

cell therapy

NCT Number		Title	Authors	Description	Identifier	Dates
1	pubmed:36108370	Organoselenium compounds as functionalizing agents for gold nanoparticles in cancer therapy	Sara Lorenzoni Sara Cerra Eduardo Angulo-Elizari Tommaso A Salamone Chiara Battocchio Martina Marsotto Francesca A Scaramuzzo Carmen Sanmartín Daniel Plano Ilaria Fratoddi	Gold nanoparticles (AuNPs) modified with four organoselenium compounds, i.e., 4-selenocyanatoaniline (compound 1), 4,4'-diselanediyldianiline (compound 2), N-(4-selenocyanatophenyl)cinnamamide (compound 3), and N-(3-selenocyanatopropyl)cinnamamide (compound 4), were synthesized following two different approaches: direct conjugation and non-covalent immobilization onto hydrophilic and non-cytotoxic AuNPs functionalized with 3-mercapto-1-propanesulfonate (3MPS). Both free compounds and AuNPs-based...	pmid:36108370 doi:10.1016/j.colsurfb.2022.112828	Thu, 15 Sep 2022 06:00:00 -0400
2	pubmed:36108391	All-trans retinoic acid enhances the anti-tumour effects of fimaporfin-based photodynamic therapy	Judith Jing Wen Wong Susanne Lorenz Pål Kristian Selbo	The vitamin A metabolite all-trans retinoic acid (ATRA; tretinoin) has anticancer potential. However, lack of clinical success has prevented its approval for solid tumours. Herein, we propose combining short-term low-dose ATRA with fimaporfin-based photodynamic therapy (ATRA+PDT) for the improved treatment of solid cancers. Compared to monotherapies, ATRA+PDT induced synergistic cytotoxic responses including promotion of apoptosis in colon and breast carcinoma cell lines. Neither enhanced...	pmid:36108391 doi:10.1016/j.biopha.2022.113678	Thu, 15 Sep 2022 06:00:00 -0400
3	pubmed:36108503	Refining patient selection of MET-activated non-small cell lung cancer through biomarker precision	Gillianne G Y Lai Robin Guo Alexander Drilon Daniel Shao Weng Tan	Dysregulated MET signaling plays an important role in lung oncogenesis, tumor growth and invasiveness. It may occur through various mechanisms, such as MET overexpression or gene amplification or mutation, all of which can be detected by specific methods. The utility of MET overexpression as a biomarker remains unclear due to discrepancies in its occurrence and non-standardized cut-off thresholds. MET exon 14 skipping mutation (METex14) was established as a strong predictor of response to...	pmid:36108503 doi:10.1016/j.ctrv.2022.102444	Thu, 15 Sep 2022 06:00:00 -0400
4	pubmed:36108559	The value of disease-free survival (DFS) and osimertinib in adjuvant non-small-cell lung cancer (NSCLC): an international Delphi consensus report	M C Hardenberg B Patel C Matthews R Califano R Garcia Campelo C Grohe M H Hong G Liu S Lu F de Marinis M Pérol R A Soo B M Stiles M Tiseo M Tsuboi	CONCLUSIONS: Addressing the need for measures that reflect clinical benefit is essential to continue improving outcomes for NSCLC patients. To that end, this work provides a qualitative framework for clinicians to consider the clinical and patient relevance of DFS in adjuvant NSCLC and the benefit demonstrated in ADAURA thus far.	pmid:36108559 doi:10.1016/j.esmoop.2022.100572	Thu, 15 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
5	pubmed:36108560	Two phase I studies of BI 836880, a vascular endothelial growth factor/angiopoietin-2 inhibitor, administered once every 3 weeks or once weekly in patients with advanced solid tumors	C Le Tourneau H Becker R Claus E Elez F Ricci R Fritsch Y Silber A Hennequin J Tabernero G Jayadeva D Luedtke M He N Isambert	CONCLUSIONS: The MTD of BI 836880 was 720 mg Q3W and 180 mg QW. BI 836880 was generally manageable and demonstrated preliminary efficacy.	pmid:36108560 doi:10.1016/j.esmoop.2022.100576	Thu, 15 Sep 2022 06:00:00 -0400
6	pubmed:36108571	Transcription factor NFE2L3 promotes the proliferation of esophageal squamous cell carcinoma cells and causes radiotherapy resistance by regulating IL-6	Tingting Chen Bing Xu Hui Chen Yuanyuan Sun Jiahang Song Xinchen Sun Xizhi Zhang Wei Hua	CONCLUSION: NFE2L3 can affect the radiosensitivity of ESCC cells through IL-6 transcription and IL-6/STAT3 signaling pathway. This makes NFE2L3 a putative target to regulate ESCC cell radiosensitivity.	pmid:36108571 doi:10.1016/j.cmpb.2022.107102	Thu, 15 Sep 2022 06:00:00 -0400
7	pubmed:36108580	Cinnamaldehyde-based poly(thioacetal): A ROS-awakened self-amplifying degradable polymer for enhanced cancer immunotherapy	Yalan Tu Xuan Xiao Yansong Dong Jisi Li Ye Liu Qingyu Zong Youyong Yuan	Although stimuli-responsive polymers have emerged as promising strategies for intelligent cancer therapy, limited polymer degradation and insufficient drug release remain a challenge. Here, we report a novel reactive oxygen species (ROS)-awakened self-amplifying degradable cinnamaldehyde (CA)-based poly(thioacetal) polymer. The polymer consists of ROS responsive thioacetal (TA) group and CA as the ROS generation agent. The self-amplified polymer degradation process is triggered by endogenous...	pmid:36108580 doi:10.1016/j.biomaterials.2022.121795	Thu, 15 Sep 2022 06:00:00 -0400
8	pubmed:36108581	Engineering mitochondrial uncoupler synergistic photodynamic nanoplatfrom to harness immunostimulatory pro-death autophagy/mitophagy	Quanwei Sun Jinming Yang Wei Shen Huiyu Lu Xiaohui Hou Yang Liu Yujing Xu Qinghua Wu Zihua Xuan Ye Yang Dengke Yin	Generally, autophagy/mitophagy, as a highly conserved lysosomal-based catabolic pathway, compromises the photodynamic therapy (PDT) efficiency by increasing the adaptation of tumor cells toward reactive oxygen species (ROS)-triggered protein damages and mitochondrial destruction. On the other hand, excessively activated autophagy/mitophagy cascades can provoke autophagic cell death and promote the endogenous antigens release of dying cells, thus playing a vital role in initiating the antitumor...	pmid:36108581 doi:10.1016/j.biomaterials.2022.121796	Thu, 15 Sep 2022 06:00:00 -0400
9	pubmed:36108594	Concomitant Immunosuppressive Therapy and Eculizumab Use in Patients with Paroxysmal Nocturnal Hemoglobinuria (PNH): An International PNH Registry Analysis	Anita Hill Régis Peffault de Latour Austin G Kulasekararaj Morag Griffin Robert A Brodsky Jaroslaw P Maciejewski Jing L- Marantz Philippe Gustovic Hubert Schrezenmeier	INTRODUCTION: Complement C5 inhibitor eculizumab is the first approved treatment for paroxysmal nocturnal hemoglobinuria (PNH), a rare hematologic disorder caused by uncontrolled terminal complement activation. Approximately 50% of patients with aplastic anemia (AA) have PNH cells. Limited data are available for patients with AA-PNH taking concomitant immunosuppressive therapy (IST) and eculizumab.	pmid:36108594 doi:10.1159/000526979	Thu, 15 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
10	pubmed:36108605	Biofabrication of 3D Breast cancer models for dissecting the cytotoxic response of human T cells expressing engineered MAIT cell receptors	Madhuri Dey Myoung Hwan Kim Momoka T Nagamine Ece Karhan Lina Kozhaya Mikail Dogan Derya Unutmaz Ibrahim T Ozbolat	Immunotherapy has revolutionized cancer treatment with the advent of advanced cell engineering techniques aimed at targeted therapy with reduced systemic toxicity. However, understanding the underlying immune-cancer interactions require development of advanced three-dimensional (3D) models of human tissues. In this study, we fabricated 3D tumor models with increasing complexity to study the cytotoxic responses of CD8+ T cells, genetically engineered to express mucosal-associated invariant T...	pmid:36108605 doi:10.1088/1758-5090/ac925a	Thu, 15 Sep 2022 06:00:00 -0400
11	pubmed:36108657	Combined nivolumab and ipilimumab with or without stereotactic body radiation therapy for advanced Merkel cell carcinoma: a randomised, open label, phase 2 trial	Sungjune Kim Evan Wuthrick Dukagjin Blakaj Zeynep Eroglu Claire Verschraegen Ram Thapa Matthew Mills Khaled Dibs Casey Liveringhouse Jeffery Russell Jimmy J Caudell Ahmad Tarhini Joseph Markowitz Kari Kendra Richard Wu Dung-Tsa Chen Anders Berglund Lauren Michael Mia Aoki Min-Hsuan Wang Imene Hamaidi Pingyan Cheng Janis de la Iglesia Robbert J Slebos Christine H Chung Todd C Knepper Carlos M Moran-Segura Jonathan V Nguyen Bradford A Perez Trevor Rose Louis Harrison Jane L Messina Vernon K Sondak Kenneth Y Tsai Nikhil I Khushalani Andrew S Brohl	BACKGROUND: Merkel cell carcinoma is among the most aggressive and lethal of primary skin cancers, with a high rate of distant metastasis. Anti-programmed death receptor 1 (anti-PD-1) and programmed death ligand 1 (PD-L1) monotherapy is currently standard of care for unresectable, recurrent, or metastatic Merkel cell carcinoma. We assessed treatment with combined nivolumab plus ipilimumab, with or without stereotactic body radiotherapy (SBRT) in patients with advanced Merkel cell carcinoma as a...	pmid:36108657 doi:10.1016/S0140-6736(22)01659-2	Thu, 15 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
12	pubmed:36108662	Pembrolizumab versus placebo as adjuvant therapy for completely resected stage IB-IIIa non-small-cell lung cancer (PEARLS/KEYNOTE-091): an interim analysis of a randomised, triple-blind, phase 3 trial	Mary O'Brien Luis Paz-Ares Sandrine Marreaud Urania Dafni Kersti Oselin Libor Havel Emilio Esteban Dolores Isla Alex Martinez-Marti Martin Faehling Masahiro Tsuboi Jong-Seok Lee Kazuhiko Nakagawa Jing Yang Ayman Samkari Steven M Keller Murielle Mauer Nitish Jha Rolf Stahel Benjamin Besse Solange Peters EORTC-1416-LCG/ETOP 8-15 – PEARLS/KEYNOTE-091 Investigators	BACKGROUND: Pembrolizumab is a standard-of-care for advanced non-small-cell lung cancer (NSCLC). We assessed pembrolizumab as adjuvant therapy for completely resected stage IB-IIIa NSCLC.	pmid:36108662 doi:10.1016/S1470-2045(22)00518-6	Thu, 15 Sep 2022 06:00:00 -0400
13	pubmed:36108710	Molecular markers of response to anti-PD1 therapy in advanced hepatocellular carcinoma	Philipp K Haber Florian Castet Miguel Torres-Martin Carmen Andreu-Oller Marc Puigvehí Miho Maeda Pompilia Radu Jean-Francois Dufour Chris Verslype Carolin Czauderna Jens U Marquardt Peter R Galle Arndt Vogel Melanie Bathon Tim Meyer Ismail Labgaa Antonia Digklia Lewis R Roberts Mohamed A Mohamed Ali Beatriz Mínguez Davide Citterio Vincenzo Mazzaferro Fabian Finkelmeier Jörg Trojan Burcin Özdirik Tobias Müller Moritz Schmelzle Anthony Bejjani Max W Sung Myron E Schwartz Richard S Finn Swan Thung Augusto Villanueva Daniela Sia Josep M Llovet	CONCLUSION: IFN-signaling and MHCII-related genes are key molecular features of HCCs responding to anti-PD1. A novel 11-gene signature predicts response in frontline aHCC - but not in patients pre-treated with TKIs. These results have to be confirmed in prospective studies and highlight the need for biopsies prior immunotherapy to identify biomarkers of response.	pmid:36108710 doi:10.1053/j.gastro.2022.09.005	Thu, 15 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
14	pubmed:36108742	The SET-domain protein CgSet4 negatively regulates antifungal drug resistance via the ergosterol biosynthesis transcriptional regulator CgUpc2a	Priyanka Bhakt Mayur Raney Rupinder Kaur	Invasive fungal infections, that pose a serious threat to human health, are increasingly associated with high a mortality rate and elevated healthcare costs, owing to rising resistance to current antifungals and emergence of multidrug-resistant fungal species. Candida glabrata is the second to fourth common cause of Candida bloodstream infections. Its high propensity to acquire resistance towards two mainstream drugs, azoles (inhibit ergosterol biosynthesis) and echinocandins (target cell wall),...	pmid:36108742 doi:10.1016/j.jbc.2022.102485	Thu, 15 Sep 2022 06:00:00 -0400
15	pubmed:36108787	Molecular insight into the study of adult T-cell leukemia/lymphoma (ATLL): Ten-year studies on HTLV-1 associated diseases in an endemic region	Fereshteh Ashrafi Masooma Rahimzada Mahsa Parandi Ali Mirhosseini Baratali Mashkani Sanaz Ahmadi Ghezeldasht Ararsh Soltani Houshang Rafatpanah Arman Mosavat Seyed Abdolrahim Rezaee	The outcome of successful infection, including human T-cell leukemia virus type 1 (HTLV-1), is determined by the interactions between the host and the infectious agent. Ten years of work on HTLV-1-associated diseases in an endemic region of Iran have been critically compared in the present study. The outstanding findings of RNA-seq, system biology analysis, and gene expression measurements on adult T-cell leukemia/lymphoma (ATLL) and enzootic bovine leukosis(EBL) in our lab encouraged us to...	pmid:36108787 doi:10.1016/j.gene.2022.146885	Thu, 15 Sep 2022 06:00:00 -0400
16	pubmed:36108797	A simulation of parental and glycolytic tumor phenotype competition predicts observed responses to pH changes and increased glycolysis after anti-VEGF therapy	Frederika Rentzeperis Naomi Miller Arig Ibrahim-Hashim Robert J Gillies Robert A Gatenby Dorothy Wallace	Clinical cancers are typically spatially and temporally heterogeneous, containing multiple microenvironmental habitats and diverse phenotypes and/or genotypes, which can interact through resource competition and direct or indirect interference. A common intratumoral evolutionary pathway, probably initiated as adaptation to hypoxia, leads to the "Warburg phenotype" which maintains high glycolytic rates and acid production, even in normoxic conditions. Since individual cancer cells are the unit of...	pmid:36108797 doi:10.1016/j.mbs.2022.108909	Thu, 15 Sep 2022 06:00:00 -0400
17	pubmed:36108810	Liposomal oxaliplatin prodrugs loaded with metformin potentiate immunotherapy for colorectal cancer	Li Song Yu Hao Chunjie Wang Yikai Han Yujie Zhu Liangzhu Feng Liyang Miao Zhuang Liu	Tumor hypoxia is confirmed to be associated with the formation of tumor immunosuppression, a general feature of solid tumors, and thus attenuates the effectiveness of various cancer therapies in clinic. We herein develop a tumor microenvironment (TME) modulating liposomal nanomedicine by encapsulating metformin with amphiphilic oxaliplatin prodrug constructed liposomes to potentiate cancer immunotherapy. While metformin could regulate metabolisms of tumor cells to reduce their oxygen consumption...	pmid:36108810 doi:10.1016/j.jconrel.2022.09.013	Thu, 15 Sep 2022 06:00:00 -0400
18	pubmed:36108811	Lipopeptide liposomes-loaded hydrogel for multistage transdermal chemotherapy of melanoma	Yifei Ni Wanzhu Zhao Wenjing Cheng Chengyu Deng Zhuoyang Ying Lei Li Xulei Wang Chunmeng Sun Jiasheng Tu Lei Jiang	Transdermal administration of chemotherapeutics into tumor tissues may be an effective treatment to reduce toxic side effects and improve patient compliance for melanoma. Herein, we report a multistage transdermal drug delivery system for chemotherapy of melanoma. In this system, dendritic lipopeptide (DLP) modified multistage targeted liposomes (Mtlip) were incorporated into the hydrogel matrix to achieve localized and sustained drug release; Ultra-deformability of Mtlip can pass through dense...	pmid:36108811 doi:10.1016/j.jconrel.2022.09.014	Thu, 15 Sep 2022 06:00:00 -0400

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19	pubmed:36108949	How do I/we forecast tomorrow's transfusion? A focus on recipients' profiles	Suma Choorapoikayil Lotta Hof Oliver Old Andrea Steinbicker Patrick Meybohm Kai Zacharowski	Red blood cell (RBC) transfusion is a life-saving medical intervention and has an essential role in the management of surgical patients. However, blood donations and supply levels are decreasing, therefore there is an unmet need for the accurate prediction of the transfusion probability for surgical patients. Multiple methods have been established to predict the need for RBC transfusion. Maximum surgical blood order schedules are widely used in the clinical setting. However, these lists are not...	pmid:36108949 doi:10.1016/j.tracl.2022.09.063	Thu, 15 Sep 2022 06:00:00 -0400
20	pubmed:36108961	Significance of HOXD transcription factors family in progression, migration and angiogenesis of cancer	Lumin Wang Qiao Chenyang Li Cao Shuang Cai Ma Xiaoping Xinqiu Song Jiang Qiuyu Chen Huang Jinhai Wang	The transcription factors (TFs) of the HOX family play significant roles during early embryonic development and cellular processes. They also play a key role in tumorigenesis as tumor oncogenes or suppressors. Furthermore, TFs of the HOXD gene cluster affect proliferation, migration, and invasion of tumors. Consequently, dysregulated activity of HOXD TFs has been linked to clinicopathological characteristics of cancer. HOXD TFs are regulated by non-coding RNAs and methylation of DNA on promoter...	pmid:36108961 doi:10.1016/j.critrevonc.2022.103809	Thu, 15 Sep 2022 06:00:00 -0400
21	pubmed:36108978	Alpha-cells and therapy of diabetes: inhibition, antagonism or death?	Natalie Klempel Keith Thomas J Michael Conlon Peter R Flatt Nigel Irwin	Absolute or relative hyperglucagonaemia is a characteristic of both Type 1 and Type 2 diabetes, resulting in fasting hyperglycaemia due in part to increased hepatic glucose production and lack of postprandial suppression of circulating glucagon concentrations. Consequently, therapeutics that target glucagon secretion or biological action may be effective antidiabetic agents. In this regard, specific glucagon receptor (GCGR) antagonists have been developed that exhibit impressive glucose-lowering...	pmid:36108978 doi:10.1016/j.peptides.2022.170877	Thu, 15 Sep 2022 06:00:00 -0400
22	pubmed:36109003	Photodynamic therapy for treating infected skin wounds: A systematic review and meta-analysis from randomized clinical trials	Analú Barros de Oliveira Túlio Morandin Ferrisse Carla Raquel Fontana Fernanda Gonçalves Basso Fernanda Lourenção Brighenti	CONCLUSION: PDT can be an excellent alternative treatment for infected skin wounds.	pmid:36109003 doi:10.1016/j.pdpdt.2022.103118	Thu, 15 Sep 2022 06:00:00 -0400
23	pubmed:36109085	Response of primary tumor and lymph node in non-small cell lung cancer after neoadjuvant immunotherapy: a pooled analysis	Wen-Yu Zhai Ze-Rui Zhao Si Chen Hui Yu Yao-Bin Lin Yi-Zhi Wang Hao Long	The good pathological response of primary tumors (PTs) to neoadjuvant immunotherapy has been acknowledged in non-small cell lung cancer (NSCLC), however, it remains unclear whether neoadjuvant immunotherapy shows consistent effects in metastatic lymph nodes (LNs). We compared the pathological response of PT and nodal downstaging using a pooled analysis to assess the effect of neoadjuvant immunotherapy on LNs. Original articles reporting the tumor major pathological response (ypT(MPR)),...	pmid:36109085 doi:10.1136/jitc-2022-005160	Thu, 15 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
24	pubmed:36109087	Bronchial smooth muscle cell in asthma: where does it fit?	Dorian Hassoun Lindsay Rose François-Xavier Blanc Antoine Magnan Gervaise Loirand Vincent Sauzeau	Asthma is a frequent respiratory condition whose pathophysiology relies on altered interactions between bronchial epithelium, smooth muscle cells (SMC) and immune responses. Those leads to classical hallmarks of asthma: airway hyper-responsiveness, bronchial remodelling and chronic inflammation. Airway smooth muscle biology and pathophysiological implication in asthma are now better understood. Precise deciphering of intracellular signalling pathways regulating smooth muscle contraction...	pmid:36109087 doi:10.1136/bmjresp-2022-001351	Thu, 15 Sep 2022 06:00:00 -0400
25	pubmed:36109099	Tuning Mesoporous Silica Nanoparticles in Novel Avenues of Cancer Therapy	Saurabh Shah Paras Famta Deepkumar Bagasariya Kondasingh Charankumar Anupama Sikder Rama Kashikar Arun K Kotha Mahavir Bhupal Chougule Dharmendra Kumar Khatri Amit Asthana Rajeev Singh Raghuvanshi Shashi Bala Singh Saurabh Srivastava	The global menace of cancer has led to an increased death toll in recent years. The constant evolution of cancer therapeutics with novel delivery systems has paved the way for translation of innovative therapeutics from bench to bedside. This review explains the significance of mesoporous silica nanoparticles (MSNs) as delivery vehicles with particular emphasis on cancer therapy, including novel opportunities for biomimetic therapeutics and vaccine delivery. Parameters governing MSN synthesis,...	pmid:36109099 doi:10.1021/acs.molpharmaceut.2c00374	Thu, 15 Sep 2022 06:00:00 -0400
26	pubmed:36109320	Environmental oxygen affects ex vivo growth and proliferation of mesenchymal progenitors by modulating mitogen-activated protein kinase and mammalian target of rapamycin signaling	Maria da Graça Cabreira Xiaohong Wang Andre Critsinelis Mekedlawit Setegne Parisa Lotfi Ying-Wooi Wan Gabriela Barrios Zhuyong Mei Adrian P Gee Louis Maximilian Buja Emerson Perin	CONCLUSIONS: Based on the potential benefits for the growth and metabolism of MSCs, the authors propose the use of 5% O(2) for MSC culture.	pmid:36109320 doi:10.1016/j.jcyt.2022.06.005	Thu, 15 Sep 2022 06:00:00 -0400
27	pubmed:36109321	A risk-based approach for cell line development, manufacturing and characterization of genetically engineered, induced pluripotent stem cell-derived allogeneic cell therapies	Jennifer L Dashnau Qiong Xue Monica Nelson Eric Law Lan Cao Derek Hei	Advances in cellular reprogramming and gene-editing approaches have opened up the potential for a new class of ex vivo cell therapies based on genetically engineered, induced pluripotent stem cell (iPSC)-derived allogeneic cells. While these new therapies share some similarities with their primary cell-derived autologous and allogeneic cell therapy predecessors, key differences exist in the processes used for generating genetically engineered, iPSC-derived allogeneic therapies. Specifically, in...	pmid:36109321 doi:10.1016/j.jcyt.2022.08.001	Thu, 15 Sep 2022 06:00:00 -0400

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28	pubmed:36109401	The impact of stereotactic ablative radiotherapy on oligoprogressive metastases from renal cell carcinoma	Ciro Franzese Beatrice Marini Davide Baldaccini Marco Badalamenti Pierina Navarria Luisa Bellu Davide Franceschini Tiziana Comito Elena Clerici Maria Ausilia Teriaca Maria Massaro Luciana Di Cristina Lorenzo Lo Faro Stefano Tomatis Marta Scorsetti	CONCLUSIONS: we confirmed the efficacy and safety of SABR for oligoprogression from RCC, with the potential to ablate resistant metastases and to prolong the ongoing systemic therapy.	pmid:36109401 doi:10.1007/s00432-022-04352-z	Thu, 15 Sep 2022 06:00:00 -0400
29	pubmed:36109442	Sustained inhibition of CC-chemokine receptor-2 via intraarticular deposition of polymeric microplates in post-traumatic osteoarthritis	Huseyin Ozkan Martina Di Francesco Helen Willcockson José Valdés-Fernández Valentina Di Francesco Froilán Granero-Moltó Felipe Prósper Paolo Decuzzi Lara Longobardi	Posttraumatic osteoarthritis (PTOA) is mostly treated via corticosteroid administration, and total joint arthroplasty continues to be the sole effective intervention in severe conditions. To assess the therapeutic potential of CCR2 targeting in PTOA, we used biodegradable microplates (μPLs) to achieve a slow and sustained intraarticular release of the CCR2 inhibitor RS504393 into injured knees and followed joint damage during disease progression. RS504393-loaded μPLs (RS-μPLs) were fabricated...	pmid:36109442 doi:10.1007/s13346-022-01235-1	Thu, 15 Sep 2022 06:00:00 -0400
30	pubmed:36109452	Expression of a Secretable, Cell-Penetrating CDKL5 Protein Enhances the Efficacy of Gene Therapy for CDKL5 Deficiency Disorder	Giorgio Medici Marianna Tassinari Giuseppe Galvani Stefano Bastianini Laura Gennaccaro Manuela Loi Nicola Mottolese Sara Alvente Chiara Berteotti Giulia Sagona Leonardo Lupori Giulia Candini Helen Rappe Baggett Giovanna Zoccoli Maurizio Giustetto Alysson Muotri Tommaso Pizzorusso Hiroyuki Nakai Stefania Trazzi Elisabetta Ciani	Although delivery of a wild-type copy of the mutated gene to cells represents the most effective approach for a monogenic disease, proof-of-concept studies highlight significant efficacy caveats for treatment of brain disorders. Herein, we develop a cross-correction-based strategy to enhance the efficiency of a gene therapy for CDKL5 deficiency disorder, a severe neurodevelopmental disorder caused by CDKL5 gene mutations. We created a gene therapy vector that produces an Igk-TATk-CDKL5 fusion...	pmid:36109452 doi:10.1007/s13311-022-01295-8	Thu, 15 Sep 2022 06:00:00 -0400
31	pubmed:36109471	The new progress in cancer immunotherapy	Ajmeri Sultana Shimu Hua-Xing Wei Qiangsheng Li Xucai Zheng Bofeng Li	The cross talk between immune and non-immune cells in the tumor microenvironment leads to immunosuppression, which promotes tumor growth and survival. Immunotherapy is an advanced treatment that boosts humoral and cellular immunity rather than using chemotherapy or radiation-based strategy associated with non-specific targets and toxic effects on normal cells. Immune checkpoint inhibitors and T cell-based immunotherapy have already exhibited significant effects against solid tumors and leukemia....	pmid:36109471 doi:10.1007/s10238-022-00887-0	Thu, 15 Sep 2022 06:00:00 -0400

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32	pubmed:36109513	STING mediates nuclear PD-L1 targeting-induced senescence in cancer cells	Je-Jung Lee So Young Kim Songhee H Kim Seoyeon Choi Bin Lee Jeon-Soo Shin	Immune checkpoint molecule programmed death-ligand 1 (PD-L1) is overexpressed in cancer cells and imparts resistance to cancer therapy. Although membrane PD-L1 has been targeted for cancer immune therapy, nuclear PD-L1 was reported to confer cancer resistance. Therefore, it is important to regulate the nuclear PD-L1. The mechanisms underlying the therapeutic efficacy of PD-L1 targeting have not been well-established. Cellular senescence has been considered a pivotal mechanism to prevent cancer...	pmid:36109513 doi:10.1038/s41419-022-05217-6	Thu, 15 Sep 2022 06:00:00 -0400
33	pubmed:36109525	SARS-CoV-2 pneumonia and bacterial pneumonia patients differ in a second hit immune response model	Dominique Moser Matthias Feuerecker Katharina Biere Bing Han Marion Hoerl Gustav Schelling Ines Kaufmann Alexander Choukér Tobias Woehrle	Secondary infections have been shown to complicate the clinical course and worsen the outcome of critically ill patients. Severe Coronavirus Disease 2019 (COVID-19) may be accompanied by a pronounced cytokine release, and immune competence of these patients towards most pathogenic antigens remains uncompromised early in the disease. Patients with bacterial sepsis also exhibit excessive cytokine release with systemic hyper-inflammation, however, typically followed by an anti-inflammatory phase,...	pmid:36109525 doi:10.1038/s41598-022-17368-9	Thu, 15 Sep 2022 06:00:00 -0400
34	pubmed:36109526	Inhibition of UBA6 by inosine augments tumour immunogenicity and responses	Lei Zhang Li Jiang Liang Yu Qin Li Xiangjun Tian Jingquan He Ling Zeng Yuqin Yang Chaoran Wang Yuhan Wei Xiaoyue Jiang Jing Li Xiaolu Ge Qisheng Gu Jikun Li Di Wu Anthony J Sadler Di Yu Dakang Xu Yue Gao Xiangliang Yuan Baokun He	Anti-cancer immunity and response to immune therapy is influenced by the metabolic states of the tumours. Immune checkpoint blockade therapy (ICB) is known to involve metabolic adaptation, however, the mechanism is not fully known. Here we show, by metabolic profiling of plasma samples from melanoma-bearing mice undergoing anti-PD1 and anti-CTLA4 combination therapy, that higher levels of purine metabolites, including inosine, mark ICB sensitivity. Metabolic profiles of ICB-treated human cancers...	pmid:36109526 doi:10.1038/s41467-022-33116-z	Thu, 15 Sep 2022 06:00:00 -0400
35	pubmed:36109561	PARP3 supervises G9a-mediated repression of adhesion and hypoxia-responsive genes in glioblastoma cells	Leonel Nguekeu-Zebaze Najat Hanini Aurélia Noll Nadège Wadier Jean-Christophe Amé Lisa Roegel Françoise Dantzer	In breast cancer, Poly(ADP-ribose) polymerase 3 (PARP3) has been identified as a key driver of tumor aggressiveness exemplifying its selective inhibition as a promising surrogate for clinical activity onto difficult-to-treat cancers. Here we explored the role of PARP3 in the oncogenicity of glioblastoma, the most aggressive type of brain cancer. The absence of PARP3 did not alter cell proliferation nor the in vivo tumorigenic potential of glioblastoma cells. We identified a physical and...	pmid:36109561 doi:10.1038/s41598-022-19525-6	Thu, 15 Sep 2022 06:00:00 -0400

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36	pubmed:36109566	Orphan drug development in alpha-1 antitypsin deficiency	Franziska C Trudzinski Maria Ada Presotto Emanuel Buck Felix J F Herth Markus Ries	Alpha-1 antitrypsin deficiency (AATD, OMIM #613490) is a rare metabolic disorder affecting lungs and liver. The purpose of this study is to assess the impact of the US orphan drug act on AATD by providing a quantitative clinical-regulatory insight into the status of FDA orphan drug approvals and designations for compounds intended to treat AATD. This is across-sectional analysis of the FDA database for orphan drug designations. Primary endpoint: orphan drug approvals. Secondary endpoint: orphan...	pmid:36109566 doi:10.1038/s41598-022-19707-2	Thu, 15 Sep 2022 06:00:00 -0400
37	pubmed:36109580	Sorafenib triggers ferroptosis via inhibition of HBXIP/SCD axis in hepatocellular carcinoma	Lu Zhang Xian-Meng Li Xu-He Shi Kai Ye Xue-Li Fu Xue Wang Shi-Man Guo Jia-Qi Ma Fei-Fei Xu Hui-Min Sun Qian-Qian Li Wei-Ying Zhang Li-Hong Ye	Sorafenib, which inhibits multiple kinases, is an effective frontline therapy for hepatocellular carcinoma (HCC). Ferroptosis is a form of iron-dependent programmed cell death regulated by lipid peroxidation, which can be induced by sorafenib treatment. Oncoprotein hepatitis B X-interacting protein (HBXIP) participates in multiple biological pro-tumor processes, including growth, metastasis, drug resistance, and metabolic reprogramming. However, the role of HBXIP in sorafenib-induced ferroptotic...	pmid:36109580 doi:10.1038/s41401-022-00981-9	Thu, 15 Sep 2022 06:00:00 -0400
38	pubmed:36109621	Immunobiology of high-grade serous ovarian cancer: lessons for clinical translation	Lana E Kandalaft Denarda Dangaj Laniti George Coukos	Treatment of high-grade serous ovarian cancer (HGSOC) remains challenging. Although HGSOC can potentially be responsive to immunotherapy owing to endogenous immunity at the molecular or T cell level, immunotherapy for this disease has fallen short of expectations to date. This Review proposes a working classification for HGSOC based on the presence or absence of intraepithelial T cells, and elaborates the putative mechanisms that give rise to such immunophenotypes. These differences might...	pmid:36109621 doi:10.1038/s41568-022-00503-z	Thu, 15 Sep 2022 06:00:00 -0400
39	pubmed:36109630	Hsa_circ_0000437 promotes pathogenesis of gastric cancer and lymph node metastasis	Xianjuan Shen Shan Kong Shuo Ma Lei Shen Ming Zheng Shiyi Qin Jing Qi Qihong Wang Xiaopeng Cui Shaoqing Ju	Cellular communication between gastric cancer (GC) cells with different metastatic potentials and microenvironments and resultant cancer progression is not fully understood. Circular RNAs (circRNAs) and exosomal circRNAs are known to play extremely important regulatory roles in GC occurrence and progression. Here, we revealed significant differences in coronin-like actin-binding protein 1C (CORO1C) derived circRNA hsa_circ_0000437 between GC and para-cancer tissues. Hsa_circ_0000437 regulated GC...	pmid:36109630 doi:10.1038/s41388-022-02449-w	Thu, 15 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
40	pubmed:36109639	Anti-CD19 CAR T cell therapy for refractory systemic lupus erythematosus	Andreas Mackensen Fabian Müller Dimitrios Mougiakakos Sebastian Böltz Artur Wilhelm Michael Aigner Simon Völkl David Simon Arnd Kleyer Luis Munoz Sascha Kretschmann Soraya Kharboutli Regina Gary Hannah Reimann Wolf Rösler Stefan Uderhardt Holger Bang Martin Herrmann Arif Bülent Ekici Christian Buettner Katharina Maria Habenicht Thomas H Winkler Gerhard Krönke Georg Schett	Systemic lupus erythematosus (SLE) is a life-threatening autoimmune disease characterized by adaptive immune system activation, formation of double-stranded DNA autoantibodies and organ inflammation. Five patients with SLE (four women and one man) with a median (range) age of 22 (6) years, median (range) disease duration of 4 (8) years and active disease (median (range) SLE disease activity index Systemic Lupus Erythematosus Disease Activity Index: 16 (8)) refractory to several immunosuppressive...	pmid:36109639 doi:10.1038/s41591-022-02017-5	Thu, 15 Sep 2022 06:00:00 -0400
41	pubmed:36109644	CAR T_{reg} cells: prime suspects in therapeutic resistance	Neeraj Saini Sattva S Neelapu	No abstract	pmid:36109644 doi:10.1038/s41591-022-01998-7	Thu, 15 Sep 2022 06:00:00 -0400
42	pubmed:36109702	Prospective longitudinal evaluation of treatment-related toxicity and health-related quality of life during the first year of treatment for pediatric acute lymphoblastic leukemia	Clarissa E Schilstra Karen McCleary Joanna E Fardell Mark W Donoghoe Emma McCormack Rishi S Kotecha Richard De Abreu Lourenco Shanti Ramachandran Ruelley Cockcroft Rachel Conyers Siobhan Cross Luciano Dalla-Pozza Peter Downie Tamas Revesz Michael Osborn Frank Alvaro Claire E Wakefield Glenn M Marshall Marion K Mateos Toby N Trahair	CONCLUSIONS: It is feasible to prospectively monitor TRT incidence and longitudinal HRQoL impacts during ALL therapy. Early phases of ALL therapy, regardless of treatment platform, result in prolonged reductions in cancer-related HRQoL.	pmid:36109702 doi:10.1186/s12885-022-10072-x	Thu, 15 Sep 2022 06:00:00 -0400
43	pubmed:36109710	Flagellin synergistically enhances anti-tumor effect of EGFRvIII peptide in a glioblastoma-bearing mouse brain tumor model	Jin Myung Choi Sa-Hoe Lim Zhi-Peng Liu Tae Kyu Lee Joon Haeng Rhee Mee Sun Yoon Jung-Joon Min Shin Jung	CONCLUSIONS: FlaB can enhance the anti-tumor effect of P(EGFRvIII) by increasing CD8 + T cell response in a mouse brain GBM model.	pmid:36109710 doi:10.1186/s12885-022-10023-6	Thu, 15 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
44	pubmed:36109724	Oligo-Fucoidan supplementation enhances the effect of Olaparib on preventing metastasis and recurrence of triple-negative breast cancer in mice	Li-Mei Chen Pao-Pao Yang Aushia Tanzih Al Haq Pai-An Hwang You-Chen Lai Yueh-Shan Weng Michelle Audrey Chen Hsin-Ling Hsu	CONCLUSION: Olaparib supplemented with natural compound Oligo-Fucoidan is a novel therapeutic strategy for reprogramming cancer stemness, metabolism and the microenvironment to prevent local postsurgical recurrence and distant metastasis. The combination therapy may advance therapeutic efficacy that prevent metastasis, chemoresistance and mortality in TNBC patients.	pmid:36109724 doi:10.1186/s12929-022-00855-6	Thu, 15 Sep 2022 06:00:00 -0400
45	pubmed:36109733	Safety of single-dose primaquine as a Plasmodium falciparum gametocytocide: a systematic review and meta-analysis of individual patient data	Kasia Stepniewska Elizabeth N Allen Georgina S Humphreys Eugenie Poirot Elaine Craig Kalynn Kennon Daniel Yilma Teun Bousema Philippe J Guerin Nicholas J White Ric N Price Jaishree Raman Andreas Martensson Richard O Mwaiswelo Germana Bancone Guido J H Bastiaens Anders Bjorkman Joelle M Brown Umberto D'Alessandro Alassane A Dicko Badria El-Sayed Salah-Eldin Elzaki Alice C Eziefula Bronner P Gonçalves Muzamil Mahdi Abdel Hamid Akira Kaneko Simon Kariuki Wasif Khan Titus K Kwambai Benedikt Ley Billy E Ngasala Francois Nosten Joseph Okebe Aaron M Samuels Menno R Smit Will J R Stone Inge Sutanto Feiko Ter Kuile Roger C Tine Alfred B Tiono Chris J Drakeley Roly Gosling Andy Stergachis Karen I Barnes Ingrid Chen	CONCLUSIONS: Our results support the WHO recommendation to use 0.25 mg/kg of primaquine as a P. falciparum gametocytocide, including in G6PD-deficient individuals. Although primaquine is associated with a transient reduction in haemoglobin levels in G6PD-deficient individuals, haemoglobin levels at clinical presentation are the major determinants of anaemia in these patients.	pmid:36109733 doi:10.1186/s12916-022-02504-z	Thu, 15 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
46	pubmed:36109754	Overcoming the blood-brain barrier for the therapy of malignant brain tumor: current status and prospects of drug delivery approaches	Ksenia Mitusova Oleksii O Peltek Timofey E Karpov Albert R Muslimov Mikhail V Zyuzin Alexander S Timin	Besides the broad development of nanotechnological approaches for cancer diagnosis and therapy, currently, there is no significant progress in the treatment of different types of brain tumors. Therapeutic molecules crossing the blood-brain barrier (BBB) and reaching an appropriate targeting ability remain the key challenges. Many invasive and non-invasive methods, and various types of nanocarriers and their hybrids have been widely explored for brain tumor treatment. However, unfortunately, no...	pmid:36109754 doi:10.1186/s12951-022-01610-7	Thu, 15 Sep 2022 06:00:00 -0400
47	pubmed:36109789	Recent advances and limitations of mTOR inhibitors in the treatment of cancer	Eunus S Ali Kangkana Mitra Shamima Akter Sarker Ramproshad Banani Mondal Ishaq N Khan Muhammad Torequl Islam Javad Sharifi-Rad Daniela Calina William C Cho	The PI3K-Akt-mechanistic (formerly mammalian) target of the rapamycin (mTOR) signaling pathway is important in a variety of biological activities, including cellular proliferation, survival, metabolism, autophagy, and immunity. Abnormal PI3K-Akt-mTOR signalling activation can promote transformation by creating a cellular environment conducive to it. Deregulation of such a system in terms of genetic mutations and amplification has been related to several human cancers. Consequently, mTOR has been...	pmid:36109789 doi:10.1186/s12935-022-02706-8	Thu, 15 Sep 2022 06:00:00 -0400
48	pubmed:36109793	RETSAT associates with DDX39B to promote fork restarting and resistance to gemcitabine based chemotherapy in pancreatic ductal adenocarcinoma	Qiu Tu Xiuyun Liu Xiaoqing Yao Ruixue Li Gaojing Liu Honglv Jiang Kaiqin Li Qiongfang Chen Xiaoyan Huang Qing Chang Guoqiang Xu Hong Zhu Peng Shi Bo Zhao	CONCLUSIONS: This study identified RETSAT as a novel replication fork protein, which functions through interacting with DDX39B mediated R-loop clearance to promote fork restarting, leading to cellular resistance to replication stresses co-induced by tumor environmental hypoxia and gemcitabine in pancreatic ductal adenocarcinoma.	pmid:36109793 doi:10.1186/s13046-022-02490-3	Thu, 15 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
49	pubmed:36109798	A novel molecular signature identifies mixed subtypes in renal cell carcinoma with poor prognosis and independent response to immunotherapy	Florian A Büttner Stefan Winter Viktoria Stühler Steffen Rausch Jörg Hennenlotter Susanne Füßel Stefan Zastrow Matthias Meinhardt Marieta Toma Carmen Jerónimo Rui Henrique Vera Miranda-Gonçalves Nils Kröger Silvia Ribback Arndt Hartmann Abbas Agaimy Christine Stöhr Iris Polifka Falko Fend Marcus Scharpf Eva Comperat Gabriel Wasinger Holger Moch Arnulf Stenzl Marco Gerlinger Jens Bedke Matthias Schwab Elke Schaeffeler	CONCLUSION: Switching from categorical to continuous subtype classification across most frequent RCC subtypes enables outcome prediction and fosters personalized treatment strategies.	pmid:36109798 doi:10.1186/s13073-022-01105-y	Thu, 15 Sep 2022 06:00:00 -0400
50	pubmed:36109814	Hemin-incorporating DNA nanozyme enabling catalytic oxygenation and GSH depletion for enhanced photodynamic therapy and synergistic tumor ferroptosis	Xiaoxiong Xiao Min Chen Yuchen Zhang Liang Li Ying Peng Wenhu Zhou Junyu Li	Photodynamic therapy (PDT) has emerged as a promising tumor treatment method via light-triggered generation of reactive oxygen species (ROS) to kill tumor cells. However, the efficacy of PDT is usually restricted by several biological limitations, including hypoxia, excess glutathione (GSH) neutralization, as well as tumor resistance. To tackle these issues, herein we developed a new kind of DNA nanozyme to realize enhanced PDT and synergistic tumor ferroptosis. The DNA nanozyme was constructed...	pmid:36109814 doi:10.1186/s12951-022-01617-0	Thu, 15 Sep 2022 06:00:00 -0400
51	pubmed:36109853	Combined Chemo-Immuno-Photothermal Therapy for Effective Cancer Treatment via an All-in-One and One-for-All Nanoplatfrom	Xianglong Yu Ning Han Ziyi Dong Yunni Dang Qing Zhang Wenjun Hu Changhai Wang Shouying Du Yang Lu	Tumor metastasis and recurrence are recognized to be the main causes of failure in cancer treatment. To address these issues, an "all in one" and "one for all" nanoplatfrom was established for combined "chemo-immuno-photothermal" therapy with the expectation to improve the antitumor efficacy. Herein, Docetaxel (DTX, a chemo-agent) and cynomorium songaricum polysaccharide (CSP, an immunomodulator) were loaded into zein nanoparticles coated by a green tea polyphenols/iron coordination complex...	pmid:36109853 doi:10.1021/acsami.2c12969	Fri, 16 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
52	pubmed:36109871	Effect of Mutation Allele Frequency on the Risk Stratification of Myelodysplastic Syndrome Patients	Wan-Hsuan Lee Chien-Chin Lin Cheng-Hong Tsai Mei-Hsuan Tseng Yuan-Yeh Kuo Ming-Chih Liu Jih-Luh Tang Hsun-I Sun Yi-Kuang Chuang Wen-Chien Chou Hsin-An Hou Hwei-Fang Tien	Myelodysplastic syndrome (MDS) is a heterogeneous group of clonal myeloid malignancies. Though several recurrent mutations are closely correlated with clinical outcomes, data concerning the association between mutation variant allele frequencies (VAF) and prognosis are limited. In this study, we performed comprehensive VAF analyses of relevant myeloid-malignancy related mutations in 698 MDS patients and correlated the results with their prognosis. Mutation VAF in DNMT3A, TET2, ASXL1, EZH2,...	pmid:36109871 doi:10.1002/ajh.26734	Fri, 16 Sep 2022 06:00:00 -0400
53	pubmed:36110046	A protein encoded by circular ZNF609 RNA induces acute kidney injury by activating AKT/mTOR-autophagy pathway	Xin Ouyang Zhimei He Heng Fang Huidan Zhang Qi Yin Linhui Hu Fei Gao Hao Yin Taofang Hao Yating Hou Qingrui Wu Jia Deng Jing Xu Yirong Wang Chunbo Chen	Autophagy plays a crucial role in the development and progression of ischemic acute kidney injury (AKI). However, the function and mechanism of circRNAs in regulation of autophagy in ischemic AKI remain unexplored. Herein, we found that circ-ZNF609, originating from the ZNF609 locus, was highly expressed in the kidney after ischemia/reperfusion injury and urinary circ-ZNF609 was a moderate predictor for AKI in heart disease patients. Overexpression of circ-ZNF609 could activate AKT3/mTOR...	pmid:36110046 doi:10.1016/j.ymthe.2022.09.007	Fri, 16 Sep 2022 06:00:00 -0400
54	pubmed:36110063	Posttransplant cyclophosphamide-based anti-graft-vs-host disease prophylaxis in patients with acute lymphoblastic leukemia treated in complete remission with allogeneic hematopoietic cell transplantation from human leukocyte antigen-mismatched unrelated d	Arnon Nagler Myriam Labopin Mutlu Arat Péter Reményi Yener Koc Didier Blaise Emanuele Angelucci Jan Vydra Aleksandr Kulagin Gerard Socié Montserrat Rovira Simona Sica Mahmoud Aljurf Zafer Gülbas Nicolaus Kröger Eolia Brissot Zinaida Peric Sebastian Giebel Fabio Ciceri Mohamad Mohty	CONCLUSION: Outcomes of MMUD and haplo transplants with PTCy-based GVHD prophylaxis for ALL patients in CR are similar, apart from a higher incidence of aGVHD with haplo transplants.	pmid:36110063 doi:10.1002/cnecr.34452	Fri, 16 Sep 2022 06:00:00 -0400
55	pubmed:36110110	Intraoperative Neuromonitoring for Pediatric Pelvic Tumors	Alessandro Crocoli Cristina Martucci Franco Randi Viviana Ponzo Alessandro Trucchi Maria Debora De Pasquale Carlo Efisio Marras Alessandro Inserra	BACKGROUND: Tumors of the pre-sacral and sacral spaces are a rare occurrence in children. Total tumor excision is required due to the significant risk of relapse in the event of partial surgery, but the surgical procedure may lead to postoperative problems such as urinary, sexual, and anorectal dysfunctions. Intraoperative neuromonitoring (IONM) has gained popularity in recent years as a strategy for preventing the onset of neurologic impairments by combining several neurophysiological...	pmid:36110110 pmc:PMC9468478 doi:10.3389/fped.2022.949037	Fri, 16 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
56	pubmed:36110128	Comparison of Droplet Digital PCR and Metagenomic Next-Generation Sequencing Methods for the Detection of Human Herpesvirus 6B Infection Using Cell-Free DNA from Patients Receiving CAR-T and Hematopoietic Stem Cell Transplantation	Jiao Meng Hongyan Ji Liting Chen Aichun Liu	CONCLUSION: Our results indicated that ddPCR improved the HHV-6B positive detection ratio and was an effective adjunct to mNGS methods. Furthermore, the longitudinal detection and quantification of HHV-6B viral load in patients undergoing CAR T-cell therapy and HSCT may serve as a guide for drug treatment.	pmid:36110128 pmc:PMC9469937 doi:10.2147/IDR.S379439	Fri, 16 Sep 2022 06:00:00 -0400
57	pubmed:36110158	Combination Antiemetic Therapy for Chemotherapy-Induced Nausea and Vomiting in Patients with NSCLC Receiving Carboplatin-Based Chemotherapy	Mototsugu Shimokawa Naoki Haratake Kazuki Takada Gouji Toyokawa Shinkichi Takamori Fumitaka Mizuki Tomoyoshi Takenaka Toshinobu Hayashi	CONCLUSION: Female sex, younger age, and receipt of the CBDCA + pemetrexed regimen increased the risk of CINV. Therefore, we recommend additional supportive antiemetics treatment for these patients.	pmid:36110158 pmc:PMC9470117 doi:10.2147/CMAR.S370961	Fri, 16 Sep 2022 06:00:00 -0400
58	pubmed:36110184	Mechanisms of Intervertebral Disc Degeneration Treatment with Deer Antlers Based on Network Pharmacology and Molecular Docking	Rui Weng Hongheng Lin Zhuoyao Li Daman Chen Xiaoxiao Lin Zhenyu Zhang Qiqi Chen Yiqi Yao Wenchao Li	CONCLUSION: Deer antlers are rich in various compounds that can prevent the development of IVDD by upregulating the PI3K-Akt signaling pathway and Notch signaling pathway. Its key compounds estradiol and estrone can reduce the inflammatory response and oxidative stress in tissues and organs, thus slowing down the progression of IVDD. Estrone, the active compound in deer antlers, was found by molecular docking to have good results against ESR1, the target of the disease, which may be a potential...	pmid:36110184 pmc:PMC9470325 doi:10.1155/2022/8092848	Fri, 16 Sep 2022 06:00:00 -0400
59	pubmed:36110204	Prognostic and immune-related value of complement C1Q (C1QA, C1QB, and C1QC) in skin cutaneous melanoma	Huanglong Yang Dehui Che Yuxiang Gu Dongsheng Cao	Background: Skin cutaneous melanoma (SKCM) is a common malignancy that is associated with increased morbidity and mortality. Complement C1Q is composed of C1QA, C1QB, and C1QC and is involved in the occurrence and development of many malignant tumours. However, the effect of C1QA, C1QB, and C1QC expression on tumour immunity and prognosis of cutaneous melanoma remains unclear. Methods: First, we analysed C1QA, C1QB, and C1QC expression levels and prognostic values using Gene Expression Profiling...	pmid:36110204 pmc:PMC9468976 doi:10.3389/fgene.2022.940306	Fri, 16 Sep 2022 06:00:00 -0400
60	pubmed:36110210	Stemness analysis in hepatocellular carcinoma identifies an extracellular matrix gene-related signature associated with prognosis and therapy response	Lei Chen Dafang Zhang Shengmin Zheng Xinyu Li Pengji Gao	Background: Tumor stemness is the stem-like phenotype of cancer cells, as a hallmark for multiple processes in the development of hepatocellular carcinoma (HCC). However, comprehensive functions of the regulators of tumor cell's stemness in HCC remain unclear. Methods: Gene expression data and clinical information of HCC samples were downloaded from The Cancer Genome Atlas (TCGA) dataset as the training set, and three validation datasets were derived from Gene Expression Omnibus (GEO) and...	pmid:36110210 pmc:PMC9468756 doi:10.3389/fgene.2022.959834	Fri, 16 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
61	pubmed:36110213	Pan-cancer analysis of the prognosis and immunological role of AKAP12: A potential biomarker for resistance to anti-VEGF inhibitors	Qiuju Liang Jinwu Peng Zhijie Xu Zhilan Li Feng Jiang Lingzi Ouyang Shangjun Wu Chencheng Fu Ying Liu Yuanhong Liu Yuanliang Yan	The primary or acquired resistance to anti-VEGF inhibitors remains a common problem in cancer treatment. Therefore, identifying potential biomarkers enables a better understanding of the precise mechanism. Through the GEO database, three profiles associated with bevacizumab (BV) resistance to ovarian cancer, glioma, and non-small-cell lung carcinoma, respectively, were collected for the screening process, and two genes were found. A-kinase anchor protein 12 (AKAP12), one of these two genes,...	pmid:36110213 pmc:PMC9468827 doi:10.3389/fgene.2022.943006	Fri, 16 Sep 2022 06:00:00 -0400
62	pubmed:36110238	Selected ginsenosides interfere efficiently with hepatitis B virus mRNA expression levels and suppress viral surface antigen secretion	Ganesh Selvaraj Duraisamy Eunji Jo Ivana Huvarová Kyu-Ho P Park Zbynk Heger Vojtch Adam Daniel Ržek Marc P Windisch Andrew D Miller	Ginsenosides are a class of natural steroid glycosides and triterpene saponins found in Panax ginseng. After screening of a commercial ginsenoside compound library for low cellular cytotoxicity and the ability to mediate efficient reductions in hepatitis B virus (HBV) mRNA expression levels in HepG2.2.15 cells, three ginsenosides (Rg6, Rh4, and Rb3) are selected. Thereafter, using the same cellular model, all three ginsenosides are shown to mediate efficient, selective inhibition of HBV mRNA...	pmid:36110238 pmc:PMC9468399 doi:10.1016/j.heliyon.2022.e10465	Fri, 16 Sep 2022 06:00:00 -0400
63	pubmed:36110316	Modulating the surface potential of microspheres by phase transition in strontium doped barium titanate to restore the electric microenvironment for bone regeneration	Peng Wang Xiaosong Zhou Caili Lv Yu Wang Zongliang Wang Liqiang Wang Yongzhan Zhu Min Guo Peibiao Zhang	The endogenous electrical potential generated by native bone and periosteum plays a key role in maintaining bone mass and quality. Inspired by the electrical properties of bone, different negative surface potentials are built on microspheres to restore electric microenvironment for powerful bone regeneration, which was prepared by the combination of strontium-doped barium titanate (Sr-BTO) nanoparticles and poly (lactic-co-glycolic acid) (PLGA) with high electrostatic voltage field (HEV). The...	pmid:36110316 pmc:PMC9468715 doi:10.3389/fbioe.2022.988300	Fri, 16 Sep 2022 06:00:00 -0400
64	pubmed:36110319	Global research trends in extracellular vesicles based on stem cells from 1991 to 2021: A bibliometric and visualized study	Jianjing Lin Zhen Yang Li Wang Dan Xing Jianhao Lin	Objective: With the development of extracellular vesicles (EVs) based on stem cells research all over the world, our present study was aiming to discover the global trends in this field. Methods: All publications related to EVs based on stem cells from 1991 to 2021 were collected from the Science Citation Index-Expanded of Web of Science Subsequently, the data were evaluated using the bibliometric methodology. In terms of visualized study, the VOS viewer software was performed to investigate the...	pmid:36110319 pmc:PMC9468424 doi:10.3389/fbioe.2022.956058	Fri, 16 Sep 2022 06:00:00 -0400
65	pubmed:36110321	Editorial: Advanced cell culture technologies to boost cell-based therapies, volume II	Dominik Egger Jan Hansmann Cornelia Kasper Dimitrios Kouroupis	No abstract	pmid:36110321 pmc:PMC9469591 doi:10.3389/fbioe.2022.999765	Fri, 16 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
66	pubmed:36110422	Iron corroded granules inhibiting vascular smooth muscle cell proliferation	Dongxu Qiu Yalan Deng Yanbin Wen Jun Yin Jie Feng Jiabing Huang Mingyu Song Gui Zhang Changqing Chen Jian Xia	In-stent restenosis after interventional therapy remains a severe clinical complication. Current evidence indicates that neointimal hyperplasia induced by vascular smooth muscle cell (VSMC) proliferation is a major cause of restenosis. Thus, inhibiting VSMC proliferation is critical for preventing in-stent restenosis. The incidence of restenosis was reduced in nitrided iron-based stents (hereafter referred to as iron stents). We hypothesized that the corroded granules produced by the iron stent...	pmid:36110422 pmc:PMC9468459 doi:10.1016/j.mtbio.2022.100420	Fri, 16 Sep 2022 06:00:00 -0400
67	pubmed:36110516	The mechanism of action of a novel neuroprotective low molecular weight dextran sulphate: New platform therapy for neurodegenerative diseases like Amyotrophic Lateral Sclerosis	Ann Logan Antonio Belli Valentina Di Pietro Barbara Tavazzi Giacomo Lazzarino Renata Mangione Giuseppe Lazzarino Inés Morano Omar Qureshi Lars Bruce Nicholas M Barnes Zsuzsanna Nagy	Background: Acute and chronic neurodegenerative diseases represent an immense socioeconomic burden that drives the need for new disease modifying drugs. Common pathogenic mechanisms in these diseases are evident, suggesting that a platform neuroprotective therapy may offer effective treatments. Here we present evidence for the mode of pharmacological action of a novel neuroprotective low molecular weight dextran sulphate drug called ILB^(@). The working hypothesis was that ILB^(@) acts via the...	pmid:36110516 pmc:PMC9468270 doi:10.3389/fphar.2022.983853	Fri, 16 Sep 2022 06:00:00 -0400
68	pubmed:36110528	Comprehensive bioinformatics analysis to identify a novel cuproptosis-related prognostic signature and its ceRNA regulatory axis and candidate traditional Chinese medicine active ingredients in lung adenocarcinoma	Shaohui Wang Nan Xing Xianli Meng Li Xiang Yi Zhang	Lung adenocarcinoma (LUAD) is the most ordinary histological subtype of lung cancer, and regulatory cell death is an attractive target for cancer therapy. Recent reports suggested that cuproptosis is a novel copper-dependent modulated form of cell death dependent on mitochondrial respiration. However, the role of cuproptosis-related genes (CRGs) in the LUAD process is unclear. In the current study, we found that DLD, LIAS, PDHB, DLAT and LIPA1 in 10 differentially expressed CRGs were central...	pmid:36110528 pmc:PMC9468865 doi:10.3389/fphar.2022.971867	Fri, 16 Sep 2022 06:00:00 -0400
69	pubmed:36110535	Co-Treatment With Resveratrol and FGF1 Protects Against Acute Liver Toxicity After Doxorubicin Treatment via the AMPK/NRF2 Pathway	Xianchou Xu Qingbo Liu Jiahao Li Mengjie Xiao Ting Gao Xiaohui Zhang Guangping Lu Jie Wang Yuanfang Guo Peinan Wen Junlian Gu	Doxorubicin (DOX), an anthracycline type of chemotherapy, is an effective therapy for several types of cancer, but serious side effects, such as severe hepatotoxicity, limit its use currently. Accordingly, an effective therapeutic strategy to prevent DOX-related hepatotoxicity is urgently needed. Through the inhibition of oxidative stress, fibroblast growth factor 1 (FGF1) is an effect therapy for a variety of liver diseases, but its use is limited by an increased risk of tumorigenesis due to...	pmid:36110535 pmc:PMC9468578 doi:10.3389/fphar.2022.940406	Fri, 16 Sep 2022 06:00:00 -0400
70	pubmed:36110844	Pharmacological modulation of myeloid-derived suppressor cells to dampen inflammation	Chiel van Geffen Constantin Heiss Astrid Deißler Saeed Kolahian	Myeloid-derived suppressor cells (MDSCs) are a heterogeneous cell population with potent suppressive and regulative properties. MDSCs' strong immunosuppressive potential creates new possibilities to treat chronic inflammation and autoimmune diseases or induce tolerance towards transplantation. Here, we summarize and critically discuss different pharmacological approaches which modulate the generation, activation, and recruitment of MDSCs in vitro and in vivo, and their potential role in future...	pmid:36110844 pmc:PMC9468781 doi:10.3389/fimmu.2022.933847	Fri, 16 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
71	pubmed:36110851	The cuproptosis-related signature associated with the tumor environment and prognosis of patients with glioma	Weichen Wang Zhichao Lu Maoyu Wang Zongheng Liu Bing Wu Chengkai Yang He Huan Peipei Gong	CONCLUSION: The current study revealed the novel cuproptosis-based signature might help predict the prognosis, biological features, and appropriate treatment for patients with glioma.	pmid:36110851 pmc:PMC9468372 doi:10.3389/fimmu.2022.998236	Fri, 16 Sep 2022 06:00:00 -0400
72	pubmed:36110857	Impact of antiretroviral therapy in primary HIV infection on natural killer cell function and the association with viral rebound and HIV DNA following treatment interruption	Matthew Pace Ane Ogbe Jacob Hurst Nicola Robinson Jodi Meyerowitz Natalia Olejniczak John P Thornhill Mathew Jones Anele Waters Julianne Lwanga Kristen Kuldane Rebecca Hall Panagiota Zacharopoulou Genevieve E Martin Helen Brown Nneka Nwokolo Dimitra Peppas Julie Fox Sarah Fidler John Frater	Natural Killer (NK) cells play a key role in controlling HIV replication, with potential downstream impact on the size of the HIV reservoir and likelihood of viral rebound after antiretroviral therapy (ART) cessation. It is therefore important to understand how primary HIV infection (PHI) disrupts NK cell function, and how these functions are restored by early ART. We examined the impact of commencing ART during PHI on phenotypic and functional NK cell markers at treatment initiation (baseline),...	pmid:36110857 pmc:PMC9468877 doi:10.3389/fimmu.2022.878743	Fri, 16 Sep 2022 06:00:00 -0400
73	pubmed:36110859	Comparable outcomes in patients with B-cell acute lymphoblastic leukemia receiving haploidentical hematopoietic stem cell transplantation: Pretransplant minimal residual disease-negative complete remission following chimeric antigen receptor T-cell therap	Ting-Ting Yang Ye Meng De-Lin Kong Guo-Qing Wei Ming-Ming Zhang Wen-Jun Wu Ji-Min Shi Yi Luo Yan-Min Zhao Jian Yu Rui-Rui Jing Meng-Yu Zhao Hou-Li Zhao He Huang Yong-Xian Hu	CONCLUSIONS: Our results demonstrated that patients with R/R B-ALL receiving haplo-HSCT after CAR-T therapy achieved comparable outcomes to patients transplanted post-chemotherapy-based MRD-negative CR1, without increased risk of transplant-related mortality and toxicity.	pmid:36110859 pmc:PMC9468760 doi:10.3389/fimmu.2022.934442	Fri, 16 Sep 2022 06:00:00 -0400
74	pubmed:36110863	The clinical features and prognoses of anti-MDA5 and anti-aminoacyl-tRNA synthetase antibody double-positive dermatomyositis patients	Xixia Chen Lu Zhang Qiwen Jin Xin Lu Jieping Lei Qinglin Peng Guochun Wang Yongpeng Ge	CONCLUSION: Presentation with anti-MDA5+/ARS+ DM was rare. The clinical and radiological characteristics of anti-MDA5+/ARS+ DM combined the features of anti-MDA5+ and anti-ARS+ individuals. Individuals with anti-MDA5+/ARS+ antibodies may respond well to glucocorticoid therapy; glucocorticoids combined with one or more immunosuppressants may be considered a basic treatment approach.	pmid:36110863 pmc:PMC9468482 doi:10.3389/fimmu.2022.987841	Fri, 16 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
75	pubmed:36110930	Chondroitin sulfate proteoglycan 4 expression in chondrosarcoma: A potential target for antibody-based immunotherapy	Sjoerd P F T Nota David O Osei-Hwedieh David L Drum Xinhui Wang Francesco Sabbatino Soldano Ferrone Joseph H Schwab	Chondrosarcoma is a common primary bone malignancy whose phenotype increases with its histologic grade. They are relatively resistant to chemotherapy and radiation therapy limiting curative options for disseminated disease. Chondroitin sulfate proteoglycan 4 (CSPG4) is a cell surface proteoglycan that is highly expressed across various human cancers, including chondrosarcoma, and has restricted distribution in healthy tissues, making it an attractive target for the antibody-based therapy. CSPG4...	pmid:36110930 pmc:PMC9468862 doi:10.3389/fonc.2022.939166	Fri, 16 Sep 2022 06:00:00 -0400
76	pubmed:36110940	Prediction of response to systemic treatment by kinetics of circulating tumor DNA in metastatic pancreatic cancer	Patrick Kirchweger Alexander Kupferthaler Jonathan Burghofer Gerald Webersinke Emina Jukic Simon Schwendinger Helwig Wundsam Matthias Biebl Andreas Petzer Holger Rumpold	CONCLUSION: The change in magnitude of ctDNA during systemic treatment allows the prediction of treatment response and is associated with both OS and PFS. This finding adds significant clinical potential to the already established prognostic value of ctDNA positivity in metastatic pancreatic cancer.	pmid:36110940 pmc:PMC9468369 doi:10.3389/fonc.2022.902177	Fri, 16 Sep 2022 06:00:00 -0400
77	pubmed:36110941	Systematic assessment of microRNAs associated with lung cancer and physical exercise	Yang Liu Libo He Wang Wang	It has long been evident that physical exercise reduces the risk of cancer and improves treatment efficacy in tumor patients, particularly in lung cancer (LC). Several molecular mechanisms have been reported, but the mechanisms related to microRNAs (miRNAs) are not well understood. MiRNAs modulated various basic biological processes by negatively regulating gene expression and can be transmitted between cells as signaling molecules. Recent studies have shown that miRNAs are actively released...	pmid:36110941 pmc:PMC9468783 doi:10.3389/fonc.2022.917667	Fri, 16 Sep 2022 06:00:00 -0400
78	pubmed:36110944	Lurbinectedin in small cell lung cancer	Anna Manzo Vincenzo Sforza Guido Carillio Giuliano Palumbo Agnese Montanino Claudia Sandomenico Raffaele Costanzo Giovanna Esposito Francesca Laudato Edoardo Mercadante Carmine La Manna Paolo Muto Giuseppe Totaro Rossella De Cecio Carmine Picone Maria Carmela Piccirillo Giacomo Pascarella Nicola Normanno Alessandro Morabito	Few treatment options are available for patients with small cell lung cancer (SCLC) in progression after a first-line therapy. A novel therapeutic approach is represented by lurbinectedin, a synthetic derivative of trabectedin that works by inhibiting oncogenic transcription and promoting apoptosis in tumor cells. A phase II basket trial demonstrated the activity of lurbinectedin at the dose of 3.2 mg/m² in patients with SCLC who had failed a previous chemotherapy, with a response rate of 35.2%,...	pmid:36110944 pmc:PMC9469650 doi:10.3389/fonc.2022.932105	Fri, 16 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
79	pubmed:36110946	Identification of cuprotosis-mediated subtypes, the development of a prognosis model, and influence immune microenvironment in hepatocellular carcinoma	Jingjing Xiao Zhenhua Liu Jinlong Wang Shuaimin Zhang Yi Zhang	CONCLUSIONS: In summary, we identified three cuprotosis-mediated patterns in HCC. And CMPRGs are a promising candidate biomarker for HCC early detection, owing to their strong performance in predicting HCC prognosis and therapy. Quantifying cuprotosis-mediated patterns in individual samples may help improve the understanding of multiomic characteristics and guide the development of targeted therapy for HCC.	pmid:36110946 pmc:PMC9468823 doi:10.3389/fonc.2022.941211	Fri, 16 Sep 2022 06:00:00 -0400
80	pubmed:36110953	Development and validation of a prognosis prediction model based on 18 endoplasmic reticulum stress-related genes for patients with lung adenocarcinoma	Long Shu Shuang Liu Yongguang Tao	CONCLUSION: We developed and validated an ER stress-related risk model that exhibited great predictive value for OS in patients with LUAD. Our work also expanded the understanding of the role of ER stress in LUAD.	pmid:36110953 pmc:PMC9469654 doi:10.3389/fonc.2022.902353	Fri, 16 Sep 2022 06:00:00 -0400
81	pubmed:36110957	Photobiomodulation therapy in management of cancer therapy-induced side effects: WALT position paper 2022	Jolien Robijns Raj G Nair Joy Lodewijckx Praveen Arany Andrei Barasch Jan M Bjordal Paolo Bossi Anne Chilles Patricia M Corby Joel B Epstein Sharon Elad Reza Fekrazad Eduardo Rodrigues Fregnani Marie-Thérèse Genot Ana M C Ibarra Michael R Hamblin Vladimir Heiskanen Ken Hu Jean Klastersky Rajesh Lalla Sofia Latifian Arun Maiya Jeroen Mebis Cesar A Migliorati Dan M J Milstein Barbara Murphy Judith E Raber-Durlacher Hendrik J Roseboom Stephen Sonis Nathaniel Treister Yehuda Zadik René-Jean Bensadoun	CONCLUSIONS: There is robust evidence for using PBM to prevent and treat a broad range of complications in cancer care. Specific clinical practice guidelines or evidence-based expert consensus recommendations are provided. These recommendations are aimed at improving the clinical utilization of PBM therapy in supportive cancer care and promoting research in this field. It is anticipated these guidelines will be revised periodically.	pmid:36110957 pmc:PMC9468822 doi:10.3389/fonc.2022.927685	Fri, 16 Sep 2022 06:00:00 -0400
82	pubmed:36110967	Combined treatment of marizomib and cisplatin modulates cervical cancer growth and invasion and enhances antitumor potential <i>in vitro</i> and <i>in vivo</i>	Ziruizhuo Zhang Songcheng Zhang Bingjie Lin Qixin Wang Xiaojing Nie Yonghua Shi	Proteasome inhibition is an attractive approach for anticancer therapy. Cisplatin (cis-diamminedichloroplatinum, CDDP) is widely used as a standard chemotherapy drug in the treatment of solid malignant tumors, such as cervical cancer, ovarian cancer, colorectal cancer, and lung cancer. However, the development of CDDP resistance largely limits its clinical application. Proteasome inhibitors may enhance traditional chemotherapy agent-induced cytotoxicity and apoptosis. Marizomib (NPI-0052,...	pmid:36110967 pmc:PMC9468930 doi:10.3389/fonc.2022.974573	Fri, 16 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
83	pubmed:36110968	Pseudo-progression with osimertinib after definitive chemoradiation in unresectable epidermal growth factor receptor mutation positive of stage III non-small cell lung cancer: A case report	Fei Ren Yao Wang Yongsheng Gao Xiangjiao Meng	Epidermal growth factor receptor tyrosine kinase inhibitors (EGFR TKIs) have been widely used in the treatment of locally advanced non-small cell lung cancer (NSCLC). The phenomenon of pseudoprogression in targeted therapy in EGFR-mutation NSCLC patients is rare. Here, we reported an EGFR-mutation-positive lung adenocarcinoma patient who was admitted to a hospital for cough and chest distress accompanied by shortness of breath. He underwent four cycles of chemotherapy with pemetrexed combined...	pmid:36110968 pmc:PMC9468776 doi:10.3389/fonc.2022.971192	Fri, 16 Sep 2022 06:00:00 -0400
84	pubmed:36110969	SHMT2 regulates serine metabolism to promote the progression and immunosuppression of papillary renal cell carcinoma	Weiyu Kong Zhongyuan Wang Nuoran Chen Yiwen Mei Yang Li Yulin Yue	Recent research has demonstrated the diverse relationship between tumour metabolism and the tumour microenvironment (TME), for example, abnormal serine metabolism. This study investigated the role of serine metabolism in papillary renal cell carcinoma (pRCC) focusing on the prognostic value and regulatory mechanisms. Gene expression profiles and clinical data of patients with pRCC were obtained from The Cancer Genome Atlas (TCGA) database and Gene Expression Omnibus (GEO) database. Kaplan-Meier...	pmid:36110969 pmc:PMC9468258 doi:10.3389/fonc.2022.914332	Fri, 16 Sep 2022 06:00:00 -0400
85	pubmed:36110971	Personalized tissue-engineered arteries as vascular graft transplants: A safety study in sheep	Lachmi Jenndahl Klas Österberg Yalda Bogestål Robin Simsa Tobias Gustafsson-Hedberg Patrik Stenlund Sarunas Petronis Annika Krona Per Fogelstrand Raimund Strehl Joakim Håkansson	Patients with cardiovascular disease often need replacement or bypass of a diseased blood vessel. With disadvantages of both autologous blood vessels and synthetic grafts, tissue engineering is emerging as a promising alternative of advanced therapy medicinal products for individualized blood vessels. By reconditioning of a decellularized blood vessel with the recipient's own peripheral blood, we have been able to prevent rejection without using immunosuppressants and prime grafts for efficient...	pmid:36110971 pmc:PMC9463533 doi:10.1016/j.reth.2022.08.005	Fri, 16 Sep 2022 06:00:00 -0400
86	pubmed:36111005	The prognostic value of chemotherapy or endocrine therapy choice according to circulating tumor cell count in HR[±]HER2⁻ metastatic breast cancer: a retrospective study	Bin Shao Huiping Li Jiayang Zhang Xiaoran Liu Guohong Song Hanfang Jiang Ying Yan Huan Wang Jing Wang Lijun Di	CONCLUSIONS: The present study showed that CTC count determined by the Pep@MNP system confirmed the prognostic value in the HR ⁽⁺⁾ HER2 ⁽⁻⁾ MBC patients. And it might be helpful in choosing a 1st-line treatment of CT or ET for HR ⁽⁺⁾ HER2 ⁽⁻⁾ MBC patients.	pmid:36111005 pmc:PMC9469166 doi:10.21037/atm-22-3797	Fri, 16 Sep 2022 06:00:00 -0400
87	pubmed:36111010	YouTube as a platform to better understand the treatment of lymphoma using ibrutinib: a cross-sectional study	Lin Yang Xiuliang Qiu Qiuling Zhao Hongqiang Qiu Yu Cheng Wenbin Liu Ruixiang Xie	CONCLUSIONS: YouTube could be an effective source for different groups of people to obtain helpful information about ibrutinib. The physicians, pharmacists, nurses and healthcare organizations should prepare and upload more comprehensible and reliable videos with evidence-based information.	pmid:36111010 pmc:PMC9469172 doi:10.21037/atm-22-3577	Fri, 16 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
88	pubmed:36111020	The prognostic benefit from intermediate-dose cytarabine as consolidation therapy varies by cytogenetic subtype in t(8;21) acute myeloid leukemia: a retrospective cohort study	Guofeng Chen Jiaqi Yang Fuliang Cao Wei Zhou Dan Gong Liren Liu Dejun Zhou	CONCLUSIONS: IDAC was suitable for patients with additional -X, del(9q), or complex karyotype, while LDAC might be sufficient for patients with t(8;21)-only or additional -Y cytogenetics. It suggested that t(8;21) AML patients with different karyotypes should use different consolidation regimens.	pmid:36111020 pmc:PMC9469173 doi:10.21037/atm-22-2965	Fri, 16 Sep 2022 06:00:00 -0400
89	pubmed:36111024	The effects of treatment using polydeoxyribonucleotide through extracorporeal shock wave therapy: synergic regeneration effects on atrophied calf muscles in immobilized rabbits	Kang Lip Kim Gi Young Park Yong Suk Moon Dong Rak Kwon	CONCLUSIONS: ESWT combined with PDRN injection was more effective in muscle regeneration than ESWT, PDRN injection alone, or normal saline injection on atrophied calf muscles in rabbit models.	pmid:36111024 pmc:PMC9469153 doi:10.21037/atm-22-854	Fri, 16 Sep 2022 06:00:00 -0400
90	pubmed:36111030	A lung adenocarcinoma patient with <i>ROS1</i> fusion and <i>NBN</i> germline mutation achieves long progression-free survival from sintilimab combined with niraparib after failure of <i>ROS1</i> inhibitors: a case report	Fangye Xu Chunmei Xiao Weijie Sun Yuange He Roberto Chalela Ken Masuda Paola Ulivi Kai Shen Qianwen Shao Jiali Xu Lianke Liu	CONCLUSIONS: This case shows that the combination of small-molecule inhibitors and immunotherapy may improve survival in NSCLC patients with driver genes, and sintilimab combined with niraparib provides a successful clinical case for the treatment of refractory tumors HRR gene mutation, which can be used as a reference for personalized treatment. Of course, more clinical trials are needed to confirm this combination treatment strategy.	pmid:36111030 pmc:PMC9469170 doi:10.21037/atm-22-3582	Fri, 16 Sep 2022 06:00:00 -0400
91	pubmed:36111105	B cells in systemic lupus erythematosus: Targets of new therapies and surveillance tools	Ioannis Parodis Mariele Gatto Christopher Sjöwall	B cell hyperactivity is a hallmark of the complex autoimmune disease systemic lupus erythematosus (SLE), which has justified drug development focusing on B cell altering agents during the last decades, as well as the off-label use of B cell targeting biologics. About a decade ago, the anti-B cell activating factor (BAFF) belimumab was the first biological agent to be licensed for the treatment of adult patients with active yet non-renal and non-neuropsychiatric SLE, to later be expanded to...	pmid:36111105 pmc:PMC9468481 doi:10.3389/fmed.2022.952304	Fri, 16 Sep 2022 06:00:00 -0400
92	pubmed:36111117	Is ectopic Cushing's syndrome underdiagnosed in patients with small cell lung cancer?	Marta Piasecka Martin Larsson Eleni Papakokkinou Lena Olsson Oskar Ragnarsson	CONCLUSIONS: Our findings indicate that ECS is underdiagnosed in patients with SCLC. Given the serious consequences of untreated ECS, the low detection rate highlights the need to improve endocrine work-up of patients with SCLC who present with biochemical and clinical features associated with ECS. Prospective studies are needed to establish a reliable assessment of the incidence of ECS and to optimise early detection strategies.	pmid:36111117 pmc:PMC9468750 doi:10.3389/fmed.2022.954033	Fri, 16 Sep 2022 06:00:00 -0400
93	pubmed:36111143	CD36 deficiency inhibits proliferation by cell cycle control in skeletal muscle cells	Jingyu Sun Yajuan Su Yaning Xu Duran Qin Qianhui He Haiping Qiu Jiatong Zhuo Weida Li	Obesity-related muscular dysfunction and relative muscle atrophy affect an increasing number of people. Elucidating the molecular mechanisms of skeletal muscle cell development and growth may contribute to the maintenance of skeletal muscle mass in obesity. Fatty acid translocase (FAT/CD36), as a long-chain fatty acid transport protein, is crucial for lipid metabolism and signaling. CD36 is known to function in myogenic differentiation, and whether it affects the proliferation of skeletal muscle...	pmid:36111143 pmc:PMC9468905 doi:10.3389/fphys.2022.947325	Fri, 16 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
94	pubmed:36111167	ZFP36 Inhibits Tumor Progression of Human Prostate Cancer by Targeting CDK6 and Oxidative Stress	Dongbo Yuan Yinyi Fang Weiming Chen Kehua Jiang Guohua Zhu Wei Wang Wei Zhang Ganhua You Zhenyu Jia Jianguo Zhu	CONCLUSIONS: In PCa, ZFP36 might be a tumor suppressor that regulated growth, invasion, and migration of PCa cells. The lately discovered ZFP36-CDK6 axis demonstrated the molecular mechanism of PCa progression to a certain extent which might act as a new possible therapeutic target of PCa therapy.	pmid:36111167 pmc:PMC9470309 doi:10.1155/2022/3611540	Fri, 16 Sep 2022 06:00:00 -0400
95	pubmed:36111206	Cytotoxicity and Antibacterial Activity of Mineral Trioxide Aggregate Cement with Radiopacity Introduced by ZrO₂	Lidia Cioek Zbigniew Jaegermann Ewa Zaczyska Anna Czarny Monika Biernat Arkadiusz Gsiski Agnieszka Jastrzbska Micha Gloc Andrzej Olszyna	The article presents the results of in vitro studies on cytotoxicity and antibacterial activity of new MTA-type cements, developed on the basis of the sintered tricalcium silicate enriched with ZnO, along with an agent introducing the radiopacity in the form of ZrO(2). The new materials have been developed to ensure that their physical and chemical properties are suited for endodontic applications. The cements were evaluated via characterisation of setting time, compressive strength, as well as...	pmid:36111206 pmc:PMC9470359 doi:10.1155/2022/9574245	Fri, 16 Sep 2022 06:00:00 -0400
96	pubmed:36111273	Precocious Puberty in a Boy With Bilateral Leydig Cell Tumors due to a Somatic Gain-of-Function <i>LHCGR</i> Variant	Chelsi Flippo Vipula Kolli Melissa Andrew Seth Berger Tricia Bhatti Alison M Boyce Daniel Casella Michael T Collins Emmanuèle Délot Joseph Devaney Stephen M Hewitt Thomas Kolon Ashwini Mallappa Perrin C White Deborah P Merke Andrew Dauber	CONCLUSION: We report a young boy with severe gonadotropin-independent precocious puberty beginning in infancy who developed bilateral diffuse Leydig cell tumors at age 5 years due to a somatic gain-of-function p.Asp578His variant in LHCGR. The gain-of-function nature of the LHCGR variant and the developmental timing of the somatic mutation likely play a role in the risk of tumor formation. Abiraterone (a CYP17A1 inhibitor), in combination with an antiandrogen, aromatase inhibitor, and...	pmid:36111273 pmc:PMC9469925 doi:10.1210/jendso/bvac127	Fri, 16 Sep 2022 06:00:00 -0400
97	pubmed:36111314	DOTAREM (DOTA)-Gold-Nanoparticles: Design, Spectroscopic Evaluation to Build Hybrid Contrast Agents to Applications in Nanomedecine	Memona Khan Hui Liu Pasquale Sacco Eleonora Marsich Xiaowu Li Nadia Djaker Jolanda Spadavecchia	CONCLUSION: We proved that DOTA IN-CTL AuNPs have several advantages: i) Biological efficacy on three cell lines: MIA PaCa-2 (human pancreatic cancer cell line), TIB-75 (murine liver cell line) and KKU-M213 (choleangiocarcinoma cell line); ii) high stability, and no-toxicity; iii) high efficiency as a PPT agent. The study conducted on MRI in vitro and in vivo models will be suitable for diagnosis and therapy.	pmid:36111314 pmc:PMC9469803 doi:10.2147/IJN.S368458	Fri, 16 Sep 2022 06:00:00 -0400
98	pubmed:36111316	Photopolymerized 3D Printing Scaffolds with Pt(IV) Prodrug Initiator for Postsurgical Tumor Treatment	Qingfei Zhang Xiaocheng Wang Gaizhen Kuang Yunru Yu Yuanjin Zhao	Biomedical scaffolds have shown great success in postsurgical tumor treatment; their current efforts are focusing on eradicating residual tumor cells and circulating tumor cells and simultaneously repairing postoperative tissue defects. Herein, we report a novel photopolymerized 3D scaffold with Pt(IV) prodrug initiator to achieve the desired features for tumor comprehensive therapy. The Pt-GelMA scaffold was fabricated from the microfluidic 3D printing of methacrylate gelatin (GelMA) bioinks...	pmid:36111316 pmc:PMC9448443 doi:10.34133/2022/9784510	Fri, 16 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
99	pubmed:36111339	Skeletal muscle oxidative stress and inflammation in aging: Focus on antioxidant and anti-inflammatory therapy	Mingming Chen Yiyi Wang Shoulong Deng Zhengxing Lian Kun Yu	With aging, the progressive loss of skeletal muscle will have negative effect on multiple physiological parameters, such as exercise, respiration, thermoregulation, and metabolic homeostasis. Accumulating evidence reveals that oxidative stress and inflammation are the main pathological characteristics of skeletal muscle during aging. Here, we focus on aging-related sarcopenia, summarize the relationship between aging and sarcopenia, and elaborate on aging-mediated oxidative stress and oxidative...	pmid:36111339 pmc:PMC9470179 doi:10.3389/fcell.2022.964130	Fri, 16 Sep 2022 06:00:00 -0400
100	pubmed:36111346	The pathophysiological mechanisms underlying diabetic retinopathy	Lindan Wei Xin Sun Chenxi Fan Rongli Li Shuanglong Zhou Hongsong Yu	Diabetic retinopathy (DR) is the most common complication of diabetes mellitus (DM), which can lead to visual impairment and even blindness in severe cases. DR is generally considered to be a microvascular disease but its pathogenesis is still unclear. A large body of evidence shows that the development of DR is not determined by a single factor but rather by multiple related mechanisms that lead to different degrees of retinal damage in DR patients. Therefore, this article briefly reviews the...	pmid:36111346 pmc:PMC9468825 doi:10.3389/fcell.2022.963615	Fri, 16 Sep 2022 06:00:00 -0400
101	pubmed:36111391	Daratumumab plus lenalidomide, bortezomib and dexamethasone in newly diagnosed multiple myeloma: Analysis of vascular thrombotic events in the GRIFFIN study	Douglas W Sborov Muhamed Baljevic Brandi Reeves Jacob Laubach Yvonne A Efebera Cesar Rodriguez Luciano J Costa Ajai Chari Rebecca Silberman Sarah A Holstein Larry D Anderson Jonathan L Kaufman Nina Shah Huiling Pei Sharmila Patel Annelore Cortoos J Blake Bartlett Jessica Vermeulen Thomas S Lin Peter M Voorhees Paul G Richardson	Patients with multiple myeloma are at increased risk of vascular thromboembolic events (VTEs). This post hoc analysis evaluated VTEs in the randomised phase 2 GRIFFIN study (ClinicalTrials.gov Identifier: NCT02874742) that investigated lenalidomide/bortezomib/dexamethasone (RVd) ± daratumumab (D). Patients with newly diagnosed multiple myeloma who were eligible for autologous stem cell transplantation (ASCT) received D-RVd/RVd induction, high-dose therapy and ASCT, D-RVd/RVd consolidation and up...	pmid:36111391 doi:10.1111/bjh.18432	Fri, 16 Sep 2022 06:00:00 -0400
102	pubmed:36111393	Treatment of non-metastatic castration-resistant prostate cancer: facing age-related comorbidities and drug-drug interactions	David Conde-Estévez Iván Henríquez Jesús Muñoz-Rodríguez Alejo Rodríguez-Vida	INTRODUCTION: Patients with non-metastatic castration-resistant prostate cancer (nmCRPC) are frequently poly-medicated due to age-related and androgen deprivation therapy (ADT)-derived comorbidities. In high-risk patients, androgen receptor inhibitors (ARIs) have shown to delay disease progression; however, drug-drug interactions (DDIs) with preexisting medications may impact the therapeutic effect and safety of these and of the ARIs themselves.	pmid:36111393 doi:10.1080/17425255.2022.2122812	Fri, 16 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
103	pubmed:36111402	Space Is the Place: Mapping the Cell-Cell Interactions That Predict Immunotherapy Responses in Melanoma	Inna Smalley Keiran S M Smalley	Although immune checkpoint inhibition (ICI) has revolutionized the treatment of advanced melanoma, reliable predictive biomarkers are still lacking. In this issue of Cancer Research, Antoranz and colleagues used RNA sequencing and multiplexed IHC to study the spatial immune landscape of pretreatment melanoma specimens from patients who either responded or did not respond to antiprogrammed death protein 1 (PD-1) therapy. The authors identified the spatial interaction between cytotoxic T cells and...	pmid:36111402 doi:10.1158/0008-5472.CAN-22-2192	Fri, 16 Sep 2022 06:00:00 -0400
104	pubmed:36111473	Effectiveness evaluation of three-dimensional printed titanium-alloy prosthesis reconstruction after distal tibia tumor segment resection	Guoxin Qu Chunlei Zhang Jiaqiang Wang Weitao Yao Xin Wang Peng Zhang	CONCLUSION: Using 3D printed titanium-alloy prosthesis and tibiotalar joint fusion to reconstruct the bone defect after distal tibia tumor segment resection has satisfactory mechanical stability and function, and is one of the effective distal tibial limb salvage methods.	pmid:36111473 doi:10.7507/1002-1892.202205015	Fri, 16 Sep 2022 06:00:00 -0400
105	pubmed:36111489	Intratumor heterogeneity of cancer stem cellrelated genes and their potential regulatory microRNAs in metastasizing colorectal carcinoma	Kristian Urh Nina Zidar Aleš Tomažič Emanuela Boštjani	Intratumor heterogeneity (ITH) is related to cancer progression, therapy resistance and recurrences, and is one of the challenging fields in cancerogenesis research. Cancer stem cells (CSC) are thought to be crucially involved in the pathogenesis of several cancer types, including colorectal carcinoma (CRC), and associated with ITH. In the present study, the expression gradient of four genes related to CSC (L1TD1, SLITRK6, ST6GALNAC1 and TCEA3) and their potential regulatory microRNAs (miRNAs)...	pmid:36111489 doi:10.3892/or.2022.8408	Fri, 16 Sep 2022 06:00:00 -0400
106	pubmed:36111508	[Corrigendum] miR370 regulates cell proliferation and migration by targeting EGFR in gastric cancer	Tao Ning Haiyang Zhang Xinyi Wang Shuang Li Le Zhang Ting Deng Likun Zhou Rui Liu Xia Wang Ming Bai Shaohua Ge Hongli Li Dingzhi Huang Guoguang Ying Yi Ba	Subsequently to the publication of the above paper, the authors have drawn to the Editors' attention that an error was made during the assembly of Fig. 2C. Essentially, the image selected to represent the PCDNA EGFR group was erroneously selected from those for the mimics NC group. This error arose inadvertently as a consequence of multiple original pictures being opened simultaneously during the process of collating the data. The corrected version of Fig. 2 is shown on the next page. Note that...	pmid:36111508 doi:10.3892/or.2022.8409	Fri, 16 Sep 2022 06:00:00 -0400
107	pubmed:36111530	The Association between Comorbidities and COVID-19 Hospitalization among People with HIV differs by Age	Caitlin A Moran Nora T Oliver Brittany Szabo Lauren F Collins Minh Ly T Nguyen N Sarita Shah Abeer Moanna Jonathan A Colasanti Valeria D Cantos Wendy S Armstrong Anandi N Sheth Ighovwerha Ofotokun Colleen F Kelley Vincent C Marconi Cecile D Lahiri	CONCLUSION: Comorbidity burden is more strongly associated with COVID-19 hospitalization among older, rather than younger, PWH. These findings may have important implications for risk-stratifying COVID-19 therapies and booster recommendations in PWH.	pmid:36111530 doi:10.1097/QAD.0000000000003386	Fri, 16 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
108	pubmed:36111573	Development and application of bionic systems consisting of tumor-cell membranes	Tianjiao Peng Jun Yao	Malignant tumors pose a serious threat to human health but during the past decade, great progress has been made in the treatment of tumors. The tumor-cell membrane is well constructed and can be used to solve problems in tumor therapy. Tumor-cell membranes exhibit not only high biocompatibility due to their homology but also enhanced therapeutic effects when combined with nanotechnology. Meanwhile, nanomaterials show high selectivity, sensitivity, and clinical transformation potential. Enhanced...	pmid:36111573 doi:10.1631/jzus.B2200156	Fri, 16 Sep 2022 06:00:00 -0400
109	pubmed:36111694	Point-of-care CAR T-cell therapy as salvage strategy for out-of-specification tisagenlecleucel	Shalev Fried Roni Shouval Nira Varda-Bloom Michal J Besser Ronit Yerushalmi Noga Shem-Tov Ivetta Danylesko Elad Jacoby Shlomit Teihman Orit Itzhaki Joshua A Fein Meirav Kedmi Avichai Shimoni Arnon Nagler Abraham Avigdor	Tisagenlecleucel (tisa-cel) is an anti-CD19 chimeric antigen receptor (CAR) T-cell therapy approved for patients with relapsed/refractory large B-cell lymphoma. Outcomes of patients with out-of-commercial specification (OOS) CAR T products are not well characterized. We therefore assessed 37 adult patients who underwent leukapheresis for tisa-cel therapy in a single center. In nine (24%) patients, manufactured tisa-cel was considered OOS. Three of them (33%) received tisa-cel after institutional...	pmid:36111694 doi:10.1080/10428194.2022.2123232	Fri, 16 Sep 2022 06:00:00 -0400
110	pubmed:36111743	ACACB is a novel metabolism-related biomarker in the prediction of response to cetuximab therapy inmetastatic colorectal cancer	Hi-Ju Hong Yanfei Shao Sen Zhang Guang Yang Hongtao Jia Xiao Yang Ling Huang Shuchun Li Batuer Aikemu Luyang Zhang Junjun Ma Lu Zang Jing Sun Minhua Zheng	Cetuximab is one of the most valuable targeted therapy monoclonal antibodies in the treatment of metastatic colorectal cancer (CRC). However, the mechanisms affecting cetuximab resistance in CRC treatment remain unclear. Metabolism, especially fatty acid metabolism, has been reported to play an important role in tumor treatment. The correlation between cetuximab resistance and metabolism and whether it can be a new biomarker to evaluate the sensitivity of cetuximab in CRC treatment still need to...	pmid:36111743 doi:10.3724/abbs.2022121	Fri, 16 Sep 2022 06:00:00 -0400
111	pubmed:36111754	Characteristics of BAY 2599023 in the Current Treatment Landscape of Hemophilia A Gene Therapy	Steven W Pipe Valder R Arruda Claudia Lange Stephen Kitchen Hermann Eichler Samuel Wadsworth	Hemophilia A, a single gene disorder leading to deficient Factor VIII (FVIII), is a suitable candidate for gene therapy. The aspiration is for single administration of a genetic therapy that would allow production of endogenous FVIII sufficient to restore hemostasis and other biological processes. This would potentially result in reliable protection from bleeding, and its associated physical and emotional impacts. Gene therapy offers the possibility of a clinically relevant improvement in...	pmid:36111754 doi:10.2174/1566523222666220914105729	Fri, 16 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
112	pubmed:36111780	Photonic hyperthermia of malignant peripheral nerve sheath tumors at the third near-infrared biowindow	Yihui Gu Zhichao Wang Chengjiang Wei Yuehua Li Wei Feng Wei Wang Meiqi Chang Yu Chen Qingfeng Li	Malignant peripheral nerve sheath tumors (MPNSTs), as typical aggressive sarcomas, typically carry a dismal prognosis. Given the insensitivity of these tumors to traditional chemotherapy and the absence of effective targeted drugs, new therapeutic strategies for efficient MPNSTs treatment are urgently needed. Recently, photothermal therapy (PTT) has demonstrated significant potential in cancer theranostics due to its minimally invasive nature and excellent therapeutic outcomes. However, the...	pmid:36111780 doi:10.7554/eLife.75473	Fri, 16 Sep 2022 06:00:00 -0400
113	pubmed:36111850	Metastasectomy in renal cell carcinoma: where are we now?	Alexander Lloyd Fairleigh Reeves Yasmin Abu-Ghanem Ben Challacombe	PURPOSE OF REVIEW: Metastatic RCC has a variable natural history. Treatment choice depends on disease and patient factors, but most importantly disease burden and site of metastasis. This article highlights key variables to consider when contemplating metastasectomy for RCC and provide a narrative review on the evidence for metastasectomy in these patients.	pmid:36111850 doi:10.1097/MOU.0000000000001042	Fri, 16 Sep 2022 06:00:00 -0400
114	pubmed:36111962	A century long journey from the discovery of insulin to the implantation of stem cell derived islets	Adam Ramzy Paul J Belmonte Mitchell J S Braam Shogo Ida Emily M Wilts Megan K Levings Alireza Rezania Timothy J Kieffer	For the past century, insulin injections have saved millions of lives, but glycemic instability is still a persistent challenge for people with diabetes, leading to tremendous morbidity and premature mortality. Research in the field of islet transplantation has demonstrated that replacing insulin-producing -cells can restore euglycemia comparable to individuals without diabetes. However, a short supply of cadaveric islet donors, the technically challenging process of isolating islets, and the...	pmid:36111962 doi:10.1210/endrev/bnac021	Fri, 16 Sep 2022 06:00:00 -0400
115	pubmed:36111979	Proteomic mapping and optogenetic manipulation of membrane contact sites	Gang Lin Wenyi Shi Ningxia Zhang Yi-Tsang Lee Youjun Wang Ji Jing	Membrane contact sites (MCSs) mediate crucial physiological processes in eukaryotic cells, including ion signaling, lipid metabolism, and autophagy. Dysregulation of MCSs is closely related to various diseases, such as type 2 diabetes mellitus (T2DM), neurodegenerative diseases, and cancers. Visualization, proteomic mapping and manipulation of MCSs may help the dissection of the physiology and pathology MCSs. Recent technical advances have enabled better understanding of the dynamics and...	pmid:36111979 doi:10.1042/BCJ20220382	Fri, 16 Sep 2022 06:00:00 -0400
116	pubmed:36111980	Hypoxic bone marrow mesenchymal stromal cells-derived exosomal miR-182-5p promotes liver regeneration via FOXO1-mediated macrophage polarization	Jing Xu Peng Chen Chaoqun Yu Qiangqiang Shi Susu Wei Yaxin Li Hongzhao Qi Qilong Cao Chuanlong Guo Xianggen Wu Guohu Di	Mesenchymal stromal cells (MSCs) are attractive candidates for treating hepatic disorders given their potential to enhance liver regeneration and function. The paracrine paradigm may be involved in the mechanism of MSC-based therapy, and exosomes (Exo) play an important role in this paracrine activity. Hypoxia significantly improves the effectiveness of MSC transplantation. However, whether hypoxia preconditioned MSCs (Hp-MSCs) can enhance liver regeneration, and whether this enhancement is...	pmid:36111980 doi:10.1096/fj.202101868RRR	Fri, 16 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
117	pubmed:36111987	The effects of RNA methylation on immune cells development and function	Ling-Feng Zha Jing-Lin Wang Xiang Cheng	Among the more than 170 known RNA modifications, methylation modification is the most frequent and well-studied. Depending on where the methylation occurs, RNA methylation can be classified as N -methyladenosine, N ¹ -methyladenosine, 5-methylcytosine, N -methylguanosine, and others. The methylation of RNA is constantly and dynamically modified in the complex microenvironment by methyltransferases, demethylases, and methylation reading proteins. These changes affect the proliferation and...	pmid:36111987 doi:10.1096/fj.202200716R	Fri, 16 Sep 2022 06:00:00 -0400
118	pubmed:36112075	A prospective observational study to sequentially determine the dermoscopic features of vitiligo and its association with disease activity in patients on medical treatment	Priyansh Gupta Keshavamurthy Vinay Anuradha Bishnoi Muthu Sendhil Kumaran Davinder Parsad	CONCLUSIONS: Sequential dermoscopy is useful to assess disease activity and potential for repigmentation in localized vitiligo.	pmid:36112075 doi:10.1111/pcmr.13069	Fri, 16 Sep 2022 06:00:00 -0400
119	pubmed:36112106	A targeted hydrodynamic gold nanorod delivery system based on gigahertz acoustic streaming	Shan He Wei Pang Xiaoyu Wu Yang Yang Wenjun Li Hang Qi Chongling Sun Xuexin Duan Yanyan Wang	The hydrodynamic method mimics the in vivo environment of the mechanical effect on cell stimulation, which not only modulates cell physiology but also shows excellent intracellular delivery ability. Herein, a hydrodynamic intracellular delivery system based on the gigahertz acoustic streaming (AS) effect is proposed, which presents powerful targeted delivery capabilities with high efficiency and universality. Results indicate that the range of cells with AuNR introduction is related to that of...	pmid:36112106 doi:10.1039/d2nr03222h	Fri, 16 Sep 2022 06:00:00 -0400
120	pubmed:36112113	ROS generation strategy based on biomimetic nanosheets by self-assembly of nanozymes	Pinghua Ling Pei Yang Xianping Gao Xinyu Sun Feng Gao	Reactive oxygen species (ROS) play an important role in physiology and have been applied in tumor therapy. However, insufficient endogenous H(2)O(2) and hypoxia in cancer cells can lead to limited ROS production and poor therapeutic efficacy. Herein, we develop a biomimetic nanosheet material based on the self-assembly of nanozymes that could supply H(2)O(2) under acidic conditions and catalyze a cascade of intracellular biochemical reactions to produce ROS under both normoxic and hypoxic...	pmid:36112113 doi:10.1039/d2tb01639g	Fri, 16 Sep 2022 06:00:00 -0400
121	pubmed:36112238	Epigallocatechin-3-gallate inhibits the formation of neutrophil extracellular traps and suppresses the migration and invasion of colon cancer cells by regulating STAT3/CXCL8 pathway	Zhuoxian Zhang Qiuli Zhu Siya Wang Chao Shi	Colon cancer is a common malignant tumor of the digestive tract. Tea catechin exerts anti-tumor effects in colon cancer. This work aimed to determine the functions of epigallocatechin-3-gallate (EGCG), one of the main active components of Tea catechins, in the progression of colon cancer. In this work, enzyme-linked immune-sorbent assay, quantitative real-time PCR and western blotting was utilized to examine the levels of IL-1, TNF-, STAT3, p-STAT3 and CXCL8 in colon cancer patients and...	pmid:36112238 doi:10.1007/s11010-022-04550-w	Fri, 16 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
122	pubmed:36112249	Adoptive Cellular Therapy for Metastatic Melanoma: The Road to Commercialization and Treatment Guidelines for Clinicians	Keshav Kooragayala Johanna Lou Young K Hong	Adoptive cell therapy (ACT) using tumor-infiltrating lymphocytes (TILs) has been gaining promise as a therapeutic option for metastatic melanoma. By harnessing the power of patients' tumor-resident lymphocytes, TIL therapy has shown promise in delivering durable, complete responses for patients who have progressed with other treatments, including checkpoint inhibition. This form of personalized medicine has traditionally been limited to select academic facilities with the infrastructure and...	pmid:36112249 doi:10.1245/s10434-022-12528-7	Fri, 16 Sep 2022 06:00:00 -0400
123	pubmed:36112254	Stem Cells and Natural Agents in the Management of Neurodegenerative Diseases: A New Approach	Aranka Brockmueller Negin Mahmoudi Amir Kian Movaeeni Anna-Lena Mueller Abdol-Mohammad Kajbafzadeh Mehdi Shakibaei Masoumeh Majidi Zolbin	Neurodegenerative diseases refer to a group of neurological disorders as a consequence of various destructive illnesses, that predominantly impact neurons in the central nervous system, resulting in impairments in certain brain functions. Alzheimer's disease, Parkinson's disease, Huntington's disease, multiple sclerosis, and other neurodegenerative disorders represent a major risk to human health. In order to optimize structural and functional recovery, reconstructive methods integrate many...	pmid:36112254 doi:10.1007/s11064-022-03746-2	Fri, 16 Sep 2022 06:00:00 -0400
124	pubmed:36112262	Oxygen toxicity: cellular mechanisms in normobaric hyperoxia	Ricardo Alva Maha Mirza Adam Baiton Lucas Lazuran Lyuda Samokysh Ava Bobinski Cale Cowan Alvin Jaimon Dede Obioru Tala Al Makhoul Jeffrey A Stuart	In clinical settings, oxygen therapy is administered to preterm neonates and to adults with acute and chronic conditions such as COVID-19, pulmonary fibrosis, sepsis, cardiac arrest, carbon monoxide poisoning, and acute heart failure. In non-clinical settings, divers and astronauts may also receive supplemental oxygen. In addition, under current standard cell culture practices, cells are maintained in atmospheric oxygen, which is several times higher than what most cells experience in vivo. In...	pmid:36112262 doi:10.1007/s10565-022-09773-7	Fri, 16 Sep 2022 06:00:00 -0400
125	pubmed:36112263	Fbxo22 inhibits metastasis in triple-negative breast cancer through ubiquitin modification of KDM5A and regulation of H3K4me3 demethylation	Siqiaozhi Li Jinsong He Xin Liao Yixuan He Rui Chen Junhui Chen Sean Hu Jia Sun	The importance of Fbxo22 in carcinogenesis has been highly documented. Here, we discussed downstream regulatory factors of Fbxo22 in TNBC. RNA-sequencing was conducted for identifying differentially expressed genes, followed by construction of a regulatory network. Expression patterns of Fbxo22/KDM5A in TNBC were determined by their correlation with the prognosis analyzed. Then, regulation mechanisms between Fbxo22 and KDM5A as well as between KDM5A and H3K4me3 were assayed. After silencing and...	pmid:36112263 doi:10.1007/s10565-022-09754-w	Fri, 16 Sep 2022 06:00:00 -0400
126	pubmed:36112305	Regulatory Environment and Approvals in Cell and Gene Therapy Products Between Japan, the USA, and the EU	Yuya Sato Shunsuke Ono	CONCLUSION: Our study showed differences of regulations on CGT products and of features in approved products as well as the trend of their home market entries, which may have been driven by a different context than that of traditional pharmaceuticals.	pmid:36112305 doi:10.1007/s43441-022-00455-4	Fri, 16 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
127	pubmed:36112410	Molecular analysis and favorable clinical outcomes in real-world patients with metastatic renal cell carcinoma	Frede Donskov Cathy Anne Pinto Raluca Predoiu Claire Fox Jeanette Baehr Georgsen Katrine Skaarup Mehmet Burcu Rodolfo Perini Torben Steiniche	CONCLUSION: Data pointed at PD-L1 IHC and angiogenesis expression in ccRCC and hypoxia, glycolysis, and angiogenesis expression in nccRCC as potential prognostic factors. These findings may have implications for the design and interpretation of advanced RCC trials and to identify potential targets for combination therapy strategies.	pmid:36112410 doi:10.1080/0284186X.2022.2119100	Fri, 16 Sep 2022 06:00:00 -0400
128	pubmed:36112430	Phenomenological Approach to Cancer Cell Persistence	David A Kessler Herbert Levine	Drug persistence is a phenomenon by which a small percentage of cancer cells survive the presentation of targeted therapy by transitioning to a quiescent state. Eventually some of these persister cells can transition back to an active growing state and give rise to resistant tumors. Here we introduce a quantitative genetics approach to drug-exposed populations of cancer cells in order to interpret recent experimental data regarding inheritance of persister probability. Our results indicate that...	pmid:36112430 doi:10.1103/PhysRevLett.129.108101	Fri, 16 Sep 2022 06:00:00 -0400
129	pubmed:36112541	FDA Approval Summary: Mobocertinib for Metastatic Non-Small Cell Lung Cancer with EGFR Exon 20 Insertion Mutations	Elizabeth S Duke Liza Stapleford Nicole Drezner Anup K Amatya Pallavi S Mishra-Kalyani Yuan Li Shen Kimberly Maxfield Jeanne Fourie Zirkelbach Youwei Bi Jiang Liu Xinyuan Zhang Hezhen Wang Yuching Yang Nan Zheng Kelie Reece Emily Wearne Jacqueline J Glen Idara Ojofeitimi Barbara Scepura Abhilasha Nair Rama Kamesh Bikkavilli Soma Ghosh Reena Philip Richard Pazdur Julia A Beaver Harpreet Singh Martha Donoghue	On September 15, 2021, the U.S. Food and Drug Administration (FDA) granted accelerated approval to mobocertinib (Exkvity, Takeda Pharmaceuticals USA, Inc.) for the treatment of adult patients with locally advanced or metastatic non-small cell lung cancer (NSCLC) with epidermal growth factor receptor (EGFR) exon 20 insertion mutations, as detected by an FDA-approved test, whose disease has progressed on or after platinum-based chemotherapy. The approval was based on data from Study...	pmid:36112541 doi:10.1158/1078-0432.CCR-22-2072	Fri, 16 Sep 2022 06:00:00 -0400
130	pubmed:36112545	Pilot study of ONCOS-102 and pembrolizumab: remodeling of the tumor micro-environment and clinical outcomes in anti-PD1-resistant advanced melanoma	Alexander Shoushtari Anthony J Olszanski Marta Nyakas Thomas J Hornyak Jedd D Wolchok Victor Levitsky Lukasz Kuryk Thomas B Hansen Magnus Jäderberg	CONCLUSIONS: ONCOS-102 plus pembrolizumab was well tolerated and led to objective responses in patients with anti-PD-1 resistant advanced melanoma. ONCOS-102 promoted T-cell infiltration, particularly cytotoxic CD8+ T cells, which persisted at Week 9, driving clinical benefit. Further investigation of ONCOS-102 plus PD-1 blockade is warranted.	pmid:36112545 doi:10.1158/1078-0432.CCR-22-2046	Fri, 16 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
131	pubmed:36112691	Deep learning reveals predictive sequence concepts within immune repertoires to immunotherapy	John-William Sidhom Giacomo Oliveira Petra Ross-MacDonald Megan Wind-Rotolo Catherine J Wu Drew M Pardoll Alexander S Baras	T cell receptor (TCR) sequencing has been used to characterize the immune response to cancer. However, most analyses have been restricted to quantitative measures such as clonality that do not leverage the complementarity-determining region 3 (CDR3) sequence. We use DeepTCR, a framework of deep learning algorithms, to reveal sequence concepts that are predictive of response to immunotherapy. We demonstrate that DeepTCR can predict response and use the model to infer the antigenic specificities...	pmid:36112691 doi:10.1126/sciadv.abq5089	Fri, 16 Sep 2022 06:00:00 -0400
132	pubmed:36112771	BT8009; a Nectin-4 targeting Bicycle® Toxin Conjugate for treatment of solid tumors	Michael Rigby Gavin Bennett Liuhong Chen Gemma E Mudd Helen Harrison Paul J Beswick Katerine van Rietschoten Sophie M Watcham Heather S Scott Amy N Brown Peter U Park Carly Campbell Eric Haines Johanna Lahdenranta Michael J Skynner Phil Jeffrey Nicholas Keen Kevin Lee	Multiple tumor types overexpress Nectin-4 and the Antibody Drug Conjugate (ADC), enfortumab vedotin (EV) shows striking efficacy in clinical trials for metastatic urothelial cancer, which expresses high levels of Nectin-4, validating Nectin-4 as a clinical target for toxin delivery in this indication. Despite excellent data in urothelial cancer, little efficacy data is reported for EV in other Nectin-4 expressing tumors and EV therapy can produce significant toxicities in many patients,...	pmid:36112771 doi:10.1158/1535-7163.MCT-21-0875	Fri, 16 Sep 2022 06:00:00 -0400
133	pubmed:36112830	The Direct to Consumer Stem Cell Market and the Role of Primary Care Providers in Correcting Misinformation	Jennifer R Arthurs Charlene M Martin Lillie Zubin Master Shane A Shapiro	CONCLUSION: Effectively communicating risk information by primary care providers to patients is important given the harms reported from direct-to-consumer SCRI's. Correcting misinformation remains a priority when discussing SCRI's. Providers should strive to offer patients with additional resources such as the opportunity for consultation with a specialist or a consultation service dedicated to informing patients about regenerative medicine.	pmid:36112830 doi:10.1177/21501319221121460	Fri, 16 Sep 2022 06:00:00 -0400
134	pubmed:36112902	UCHL1 Impairs Periodontal Ligament Stem Cell Osteogenesis in Periodontitis	L Lin S Li S Hu W Yu B Jiang C Mao G Li R Yang X Miao M Jin Y Gu E Lu	Periodontitis comprises a series of inflammatory responses resulting in alveolar bone loss. The suppression of osteogenesis of periodontal ligament stem cells (PDLSCs) by inflammation is responsible for impaired alveolar bone regeneration, which remains an ongoing challenge for periodontitis therapy. Ubiquitin C-terminal hydrolase L1 (UCHL1) belongs to the family of deubiquitinating enzymes, which was found to play roles in inflammation previously. In this study, the upregulation of UCHL1 was...	pmid:36112902 doi:10.1177/00220345221116031	Fri, 16 Sep 2022 06:00:00 -0400
135	pubmed:36112905	Combination of available topical beta-blockers and antibiotic ointment for epidermal growth factor receptor tyrosine kinase inhibitor-induced paronychia and pseudopyogenic granulomas in Taiwan	Hui-Lin Liu Cheng-Hao Chuang Chin-Ling Chen Po-Ju Wei Chih-Jen Yang	CONCLUSION: We presented an occlusion method using available topical beta-blockers and antibiotic ointment for EGFR-TKI-induced paronychia and PG in Taiwan. The result is favorable. Further randomized control trial is urgent to validate our findings.	pmid:36112905 doi:10.1177/10781552221122051	Fri, 16 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
136	pubmed:36112982	Biopolymer gels as components of protective medium for cryopreservation of spermatogonial stem cells	Nataliia Volkova Mariia Yukhta Lyudmyla Stepaniuk Larisa Sokil Lyudmyla Chernyshenko Anatoliy Goltsev	Biopolymer gels attract a lot of attention in a field of biotechnology due to their excellent compatibility and degradation. Their application is also promising for cryopreservation of spermatogonial stem cells (SSCs) which is so necessary to preserve the fertility of young patients. The aim of the study was to determine the effectiveness of biopolymer gels as a component of cryopreservation medium for SSCs of immature rats at the stage of exposure to cryoprotectants. It was found that 30-min...	pmid:36112982 doi:10.1177/08853282221126784	Fri, 16 Sep 2022 06:00:00 -0400