine melanoma was...	pmid:36069328 doi:10.1039/d2fo01747d	Wed, 07 Sep 2022 06:00:00 -0400
47	pubmed:36069330	Engineering of small molecular organic nanoparticles for mitochondria-targeted mild photothermal therapy of malignant breast cancers	Qinglian Hu Chao He Zhuoting Lu Ying He Hui Xie Jingyu Li Zhengwei Fu Bing Guo	Conventional photothermal therapy (PTT) often causes unwanted hyperthermia damage to the surrounding healthy tissues, and fails in the ablation of infiltrating and malignant tumors, which even leads to tumor recurrence. The main reasons for the suboptimal therapeutic efficacy of PTT include: (i) the heterogenous distribution of PTT agents in cancer cells, (ii) the limited penetration depth of irradiation light, and (iii) importantly, the difficulty in controlling the photothermal process which...	pmid:36069330 doi:10.1039/d2bm01239a	Wed, 07 Sep 2022 06:00:00 -0400
48	pubmed:36069342	Tumor-associated macrophages in liver cancer: From mechanisms to therapy	Kun Cheng Ning Cai Jinghan Zhu Xing Yang Huifang Liang Wanguang Zhang	Multidimensional analyses have demonstrated the presence of a unique tumor microenvironment (TME) in liver cancer. Tumor-associated macrophages (TAMs) are among the most abundant immune cells infiltrating the TME and are present at all stages of liver cancer progression, and targeting TAMs has become one of the most favored immunotherapy strategies. In addition, macrophages and liver cancer cells have distinct origins. At the early stage of liver cancer, macrophages can provide a niche for the...	pmid:36069342 doi:10.1002/cac2.12345	Wed, 07 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
49	pubmed:36069420	Single laser activated photothermal/photodynamic dual-modal cancer phototherapy by using ROS-responsive targeting flower-like ruthenium nanoparticles	Yanan Liu Junfang Huang Jie Liu	Phototherapy, which mainly includes photothermal therapy (PTT) and photodynamic therapy (PDT), is one of the most promising strategies for cancer therapeutics. Ruthenium as a metal nanomaterial shows great potential as a phototherapy agent. Herein, we developed flower-like ruthenium nanoparticles (FRuNPs) to enhance cancer phototherapy. Compared with spherical ruthenium nanoparticles (SRuNPs) of a similar size, FRuNPs exhibited more enhanced near-infrared (NIR) absorption. FRuNPs exhibited a...	pmid:36069420 doi:10.1039/d2tb01276f	Wed, 07 Sep 2022 06:00:00 -0400
50	pubmed:36069439	Next-Generation Cancer Magnetic Resonance Imaging With Tumor-Targeted Alkylphosphocholine Metal Analogs	Ray R Zhang Cynthia Choi Christina L Brunnquell Reinier Hernandez Anatoly N Pinchuk Joseph G Grudzinski Paul A Clark Alan B McMillan Anjon Audhya Justin Jeffrey John S Kuo Jamey P Weichert	CONCLUSIONS: We have introduced a new macrocyclic cancer-targeted Gd chelate that achieves broad-spectrum tumor uptake and prolonged retention. Furthermore, we have demonstrated in vivo stability of Gd-NM600 by ultrahigh resolution MS tissue imaging. A tumor-targeted contrast agent coupled with the enhanced imaging resolution of MRI relative to positron emission tomography may transform oncologic imaging.	pmid:36069439 doi:10.1097/RLI.0000000000000893	Wed, 07 Sep 2022 06:00:00 -0400
51	pubmed:36069520	Tumorigenicity Assessment of Human Cancer Cell Lines Xenografted on Immunodeficient Mice as Positive Controls of Tumorigenicity Testing	Seunghee Oh Eun-Young Gu Ji-Seok Han Byoung-Seok Lee Kyoung-Sik Moon Yong-Bum Kim Kang-Hyun Han	Recent advances in human pluripotent stem cell (hPSC)-derived cell therapies and genome editing technologies such as CRISPR/Cas9 make regenerative medicines promising for curing diseases previously thought to be incurable. However, the possibility of off-target effects during genome editing and the nature of hPSCs, which can differentiate into any cell type and infinitely proliferate, inevitably raises concerns about tumorigenicity. Tumorigenicity acts as a major obstacle to the application of...	pmid:36069520 doi:10.1177/10915818221124573	Wed, 07 Sep 2022 06:00:00 -0400
52	pubmed:36069557	Effective Rapid Diagnosis of Bacterial and Fungal Bloodstream Infections by T2 Magnetic Resonance Technology in the Pediatric Population	Barbara Lucignano Valeria Cento Marilena Agosta Federico Ambrogi Sami Albitar-Nehme Livia Mancinelli Giordana Mattana Manuela Onori Federica Galaverna Luca Di Chiara Tiziana Fragasso Roberto Bianchi Francesca Tortora Cinzia Auriti Andrea Dotta Corrado Cecchetti Salvatore Perdichizzi Massimiliano Raponi Andrea Onetti Muda Silvia Nerini Molteni Alberto Villani Franco Locatelli Carlo Federico Perno Paola Bernaschi	Children are prone to bloodstream infections (BSIs), the rapid and accurate diagnosis of which is an unmet clinical need. The T2MR technology is a direct molecular assay for identification of BSI pathogens, which can help to overcome the limits of blood culture (BC) such as diagnostic accuracy, blood volumes required, and turnaround time. We analyzed results obtained with the T2Bacteria (648) and T2Candida (106) panels in pediatric patients of the Bambino Gesù Children's Hospital between May...	pmid:36069557 doi:10.1128/jcm.00292-22	Wed, 07 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
53	pubmed:36069576	Emodin Combined with Multiple-Low-Frequency, Low-Intensity Ultrasound To Relieve Osteomyelitis through Sonoantimicrobial Chemotherapy	Feng Lu Xinhui Wu Huiqun Hu Zixuan He Jiacheng Sun Jiapeng Zhang Xiaoting Song Xiangang Jin Guofu Chen	Treatment of osteomyelitis is still challenging, as conventional antibiotic therapy is limited by the emergence of resistant strains and the formation of biofilms. Sonoantimicrobial chemotherapy (SACT) is a novel therapy of low-frequency and low-intensity ultrasound (LFLIU) combined with a sonosensitizer. Therefore, in our study, a sonosensitizer named emodin (EM) was proposed to be combined with LFLIU to relieve acute osteomyelitis caused by methicillin-resistant Staphylococcus aureus (MRSA)...	pmid:36069576 doi:10.1128/spectrum.00544-22	Wed, 07 Sep 2022 06:00:00 -0400
54	pubmed:36069675	The Forgotten Survivor: A comprehensive review on Non-Hodgkin Lymphoma Survivorship	Mohamad S Alabdaljabar Urshila Durani Carrie A Thompson Louis S Constine Shahrukh K Hashmi	The number of non-Hodgkin lymphoma (NHL) survivors is increasing. With the advancement of NHL therapies, it is crucial to focus on the challenges these survivors may face. Three main categories are to be considered in NHL survivorship, including quality of life and uncertainty about the future, possible physical health complications (including cardiovascular disease, infertility, and subsequent neoplasms), and the impact of novel NHL treatments and their potential complications. The latter...	pmid:36069675 doi:10.1002/ajh.26719	Wed, 07 Sep 2022 06:00:00 -0400
55	pubmed:36069695	Engineering Our Future: Advancing Cell and Gene Therapy in Neurosurgery	Bryan D Choi Bob S Carter	No abstract	pmid:36069695 doi:10.1227/NEU.0000000000001878	Wed, 07 Sep 2022 06:00:00 -0400
56	pubmed:36069708	Lipid Microcapsules Promoted Neural Stem Cell Survival in the Infarcted Area of Mice with Ischemic Stroke by Inducing Autophagy	Rui Xu Chunmei Duan Zhaoyou Meng Jian Zhao Qian He Qin Zhang Changxiong Gong Jiacheng Huang Qi Xie Qingwu Yang Yang Bai	Intracerebral transplantation of neural stem cells (NSCs) for ischemic stroke treatment has been demonstrated to be inefficient, with only	pmid:36069708 doi:10.1021/acsbiomaterials.2c00228	Wed, 07 Sep 2022 06:00:00 -0400
57	pubmed:36069766	Histidine decarboxylase inhibitors: a novel therapeutic option for the treatment of leydigioma	Adriana María Belén Abiuso María Luisa Varela Trinidad Raices Griselda Irusta Juan Manuel Lazzati Marcos Besio Moreno Alina Cavallotti Alicia Belgorosky Omar Pedro Pignataro Esperanza Berensztein Carolina Mondillo	Recent reports indicate an increase in Leydig cell tumor (LCT) incidence. Radical orchiectomy is the standard therapy in children and adults, although it entails physical and psychosocial side effects. Testis-sparing surgery can be a consideration for benign LCT of 2.5 cm or less in size. Malignant LCTs respond poorly to conventional chemotherapy, so new treatment modalities are needed. In this study, we observed increased histidine decarboxylase expression and pro-angiogenic potential in LCT...	pmid:36069766 doi:10.1530/JOE-21-0419	Wed, 07 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
58	pubmed:36069837	Safety of Human Embryonic Stem Cell-derived Mesenchymal Stem Cells for Treating Interstitial Cystitis: A Phase I Study	Jung Hyun Shin Chae-Min Ryu Hwan Yeul Yu Juhyun Park Ah Reum Kang Jeong Min Shin Ki-Sung Hong Eun Young Kim Hyung-Min Chung Dong-Myung Shin Myung-Soo Choo	There are still no definite treatment modalities for interstitial cystitis (IC). Meanwhile, stem cell therapy is rising as potential alternative for various chronic diseases. This study aimed to investigate the safety of the clinical-grade mesenchymal stem cells (MSCs) derived from human embryonic stem cells (hESCs), code name MR-MC-01 (SNU42-MMSCs), in IC patients. Three female IC patients with (1) symptom duration >6 months, (2) visual pain analog scale (VAS) 4, and (3) one or two Hunner...	pmid:36069837 doi:10.1093/stcltm/szac065	Wed, 07 Sep 2022 06:00:00 -0400
59	pubmed:36069923	GPX4 regulates cellular necrosis and host resistance in Mycobacterium tuberculosis infection	Eduardo P Amaral Taylor W Foreman Sivaranjani Namasivayam Kerry L Hilligan Keith D Kauffman Caio Cesar Barbosa Bomfim Diego L Costa Beatriz Barreto-Duarte Clarissa Gurgel-Rocha Monique Freire Santana Marcelo Cordeiro-Santos Elsa Du Bruyn Catherine Riou Kate Aberman Robert John Wilkinson Daniel L Barber Katrin D Mayer-Barber Bruno B Andrade Alan Sher	Cellular necrosis during Mycobacterium tuberculosis (Mtb) infection promotes both immunopathology and bacterial dissemination. Glutathione peroxidase-4 (Gpx4) is an enzyme that plays a critical role in preventing iron-dependent lipid peroxidation-mediated cell death (ferroptosis), a process previously implicated in the necrotic pathology seen in Mtb-infected mice. Here, we document altered GPX4 expression, glutathione levels, and lipid peroxidation in patients with active tuberculosis and assess...	pmid:36069923 doi:10.1084/jem.20220504	Wed, 07 Sep 2022 06:00:00 -0400
60	pubmed:36070228	Glioma stem cell signature predicts the prognosis and the response to tumor treating fields treatment	Bo Chen Xiaoxi Zhou Liting Yang Hongshu Zhou Ming Meng Hao Wu Zhixiong Liu Liyang Zhang Chuntao Li	CONCLUSION: Our study constructed a GSC signature consisting of 11 GSC-specific genes and identified its prognostic value in gliomas. TTF is a promising therapeutic approach for patients with GSC-enriched glioma.	pmid:36070228 doi:10.1111/cns.13956	Wed, 07 Sep 2022 06:00:00 -0400
61	pubmed:36070230	Amplification of RUNX1 in a Patient With AML	Rodrigo Hurtado Stalin Tello Juan Juarez Carlos A Tirado	Acute myeloid leukemia (AML) is a heterogeneous disease, characterized by clonal expansion of undifferentiated myeloid precursors, leading to alterations in hematopoiesis and bone marrow failure. Characteristic chromosomal abnormalities in AML are translocations t(8;21), inv(16), t(15;17), t(9;22), as well as mutations of genes that regulate proliferation and survival (FLT 3, PTPN 11, ETV 6/PDGFB), or genes responsible for differentiation and apoptosis (RUNX-1/RUNX1T1, PML/RARA, KMT2A, CEBPA and...	pmid:36070230	Wed, 07 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
62	pubmed:36070347	Phytocannabinoids regulate inflammation in IL-1-stimulated human gingival fibroblasts	Ammaar H Abidi Vrushali Abhyankar Sahar S Alghamdi David A Tipton Mustafa Dabbous	CONCLUSION: The effective inhibition of IL-1-stimulated production of PGE2 and cytokines by the pCB in HGFs suggests that targeting the endocannabinoid system may lead to the development of therapeutic strategies for periodontal therapy. However, each pCB has its unique anti-inflammatory profile, in which certain pro-inflammatory activities are also exhibited. The pCBs alone or in combination may benefit and aid in improving public oral health.	pmid:36070347 doi:10.1111/jre.13050	Wed, 07 Sep 2022 06:00:00 -0400
63	pubmed:36070368	Pharmacogenomic landscape of head and neck squamous cell carcinoma informs precision oncology therapy	Ziyue Gu Yanli Yao Guizhu Yang Guopei Zhu Zhen Tian Rui Wang Qi Wu Yujue Wang Yaping Wu Lan Chen Chong Wang Jiamin Gao Xindan Kang Jie Zhang Lizhen Wang Shengzhong Duan Zhongming Zhao Zhiyuan Zhang Shuyang Sun	Head and neck squamous cell carcinoma (HNSCC) is a common and frequently lethal cancer with few therapeutic options. In particular, there are few effective targeted therapies. Development of highly effective therapeutic strategies tailored to patients with HNSCC remains a pressing challenge. To address this, we present a pharmacogenomic study to facilitate precision treatments for patients with HNSCC. We established a large collection of 56 HNSCC patient-derived cells (PDCs), which recapitulated...	pmid:36070368 doi:10.1126/scitranslmed.abo5987	Wed, 07 Sep 2022 06:00:00 -0400
64	pubmed:36070373	MAIA, Fc receptor-like 3, supersedes JUNO as IZUMO1 receptor during human fertilization	Jana Vondrakova Michaela Frolikova Lukas Ded Jiri Cerny Pavla Postlerova Veronika Palenikova Ondrej Simonik Zuzana Nahacka Krystof Basus Eliska Valaskova Radek Machan Allan Pacey Zuzana Holubcova Pavel Koubek Zuzana Ezrova Soojin Park Ruiwu Liu Raghavendran Partha Nathan Clark Jiri Neuzil Masahito Ikawa Kent Erickson Kit S Lam Harry Moore Katerina Komrskova	Gamete fusion is a critical event of mammalian fertilization. A random one-bead one-compound combinatorial peptide library represented synthetic human egg mimics and identified a previously unidentified ligand as Fc receptor-like 3, named MAIA after the mythological goddess intertwined with JUNO. This immunoglobulin super family receptor was expressed on human oolemma and played a major role during sperm-egg adhesion and fusion. MAIA forms a highly stable interaction with the known IZUMO1/JUNO...	pmid:36070373 doi:10.1126/sciadv.abn0047	Wed, 07 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
65	pubmed:36070419	Human Cell-Camouflaged Nanomagnetic Scavengers Restore Immune Homeostasis in a Rodent Model with Bacteremia	Sung Jin Park Seyong Kwon Min Seok Lee Bong Hwan Jang Axel E Guzmán-Cedillo Joo H Kang	Bloodstream infection caused by antimicrobial resistance pathogens is a global concern because it is difficult to treat with conventional therapy. Here, scavenger magnetic nanoparticles enveloped by nanovesicles derived from blood cells (MNVs) are reported, which magnetically eradicate an extreme range of pathogens in an extracorporeal circuit. It is quantitatively revealed that glycophorin A and complement receptor (CR) 1 on red blood cell (RBC)-MNVs predominantly capture human fecal bacteria,...	pmid:36070419 doi:10.1002/smll.202203746	Wed, 07 Sep 2022 06:00:00 -0400
66	pubmed:36070433	Effect of Maitake D-fraction in advanced laryngeal and pharyngeal cancers during concurrent chemoradiotherapy: A randomized clinical trial	Qinglei Hu Binli Xie	CONCLUSION: In conclusion, this randomized clinical trial demonstrated that in advanced laryngeal and pharyngeal cancer patients, the oral administration of Maitake D-Fraction alleviated CCRT-related adverse events and deterioration in QOL.	pmid:36070433 doi:10.18388/abp.2020_5996	Wed, 07 Sep 2022 06:00:00 -0400
67	pubmed:36070437	Advances in Antioxidant Nanomedicines for Imaging and Therapy of Alzheimer's Disease	Ikram Hasan Bing Guo Jian Zhang Chunqi Chang	SIGNIFICANCE: Reactive oxygen species (ROS) are crucial signaling molecules in the regulation of numerous physiological activities including the formation and function of the central nervous system (CNS). So far, many functional antioxidant nanomedicines with ROS scavenging capability to reduce oxidative stress in AD have been developed for both imaging and therapy of AD.	pmid:36070437 doi:10.1089/ars.2022.0107	Wed, 07 Sep 2022 06:00:00 -0400
68	pubmed:36070453	The Advanced Therapies Treatment Centres and their Network: a Model for the Accelerated Adoption of Advanced Therapies	Michael Whitaker	Emerging advanced therapies that include cell and gene therapies and tissue-engineered products offer substantial therapeutic benefits. They also present challenges for health services in their modes of delivery to patients. Funding was made available in the UK to establish three Advanced Therapies Treatment Centres (ATTCs) and a network to coordinate their activities, supported by the Cell and Gene Therapy Catapult (CGTC). The aim of this initiative was to grow the advanced therapies sector in...	pmid:36070453 doi:10.1089/hum.2022.150	Wed, 07 Sep 2022 06:00:00 -0400
69	pubmed:36070492	Low frequency nanobubble-enhanced ultrasound mechanotherapy for noninvasive cancer surgery	Mike Bismuth Sharon Katz Tamar Mano Ramona Aronovich Dov Hershkovitz Agata A Exner Tali Ilovitsh	Scaling down the size of microbubble contrast agents to the nanometer level holds the promise for noninvasive cancer therapy. However, the small size of nanobubbles limits the obtained bioeffects as a result of ultrasound cavitation, when operating near the nanobubble resonance frequency. Here we show that coupled with low energy insonation at a frequency of 80 kHz, well below the resonance frequency of these agents, nanobubbles serve as noninvasive therapeutic warheads that trigger potent...	pmid:36070492 doi:10.1039/d2nr01367c	Wed, 07 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
70	pubmed:36070516	A Self-Assembly ICG Nanoparticle Potentiating Targeted Photothermal and Photodynamic Therapy in NSCLC	Xiaoyi Hu Jiwei Li Yulun Chen Qiuyue Long Yangyuyan Bai Ran Li Keqiang Wang Mingzheng Jiang Chaoyang Chen Jingsong Mao Yali Zheng Zhancheng Gao	In nonsmall cell lung cancers (NSCLC), near-infrared (NIR) fluorescence imaging using indocyanine green (ICG) has proven to be an efficient approach for locating pulmonary nodules and pulmonary sentinel lymph nodes. However, due to a lack of tumor selectivity, ICG's use as a photosensitizer for photothermal therapy (PTT) and photodynamic therapy (PDT) is restricted. In the current study, we aimed to develop a type of high-performance NIR nanoparticle formulated with ICG to enhance its targeted...	pmid:36070516 doi:10.1021/acsbiomaterials.2c00620	Wed, 07 Sep 2022 06:00:00 -0400
71	pubmed:36070539	Safety, Immunogenicity, and 1-Year Efficacy of Universal Cancer Peptide-Based Vaccine in Patients With Refractory Advanced Non-Small-Cell Lung Cancer: A Phase Ib/Phase IIa De-Escalation Study	Olivier Adotévi Dewi Vernerey Pascale Jacoulet Aurélia Meurisse Caroline Laheurte Hamadi Almotlak Marion Jacquin Vincent Kaulek Laura Boullerot Marine Malfroy Emeline Orillard Guillaume Eberst Aurélie Lagrange Laure Favier Marie Gainet-Brun Ludovic Doucet Luis Teixeira Zineb Ghrieb Anne-Laure Clairet Yves Guillaume Marie Kroemer Didier Hocquet Mélanie Moltenis Samuel Limat Elisabeth Quoix Céline Mascaux Didier Debieuvre Christine Fagnoni-Legat Christophe Borg Virginie Westeel	CONCLUSION: UCPVax was highly immunogenic and safe and provide interesting 1-year OS rate in heavily pretreated advanced NSCLC.	pmid:36070539 doi:10.1200/JCO.22.00096	Wed, 07 Sep 2022 06:00:00 -0400
72	pubmed:36070587	Ruxolitinib bridging therapy to allogeneic SCT for high-risk refractory subcutaneous panniculitis-like T-cell lymphoma	Leisa R Watson Thomas E Lew Lucy C Fox Amit Khot Carrie van der Weyden	No abstract	pmid:36070587 doi:10.1080/10428194.2022.2118537	Wed, 07 Sep 2022 06:00:00 -0400
73	pubmed:36070614	LincRNA RMRP regulates phenylephrine-induced cardiomyocyte hypertrophy via targeting miR-1	Jing Chen Jia Li Xuyan Wang Zhu Zeng Huifang Zhang Zongyi Zou Nina Huang Xiaohua Sun	Cardiac hypertrophy is a feature of hypertrophic cardiomyopathy (HCM) which could lead to heart failure and other cardiovascular diseases. Cardiomyocyte hypertrophy (CH) is the primary characteristic of cardiac hypertrophy. Long non-coding RNA (lncRNA, lincRNA) plays an important role in CH. In this study, the expression of linc-RMRP and its correlation with cardiac hypertrophy were analyzed in cardiac tissues of HCM patients. RT-qPCR and western blotting measured the expressions of lincf-RMRP,...	pmid:36070614 doi:10.1097/FJC.0000000000001366	Wed, 07 Sep 2022 06:00:00 -0400