

cell therapy

NCT Number		Title	Authors	Description	Identifier	Dates
1	pubmed:36126409	Combination of apatinib with apo-IDO1 inhibitor for the treatment of colorectal cancer	Longbo Yu Yuanyuan Wang Yingxue He Haiqing Zhong Shushan Ge Yi Zou Yisheng Lai Qiang Xu Jian Gao Wen Liu Wenjie Guo	Colorectal cancer (CRC) is the third most common cancer in the world. Recently, many clinical studies have demonstrated the therapeutic potential of immune checkpoint therapy combined with inhibitors of vascular endothelial growth factor receptor 2 (VEGFR2) in colon cancer. Compound B37, identified in our previous experiment, is an apo-form indoleamine-2,3-dioxygenase 1 inhibitor (apo-IDO1 inhibitor), which has been shown to significantly suppress tumor growth combined with an anti-PD1 antibody....	pmid:36126409 doi:10.1016/j.intimp.2022.109233	Tue, 20 Sep 2022 06:00:00 -0400
2	pubmed:36126453	Wnt/-catenin targeting in liver carcinoma through nanotechnology-based drug repurposing: A review	Priyadarshini Mohapatra Natarajan Chandrasekaran	Liver cancer is the fifth most widespread in the world, with a high fatality rate and poor prognosis.However,surgicalresction,thermal/radiofrequencyablation,chemo/radioembolizati on and pathway targeting to the cancer cells are all possible options for treating Liver Carcinoma. Unfortunately, once the tumour has developed and spread, diagnosis often occurs too late. The targeted therapy has demonstrated notable, albeit modest, efficacy in some patients with advanced HCC. This demonstrates the...	pmid:36126453 doi:10.1016/j.biopha.2022.113713	Tue, 20 Sep 2022 06:00:00 -0400
3	pubmed:36126544	New insights into the antiviral activity of nordihydroguaiaretic acid: Inhibition of dengue virus serotype 1 replication	Florencia Martinez Lucia Maria Ghietto Giuliana Lingua M Laura Mugas J Javier Aguilar Pedro Gil M Belén Pisano Juliana Marioni María Gabriela Paglini Marta S Contigiani Susana C Núñez-Montoya Brenda S Konigheim	CONCLUSION: The present work contributes to the knowledge of NDGA activity on DENV. We describe its activity on DENV1, a serotype different to those that have been already reported. Moreover, we provide evidence on which stage/s of the viral replication cycle NDGA exerts its effects. We suggest that the mechanism of action of NDGA on DENV1 is related to its lysosomotropic effect, which inhibits the viral uncoating process.	pmid:36126544 doi:10.1016/j.phymed.2022.154424	Tue, 20 Sep 2022 06:00:00 -0400
4	pubmed:36126642	Oral mucositis on a chip: modeling induction by chemo- and radiation treatments and recovery	Khanh Ly Xiaolong Luo Christopher B Raub	Oral mucositis (OM) is a debilitating complication affecting roughly 70% of head and neck cancer patients receiving chemotherapy and/or radiation treatment. No broadly effective preventative treatment for OM exists. Therefore, an in vitro model of cancer treatment-induced OM would aid studies into possible origins of the pathology and future drug targets to ameliorate it. In this study, we present a microfluidic oral mucosa triculture tissue construct consisting of a keratinocyte layer attached...	pmid:36126642 doi:10.1088/1758-5090/ac933b	Tue, 20 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
5	pubmed:36126723	Circular RNAs play roles in regulatory networks of cell signaling pathways in human cancers	Mansour Almouh Ehsan Razmara Amirreza Bitaraf Mohammad H Ghazimoradi Zuhair Mohammad Hassan Sadegh Babashah	AIMS: Circular RNAs (circRNAs) are endogenous covalently closed non-coding RNAs produced by reverse splicing of linear RNA. These molecules are highly expressed in mammalian cells and show cell/tissue-specific expression patterns. They are also significantly dysregulated in various cancers and function as oncogenes or tumor suppressors. Emerging evidence reveals that circRNAs contribute to cancer progression via modulating different cell signaling pathways. Nevertheless, the functional...	pmid:36126723 doi:10.1016/j.lfs.2022.120975	Tue, 20 Sep 2022 06:00:00 -0400
6	pubmed:36126724	Valproic acid regulates MIEF1 through MST2-HIPPO to suppress breast cancer growth	Shuguang Du Xuanyu Wang Ye Hu Shuxian Zhang Dan Wang Qinggao Zhang Shuangping Liu	AIMS: To determine the effects of valproic acid (VPA) on anti-proliferative effects and mitochondrial function in breast cancer cells and the underlying mechanisms involved in the effects, with a focus on signal transduction.	pmid:36126724 doi:10.1016/j.lfs.2022.120976	Tue, 20 Sep 2022 06:00:00 -0400
7	pubmed:36126785	Spray drying siRNA-lipid nanoparticles for dry powder pulmonary delivery	Christoph M Zimmermann Domizia Baldassi Karen Chan Nathan B P Adams Alina Neumann Diana Leidy Porras-Gonzalez Xin Wei Nikolaus Kneidinger Mircea Gabriel Stoleriu Gerald Burgstaller Dominik Witzigmann Paola Luciani Olivia M Merkel	While all the siRNA drugs on the market target the liver, the lungs offer a variety of currently undruggable targets which could potentially be treated with RNA therapeutics. Hence, local, pulmonary delivery of RNA nanoparticles could finally enable delivery beyond the liver. The administration of RNA drugs via dry powder inhalers offers many advantages related to physical, chemical and microbial stability of RNA and nanosuspensions. The present study was therefore designed to test the...	pmid:36126785 doi:10.1016/j.jconrel.2022.09.021	Tue, 20 Sep 2022 06:00:00 -0400
8	pubmed:36126898	Novel epigenetic therapeutic strategies and targets in cancer	Quratulain Babar Ayesha Saeed Tanveer A Tabish Sabrina Priel Helen Townley Nanasaheb Thorat	The critical role of dysregulated epigenetic pathways in cancer genesis, development, and therapy has typically been established as a result of scientific and technical innovations in next generation sequencing. RNA interference, histone modification, DNA methylation and chromatin remodelling are epigenetic processes that control gene expression without causing mutations in the DNA. Although epigenetic abnormalities are thought to be a symptom of cell tumorigenesis and malignant events that...	pmid:36126898 doi:10.1016/j.bbadis.2022.166552	Tue, 20 Sep 2022 06:00:00 -0400
9	pubmed:36127205	Current Treatment Options in Cold Agglutinin Disease: B-Cell Directed or Complement Directed Therapy?	Sigbjørn Berentsen Geir E Tjønnfjord	Two major steps are identified in the pathogenesis of cold agglutinin disease; clonal B-cell lymphoproliferation and complement-mediated hemolysis. Each of these steps constitutes a target for treatment. In this focused review, we address 2 successful therapeutic approaches; the bendamustine plus rituximab combination as a highly efficacious B-cell directed therapy and the anti-CD20 monoclonal antibody sutimlimab as the most extensively studied complement-targeting therapy. We describe and...	pmid:36127205 doi:10.1016/j.tnmrv.2022.05.001	Tue, 20 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
10	pubmed:36127221	Application of dendritic cells in tumor immunotherapy and progress in the mechanism of anti-tumor effect of Astragalus polysaccharide (APS) modulating dendritic cells: a review	Dong Wang Qian Cui Yan Jie Yang A Qing Liu Guan Zhang Jian Chun Yu	Dendritic cells (DCs) are potent antigen-presenting cells (APCs) that are essential in mediating the body's natural and adaptive immune responses. The body can regulate the function of DCs in various ways to enhance their antitumor effects. In the tumour microenvironment (TME), antigen-specific T cell responses are initiated through DC processing and delivery of tumour-associated antigens (TAAs); conversely, tumour cells inhibit DC recruitment by releasing metabolites, cytokines and other...	pmid:36127221 doi:10.1016/j.biopha.2022.113541	Tue, 20 Sep 2022 06:00:00 -0400
11	pubmed:36127263	Immunomodulatory properties of HDAC6 inhibitors in cancer diseases: New chances for sophisticated drug design and treatment optimization	Bernhard Biersack Bianca Nitzsche Michael Höpfner	Histone deacetylases (HDACs) are promising targets for the design of anticancer drugs. HDAC6 is of particular interest since it is a cytoplasmic HDAC regulating the acetylation state of cancer-relevant cytoplasmic proteins such as tubulin, Hsp90, p53, and others. HDAC6 also influences the immune system, and the combination of HDAC6 inhibitors with immune therapy showed promising anticancer results. In addition, the design of new HDAC6 inhibitors led to potent anticancer drugs with...	pmid:36127263 doi:10.1016/j.semcd.2022.09.009	Tue, 20 Sep 2022 06:00:00 -0400
12	pubmed:36127271	Belantamab in Combination with Dexamethasone in Patients with Triple-class Relapsed/Refractory Multiple Myeloma	Tahani Atieh Shebli Atrash Nausheen Ahmed Meera Mohan Wei Cui Leyla Shune Susana Hajjar Zahra Mahmoudjafari Julie Quick Anne Wishna Justin Riffel Joseph McGuirk Ghulam Rehman Mohyuddin Al-Ola Abdallah	CONCLUSION: Our analysis shows Bd has good activity in triple-class RRMM. Keratopathy remains a challenging AE and the leading cause of dose reduction, delay and treatment cessation.	pmid:36127271 doi:10.1016/j.clml.2022.08.003	Tue, 20 Sep 2022 06:00:00 -0400
13	pubmed:36127291	PFKFB4 facilitates palbociclib resistance in oestrogen receptor-positive breast cancer by enhancing stemness	Sijie Wang Yuncheng Bei Qiang Tian Jian He Rui Wang Qiuping Wang Luchen Sun Jiangqiong Ke Congying Xie Pingping Shen	CONCLUSIONS: These findings not only demonstrated the novel mechanism underlying which ER^(+) BC cells resisted to palbociclib, but also provided a possible therapeutic strategy in the intervention of ER^(+) BC to overcome drug resistance.	pmid:36127291 doi:10.1111/cpr.13337	Tue, 20 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
14	pubmed:36127295	Potent GCN2 Inhibitor Capable of Reversing MDSC-Driven T Cell Suppression Demonstrates In Vivo Efficacy as a Single Agent and in Combination with Anti-Angiogenesis Therapy	Jeffrey J Jackson Grant M Shibuya Buvana Ravishankar Lavanya Adusumilli Delia Bradford Dirk G Brockstedt Cyril Bucher Minna Bui Cynthia Cho Christoph Colas Gene Cutler Adrian Dukes Xinping Han Dennis X Hu Scott Jacobson Paul D Kassner George E Katibah Michelle Yoo Min Ko Urvi Kolhatkar Paul R Leger Anqi Ma Lisa Marshall Jack Maung Andrew Ng Akinori Okano Deepa Pookot Daniel Poon Chandru Ramana Maureen K Reilly Omar Robles Jacob B Schwarz Anton A Shakhmin Hunter P Shunatona Raashi Sreenivasan Parcharee Tivitmahaisoon Mengshu Xu Thant Zaw David J Wustrow Mikhail Zibinsky	General control nonderepressible 2 (GCN2) protein kinase is a cellular stress sensor within the tumor microenvironment (TME), whose signaling cascade has been proposed to contribute to immune escape in tumors. Herein, we report the discovery of cell-potent GCN2 inhibitors with excellent selectivity against its closely related Integrated Stress Response (ISR) family members heme-regulated inhibitor kinase (HRI), protein kinase R (PKR), and (PKR)-like endoplasmic reticulum kinase (PERK), as well...	pmid:36127295 doi:10.1021/acs.jmedchem.2c00736	Tue, 20 Sep 2022 06:00:00 -0400
15	pubmed:36127332	Regulatory mechanisms and function of hypoxia-induced long noncoding RNA NDRG1-OT1 in breast cancer cells	Hsing-Hua Chao Jun-Liang Luo Ming-Hsuan Hsu Li-Han Chen Tzu-Pin Lu Mong-Hsun Tsai Eric Y Chuang Li-Ling Chuang Liang-Chuan Lai	Hypoxia is a classic feature of the tumor microenvironment that has profound effects on cancer progression and is tightly associated with poor prognosis. Long noncoding RNAs (lncRNAs), a component of the noncoding genome, have been increasingly investigated due to their diverse roles in tumorigenesis. Previously, a hypoxia-induced lncRNA, NDRG1-OT1, was identified in MCF-7 breast cancer cells using next-generation sequencing. However, the regulatory mechanisms of NDRG1-OT1 remain elusive....	pmid:36127332 doi:10.1038/s41419-022-05253-2	Tue, 20 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
16	pubmed:36127333	Single-cell transcriptome reveals cellular hierarchies and guides p-EMT-targeted trial in skull base chordoma	Qilin Zhang Lijiang Fei Rui Han Ruofan Huang Yongfei Wang Hong Chen Boyuan Yao Nidan Qiao Zhe Wang Zengyi Ma Zhao Ye Yichao Zhang Weiwei Wang Ye Wang Lin Kong Xuefei Shou Xiaoyun Cao Xiang Zhou Ming Shen Haixia Cheng Zhenwei Yao Chao Zhang Guoji Guo Yao Zhao	Skull base chordoma (SBC) is a bone cancer with a high recurrence rate, high radioresistance rate, and poorly understood mechanism. Here, we profiled the transcriptomes of 90,691 single cells, revealed the SBC cellular hierarchies, and explored novel treatment targets. We identified a cluster of stem-like SBC cells that tended to be distributed in the inferior part of the tumor. Combining radiated UM-Chor1 RNA-seq data and in vitro validation, we further found that this stem-like cell cluster is...	pmid:36127333 doi:10.1038/s41421-022-00459-2	Tue, 20 Sep 2022 06:00:00 -0400
17	pubmed:36127342	A new K⁺channel-independent mechanism is involved in the antioxidant effect of XE-991 in an in vitro model of glucose metabolism impairment: implications for Alzheimer's disease	Silvia Piccirillo Alessandra Preziuso Salvatore Amoroso Tiziano Serfilippi Francesco Miceli Simona Magi Vincenzo Lariccia	Alzheimer's disease (AD) is a neurodegenerative disorder that represents the first cause of dementia. Although there has been significant progress in AD research, the actual mechanisms underlying this pathology remain largely unknown. There is increasing evidence that oxidative stress, metabolic alterations, and mitochondrial dysfunction are key players in the development and worsening of AD. As a result, in the past few years, remarkable attempts have been made to develop neuroprotective...	pmid:36127342 doi:10.1038/s41420-022-01187-y	Tue, 20 Sep 2022 06:00:00 -0400
18	pubmed:36127346	Fbxo22 promotes cervical cancer progression via targeting p57^{Kip2} for ubiquitination and degradation	Min Lin Jianan Zhang Hakim Bouamar Zhiwei Wang Lu-Zhe Sun Xueqiong Zhu	F-box only protein 22 (FBXO22) is a key subunit of the Skp1-Cullin 1-F-box protein (SCF) E3 ubiquitin ligase complex. Little is known regarding its biological function and underlying molecular mechanisms in regulating cervical cancer (CC) progression. In this study, we aim to explore the role and mechanism of FBXO22 in CC progression. The correlation between FBXO22 and clinicopathological characteristics of CC was analyzed by tissue microarray. MTT, colony formation, flow cytometry, Western...	pmid:36127346 doi:10.1038/s41419-022-05248-z	Tue, 20 Sep 2022 06:00:00 -0400
19	pubmed:36127384	Development and verification of an immune-related gene prognostic index for gastric cancer	Chen Zhang Tao Liu Jian Wang JianTao Zhang	Immune checkpoint inhibitor (ICI) therapy is an emerging and effective approach to the treatment of gastric cancer (GC). However, the low response rate of GC patients to ICI therapy is a major limitation of ICI therapy. We investigated the transcriptomic signature of immune genes in GC could provide a comprehensive understanding of the tumor microenvironment (TME) and identify a valuable biomarker to predict the response of GC patients receiving immunotherapy. We performed the weighted gene...	pmid:36127384 doi:10.1038/s41598-022-20007-y	Tue, 20 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
20	pubmed:36127419	Advancing T cell-based cancer therapy with single-cell technologies	Samantha L Bucktrout Nicholas E Banovich Lisa H Butterfield Cansu Cimen-Bozkus Josephine R Giles Zinaida Good Daniel Goodman Vanessa D Jonsson Caleb Lareau Alexander Marson Denna M Maurer Paul V Munson Mike Stubbington Sarah Taylor Abbey Cutchin	No abstract	pmid:36127419 doi:10.1038/s41591-022-01986-x	Tue, 20 Sep 2022 06:00:00 -0400
21	pubmed:36127427	Single cell atlas identifies lipid-processing and immunomodulatory endothelial cells in healthy and malignant breast	Vincent Geldhof Laura P M H de Rooij Liliana Sokol Jacob Amersfoort Maxim De Schepper Katerina Rohlenova Griet Hoste Adriaan Vanderstichele Anne-Marie Delsupehe Edoardo Isnaldi Naima Dai Federico Taverna Shawez Khan Anh-Co K Truong Laure-Anne Teuwen François Richard Lucas Treps Ann Smeets Ines Nevelsteen Birgit Weynand Stefan Vinckier Luc Schoonjans Joanna Kalucka Christine Desmedt Patrick Neven Massimiliano Mazzone Giuseppe Floris Kevin Punie Mieke Dewerchin Guy Eelen Hans Wildiers Xuri Li Yonglun Luo Peter Carmeliet	Since a detailed inventory of endothelial cell (EC) heterogeneity in breast cancer (BC) is lacking, here we perform single cell RNA-sequencing of 26,515 cells (including 8433 ECs) from 9 BC patients and compare them to published EC taxonomies from lung tumors. Angiogenic ECs are phenotypically similar, while other EC subtypes are different. Predictive interactome analysis reveals known but also previously unreported receptor-ligand interactions between ECs and immune cells, suggesting an...	pmid:36127427 doi:10.1038/s41467-022-33052-y	Tue, 20 Sep 2022 06:00:00 -0400
22	pubmed:36127483	Plasma autoantibodies IgG and IgM to PD1/PDL1 as potential biomarkers and risk factors of lung cancer	Jiaqi Li Man Liu Xue Zhang Longtao Ji Ting Yang Yutong Zhao Zhi Wang Feifei Liang Liping Dai	Antibodies targeting programmed cell death-1 (PD1) and its ligand (PDL1) have transformed current cancer therapy while little is known about the expression of anti-PD1/PDL1 autoantibodies between lung cancer (LC) patients and normal controls (NC). The expression level of anti-PD1/PDL1 IgG and IgM was detected in plasma of 325 LC and 324 NC by indirect enzyme-linked immune sorbent assay (ELISA). Western blot and indirect immunofluorescence (IIF) were used to verify the ELISA results. The...	pmid:36127483 doi:10.1007/s00432-022-04360-z	Tue, 20 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
23	pubmed:36127509	Impact of conditioning chemotherapy on lymphocyte kinetics and outcomes in LBCL patients treated with CAR T-cell therapy	Paolo Strati Andrew P Jallouk Ryan Sun Jaihee Choi Kaberi Das Hua-Jay Cherng Sairah Ahmed Hun J Lee Swaminathan P Iyer Ranjit Nair Loretta J Nastoupil Raphael E Steiner Chad D Huff Yao Yu Haleigh Mistry Brittany Pulsifer Mansoor Noorani Neeraj Saini Elizabeth J Shpall Partow Kebriaei Christopher R Flowers Jason R Westin Michelle A T Hildebrandt Sattva S Neelapu	Conditioning chemotherapy (CCT) has been shown to be essential for optimal efficacy of chimeric antigen receptor (CAR) T-cell therapy. Here, we determined whether the change in absolute lymphocyte count, referred to as delta lymphocyte index (DLIx), may serve as a surrogate marker for pharmacodynamic effects of CCT and whether it associated with germline genetic variants in patients with large B-cell lymphoma (LBCL). One-hundred and seventy-one patients were included, of which 86 (50%) received...	pmid:36127509 doi:10.1038/s41375-022-01704-z	Tue, 20 Sep 2022 06:00:00 -0400
24	pubmed:36127525	Depression and anxiety in women with malignant ovarian germ cell (MOGCT) and sex cord stromal tumors (SCST): an analysis of the AGO-CORSETT database	M Bossart H Plett B Krämer E Braicu B Czogalla M Klar S Singer D Mayr A Staebler A du Bois S Kommoss T Link A Burges F Heitz M Grube F Trillsch P Harter P Wimberger P Buderath A Hasenburg	INTRODUCTION: The intention of this study was to evaluate the level of anxiety and depression of malignant ovarian germ cell (MOGCT) and sex cord stromal tumors (SCST) survivors and to identify possible alterable cofactors.	pmid:36127525 doi:10.1007/s00404-022-06781-0	Tue, 20 Sep 2022 06:00:00 -0400
25	pubmed:36127527	Clinical and Dosimetric Predictors for Postoperative Cardiopulmonary Complications in Esophageal Squamous Cell Carcinoma Patients Receiving Neoadjuvant Chemoradiotherapy and Surgery	Zhaohui Liang Kongjia Luo Yuting Wang Qiuli Zeng Xiuzhen Ling Sifen Wang Mihnea P Dragomir Qiaoqiao Li Hong Yang Mian Xi Baoqing Chen	CONCLUSIONS: For ESCC patients who underwent trimodality treatment, male sex, post-RT FEV1, MLD, and pre-RT monocyte were confirmed as significant predictors of postoperative pulmonary complications. A nomogram model including six risk factors was further established. The independent predictor of cardiac complication was TP concurrent chemotherapy.	pmid:36127527 doi:10.1245/s10434-022-12526-9	Tue, 20 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
26	pubmed:36127571	Secondary Central Nervous System Lymphoma: Updates in Treatment and Prophylaxis Strategies	Victor Orellana-Noia Aseala Abousaud	Referring to any central nervous system (CNS) involvement with preceding or concurrent systemic disease, secondary CNS lymphoma (SCNSL) lacks a clear standard of care and historically carries a very poor prognosis. Aggressive histologies predominate, most notably diffuse large B cell lymphoma (DLBCL), with higher relative frequency in Burkitt lymphoma but lower absolute incidence. Therapeutic strategies commonly feature intensive CNS-penetrant chemotherapy, including methotrexate, cytarabine,...	pmid:36127571 doi:10.1007/s11864-022-01017-4	Tue, 20 Sep 2022 06:00:00 -0400
27	pubmed:36127626	A stratified therapeutic model incorporated with studies on regulatory B cells for elderly patients with newly diagnosed multiple myeloma	Wenjiao Tang Yan Li Zhongqing Zou Jian Cui Fangfang Wang Yuhuan Zheng Li Hou Ling Pan Bing Xiang Hong Chang Li Zhang Ting Niu	CONCLUSIONS: For the elderly NDMM, the CEMM2021 algorithm in our center might provide a valuable reference for the guidance of therapeutic strategies, with the combination of Bregs resulting in an effective and clinically meaningful prediction in contemporary treatment.	pmid:36127626 doi:10.1002/cam4.5228	Tue, 20 Sep 2022 06:00:00 -0400
28	pubmed:36127698	Combined extract of heated TC1, a heat-killed preparation of Lactobacillus casei and alpha-galactosyl ceramide in a mouse model of cervical cancer	Dorsa Haghighi Shaghayegh Yazdani Mahdieh Farzanehpour Hadi Esmaeili Gouvarchinghaleh	CONCLUSION: The study showed that combination therapy of L. casei and -GalCer is an efficient treatment for cervical cancer in the mouse model.	pmid:36127698 doi:10.1186/s13027-022-00464-w	Tue, 20 Sep 2022 06:00:00 -0400
29	pubmed:36127710	Regional gain and global loss of 5-hydroxymethylcytosine coexist in genitourinary cancers and regulate different oncogenic pathways	Jie Qi Yue Shi Yezhen Tan Qi Zhang Jianye Zhang Jilu Wang Cong Huang Weimin Ci	CONCLUSIONS: Collectively, our study dissects the regional gain of 5hmC in maintaining cancer stem-like cells and related to poor prognosis, which provides proof of concept for an epigenetic differentiation therapy with vitamin C by 5hmC reprogramming.	pmid:36127710 doi:10.1186/s13148-022-01333-4	Tue, 20 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
30	pubmed:36127731	Expert consensus on the diagnosis and treatment of NTRK gene fusion solid tumors in China	Chunwei Xu Lu Si Wenxian Wang Ziming Li Zhengbo Song Qian Wang Aijun Liu Jinpu Yu Wenfeng Fang Wenzhao Zhong Zhijie Wang Yongchang Zhang Jingjing Liu Shirong Zhang Xiuyu Cai Anwen Liu Wen Li Ping Zhan Hongbing Liu Tangfeng Lv Liyun Miao Lingfeng Min Yu Chen Jingping Yuan Feng Wang Zhansheng Jiang Gen Lin Xingxiang Pu Rongbo Lin Weifeng Liu Chuangzhou Rao Dongqing Lv Zongyang Yu Lei Lei Xiaoyan Li Chuanhao Tang Chengzhi Zhou Junping Zhang Junli Xue Hui Guo Qian Chu Rui Meng Jingxun Wu Rui Zhang Xiao Hu Jin Zhou Zhengfei Zhu Yongheng Li Hong Qiu Fan Xia Yuanyuan Lu Xiaofeng Chen Rui Ge Enyong Dai Yu Han Weiwei Pan Jiancheng Luo Hongtao Jia Xiaowei Dong Fei Pang Kai Wang Liping Wang Youcai Zhu Yanru Xie Xinqin Lin Jing Cai Jia Wei Fen Lan Huijing Feng Lin Wang Yingying Du Wang Yao Xuefei Shi	Gene fusions can drive tumor development for multiple types of cancer. Currently, many drugs targeting gene fusions are being approved for clinical application. At present, tyrosine receptor kinase (TRK) inhibitors targeting neurotrophic tyrosine receptor kinase (NTRK) gene fusions are among the first "tumor agnostic" drugs approved for pan-cancer use. Representative TRK inhibitors, including larotrectinib and entrectinib, have shown high efficacy for many types of cancer. At the same time,...	pmid:36127731 doi:10.1111/1759-7714.14644	Tue, 20 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
31	pubmed:36127859	The hollow porous sphere cell carrier for the dynamic 3D cell culture	Weidong Gao Lan Xiao Jiaqiu Wang Yuqing Mu Jayantiarun Mendhi Wendong Gao Zhiyong Li Prasad Yarlagadda Robert Wu Yin Xiao	Large-scale mammalian cell culture is essential in stem cell-based therapy, the production of the vaccine, and the manufacturing of therapeutic protein drugs. Due to the adherent growth characteristic of most mammalian cell types, the combination of cell carrier and bioreactor is a common choice in large-scale mammalian cell culture. Cell carriers are usually developed by polymer crosslinking, lithography, and emulsion drops; however, all these methods are difficult to control the uniformed...	pmid:36127859 doi:10.1089/ten.TEC.2022.0137	Wed, 21 Sep 2022 06:00:00 -0400
32	pubmed:36127985	Ameloblastoma: An Updated Narrative Review of an Enigmatic Tumor	Suhani Ghai	Ameloblastoma is one of the most common benign odontogenic tumors of the jaw that constitutes about 10% of all tumors that arise in the mandible and maxilla. It is a slow-growing but locally invasive tumor that presents with painless swelling of the mandible or maxilla. The World Health Organization (WHO) classification of 2017 describes ameloblastomas of the following four types: ameloblastoma; unicystic ameloblastoma; extraosseous/peripheral ameloblastoma; and metastasizing ameloblastoma. The...	pmid:36127985 pmc:PMC9481193 doi:10.7759/cureus.27734	Wed, 21 Sep 2022 06:00:00 -0400
33	pubmed:36128063	Fatal Meningitis and Sepsis Caused by Nontypeable <i>Haemophilus influenzae</i>	Olga M Klibanov Heather Kehr Zanesha Jeter Tabugbo Ekwonu	The rates of nontypeable <i>Haemophilus influenzae</i> (NTHi) invasive disease have been increasing since the introduction of the <i>Haemophilus influenzae</i> type b (Hib) vaccine, but its significance in adults is unclear. A 33-year-old man with human immunodeficiency virus (HIV) was admitted for fever and acute confusion. The day prior to admission he presented to another emergency department for nausea, vomiting and diarrhea where he was thought to have food poisoning and was sent home. Ten days prior to...	pmid:36128063 pmc:PMC9451564 doi:10.14740/jmc3974	Wed, 21 Sep 2022 06:00:00 -0400
34	pubmed:36128198	miR-378 associated with proliferation, migration and apoptosis properties in A549 cells and targeted NPNT in COPD	Guoqing Qian Qi Liao Guoxiang Li Fengying Yin	CONCLUSIONS: These findings suggest that miR-378 can regulate the proliferation, migration, and apoptosis of A549 cells and target NPNT. miR-378 increased in COPD lung tissues while NPNT decreased, and might prove a potential target for novel drug therapy.	pmid:36128198 pmc:PMC9482771 doi:10.7717/peerj.14062	Wed, 21 Sep 2022 06:00:00 -0400
35	pubmed:36128230	Ferroptosis promotes sonodynamic therapy: a platinum(ii)-indocyanine sonosensitizer	Yidan Lai Nong Lu Ai Ouyang Qianling Zhang Pingyu Zhang	Sonodynamic therapy (SDT) has unique advantages in deep tumour ablation due to its deep penetration depth, showing great preclinical and clinical potential. Herein, a platinum(ii)-cyanine complex has been designed to investigate its potential as a SDT anticancer agent. It generates singlet oxygen (¹ O(2)) under ultrasound (US) irradiation or light irradiation, and exhibits US-cytotoxicity in breast cancer 4T1 cells but with negligible dark-cytotoxicity. Mechanistic investigations reveal that...	pmid:36128230 pmc:PMC9430585 doi:10.1039/d2sc02597c	Wed, 21 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
36	pubmed:36128298	Clinical Outcomes of Fetal Stem Cell Transplantation in Type 1 Diabetes Are Related to Alternations to Different Lymphocyte Populations	Ali Tootee Behrouz Nikbin Ensieh Nasli Esfahani Babak Arjmand Hamidreza Aghayan Mostafa Qorbani Aziz Ghahari Bagher Larijani	Background: In patients with diabetes, transplantation of stem cells increases C-peptide levels and induces insulin independence for some period. Today, this positive therapeutic outcome is widely attributed to the well-documented immunomodulatory properties of stem cells. The aim of this study was to report alternations (the trend of increase or decrease) in different lymphocyte populations in a stem cell clinical trial performed in our institute. Methods: Recorded data of a clinical trial...	pmid:36128298 pmc:PMC9448473 doi:10.47176/mjiri.36.34	Wed, 21 Sep 2022 06:00:00 -0400
37	pubmed:36128324	Site of analysis matters - Ongoing complete response to Nivolumab in a patient with HIV/HPV related metastatic anal cancer and <i>MLH1</i> mutation	Melanie Demes Ursula Pession Jan Jeroch Falko Schulze Katrin Eichler Daniel Martin Peter Wild Oliver Waidmann	Anal cancer is a rare disease with increasing incidence. In patients with locally recurrent or metastatic disease which cannot be treated with chemoradiotherapy or salvage surgery systemic first-line chemotherapy with carboplatin and paclitaxel is standard of care. For patients who progress after first-line therapy and are still eligible for second-line therapy Programmed cell death protein 1 (PD-1) antibodies are potential therapeutic options. However, prediction of response to immunotherapy is...	pmid:36128324 pmc:PMC9477220 doi:10.18632/oncotarget.28274	Wed, 21 Sep 2022 06:00:00 -0400
38	pubmed:36128326	Prediction of recurrence free survival for esophageal cancer patients using a protein signature based risk model	Raghibul Hasan Gunjan Srivastava Akram Alyass Rinu Sharma Anoop Saraya Tushar K Chattopadhyay Siddhartha DattaGupta Paul G Walfish Shyam S Chauhan Ranju Ralhan	CONCLUSIONS: Our comprehensive risk model predictive for recurrence allowed us to determine the robustness of our biomarker panel in stratification of ESCC patients at high or low risk of disease recurrence; high risk patients are stratified for more rigorous personalized treatment while the low risk patients may be spared from harmful side effects of toxic therapy.	pmid:36128326 pmc:PMC9477219 doi:10.18632/oncotarget.10656	Wed, 21 Sep 2022 06:00:00 -0400
39	pubmed:36128565	Effect of biogenic polyamines on sliding motility of mycobacteria in the presence of antibiotics	I V Tsyganov A G Tkachenko	Nowadays, sliding is the least investigated mode of bacterial motility. Sliding is a process of passive movement on the surface of semi-liquid mediums which was originally described for mycobacteria and other bacterial species deprived of the organelles specialized for movement. Some mycobacteria are able to colonize surfaces, including tissues of macro-organisms, using glycopeptidolipids localized in the cell envelope for this aim. This is a serious problem for effective therapy of...	pmid:36128565 pmc:PMC9445300 doi:10.18699/VJGB-22-56	Wed, 21 Sep 2022 06:00:00 -0400
40	pubmed:36128650	Orai3 mediates Orai channel remodelling to activate fibroblast in pulmonary fibrosis	Changhui Yu Zicong Zhou Wufeng Huang Xiumei Li Fei Zou Xiaojing Meng Shaoxi Cai	Orai family are a calcium channel of cell membrane extracellular Ca ⁽²⁺⁾ influx which participates in tissue fibrosis. But the roles of Orai3 have less attention on the mechanism of regulating lung fibrosis. In this study, we found that Orai3 expression was increased significantly in BLM-induced lung fibrosis. The knockdown of Orai3 decreased TGF-1-induced fibroblast proliferation, ECM production, activation of NFAT1 and Calpain/ERK signal pathway and glycolysis levels. Orai3 interacting with...	pmid:36128650 doi:10.1111/jcmm.17516	Wed, 21 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
41	pubmed:36128656	Glucocorticoids mediate transcriptome-wide alternative polyadenylation: Potential mechanistic and clinical implications	Thanh Thanh L Nguyen Duan Liu Huanyao Gao Zhenqing Ye Jeong-Heon Lee Lixuan Wei Jia Yu Lingxin Zhang Liewei Wang Tamas Ordog Richard M Weinshilboum	Alternative polyadenylation (APA) is a common genetic regulatory mechanism that generates distinct 3' ends for RNA transcripts. Changes in APA have been associated with multiple biological processes and disease phenotypes. However, the role of hormones and their drug analogs in APA remains largely unknown. In this study, we investigated transcriptome-wide the impact of glucocorticoids on APA in 30 human B-lymphoblastoid cell lines. We found that glucocorticoids could regulate APA for a subset of...	pmid:36128656 doi:10.1111/cts.13402	Wed, 21 Sep 2022 06:00:00 -0400
42	pubmed:36128718	Maternal diabetes negatively impacts fetal health	Cecilia González Corona Ronald J Parchem	Diabetes is a chronic metabolic disease affecting an increasing number of people. Although diabetes has negative health outcomes for diagnosed individuals, a population at particular risk are pregnant women, as diabetes impacts not only a pregnant woman's health but that of her child. In this review, we cover the current knowledge and unanswered questions on diabetes affecting an expectant mother, focusing on maternal and fetal outcomes.	pmid:36128718 doi:10.1098/rsob.220135	Wed, 21 Sep 2022 06:00:00 -0400
43	pubmed:36128877	Immunomodulation for early-onset haemolytic disease of the fetus/newborn: Can we delay the need for intrauterine transfusions?	Kenneth J Moise	When cases of severe fetal anaemia due to maternal red-cell alloimmunization present in the early second trimester, standard treatment with intrauterine transfusion often results in fetal loss. The report by Vlachodimitropoulou et al. offers new insight into the use of maternal intravenous immune globulin to delay the need for intrauterine transfusion. Performing these procedures at a later gestational age increases the likelihood of technical success and subsequent perinatal survival....	pmid:36128877 doi:10.1111/bjh.18457	Wed, 21 Sep 2022 06:00:00 -0400
44	pubmed:36128909	Clinical outcomes and immune responses to SARS-CoV-2 vaccination in severe aplastic anaemia	Roma V Rajput Xiaoyang Ma Kristin L Boswell Martin Gaudinski Ingelise Gordon Laura Novik Emma M Groarke Jennifer Lotter Jeanine Superata Olga J Rios Ivana Darden Bob C Lin Nazaire Jean-Baptiste Robin Carroll Christopher Moore Jessica Trost Mursal Naisan Jacquelyn Willis Leonid Serebryanny Jennifer L Wang Madhu Prabhakaran Sandeep R Narpala Richard A Koup Adrian McDermott Colin O Wu Neal S Young Bhavisha A Patel	Patients with severe aplastic anaemia (SAA) are often not vaccinated against viruses due to concerns of ineffective protective antibody response and potential for pathogenic global immune system activation, leading to relapse. We evaluated the impact of COVID-19 vaccination on haematological indices and disease status and characterized the humoural and cellular responses to vaccination in 50 SAA patients, who were previously treated with immunosuppressive therapy (IST). There was no significant...	pmid:36128909 doi:10.1111/bjh.18456	Wed, 21 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
45	pubmed:36128923	Tailoring head-tail mesoporous silica nanoparticles for enhanced gene transfection	Weixi Wu Anh Ngo Wenhuang Ban Yuening Zhong Dan Cheng Zhengying Gu Chengzhong Yu Hao Song	Plasmid DNA (pDNA) delivery has attracted extensive research interest due to its great potential in gene therapy. The design of efficient nano-vectors to promote cellular delivery and transfection of gene molecules is the key to success. Compared to conventional nanocarriers with spherical geometry, asymmetric nanoparticles have been well documented showing enhanced cellular uptake and drug delivery capability. However, the impact of asymmetric nanostructures on pDNA binding and following...	pmid:36128923 doi:10.1039/d2tb01737g	Wed, 21 Sep 2022 06:00:00 -0400
46	pubmed:36128929	Alectinib rescue therapy in advanced ALK rearranged lung adenocarcinoma: a case report	Cristiano Cesaro Umberto Caterino Fabio Perrotta Umberto Masi Alessandra Cotroneo Roberta Cianci Enzo Zamparelli Flavio Cesaro Dario Amore Danilo Rocco	Alectinib is a highly selective tyrosine kinase inhibitor of anaplastic lymphoma kinase (ALK) that is approved as first-line treatment in adult patients with ALK-positive non-small cell lung cancer (NSCLC) and as second-line in patients previously treated with crizotinib, and has been shown in the literature to significantly prolong progression-free survival compared to chemotherapy in patients with advanced non-small cell lung cancer. The authors describe a clinical case of a 24-year-old woman...	pmid:36128929 doi:10.4081/monaldi.2022.2388	Wed, 21 Sep 2022 06:00:00 -0400
47	pubmed:36128934	A comprehensive overview of CRISPR/Cas 9 technology and application thereof in drug discovery	Amit Khurana Nilofer Sayed Vishakha Singh Isha Khurana Prince Allawadhi Pushkar Singh Rawat Umashanker Navik Sravan Kumar Pasumarthi Kala Kumar Bharani Ralf Weiskirchen	Clustered Regularly Interspaced Short Palindromic Repeat (CRISPR)-Cas technology possesses revolutionary potential to positively affect various domains of drug discovery. It has initiated a rise in the area of genetic engineering and its advantages range from classical science to translational medicine. These genome editing systems have given a new dimension to our capabilities to alter, detect and annotate specified gene sequences. Moreover, the ease, robustness and adaptability of the...	pmid:36128934 doi:10.1002/jcb.30329	Wed, 21 Sep 2022 06:00:00 -0400
48	pubmed:36128978	A hollow Co₃ xCu_xS₄ with glutathione depleting and photothermal properties for synergistic dual-enhanced chemodynamic/photothermal cancer therapy	Ying Jiang Hao Lu Xiangyang Yuan Yuanyuan Zhang Lingli Lei Yongcan Li Wei Sun Jing Liu Daniel Scherman Yingshuai Liu	Chemodynamic therapy has become an emerging cancer treatment strategy, in which tumor cells are killed through toxic reactive oxygen species (ROS), especially hydroxyl radicals (OH) produced by the Fenton reaction. Nevertheless, low ROS generation efficiency and ROS depletion by cellular antioxidant systems are still the main obstacles in chemodynamic therapy. In the present work, we propose a dually enhanced chemodynamic therapy obtained by inhibiting OH consumption and promoting OH...	pmid:36128978 doi:10.1039/d2tb01590k	Wed, 21 Sep 2022 06:00:00 -0400
49	pubmed:36129048	An update on the molecular biology of glioblastoma, with clinical implications and progress in its treatment	Elena Verdugo Iker Puerto Miguel Ángel Medina	Glioblastoma multiforme (GBM) is the most aggressive and common malignant primary brain tumor. Patients with GBM often have poor prognoses, with a median survival of 15 months. Enhanced understanding of the molecular biology of central nervous system tumors has led to modifications in their classifications, the most recent of which classified these tumors into new categories and made some changes in their nomenclature and grading system. This review aims to give a panoramic view of the last 3...	pmid:36129048 doi:10.1002/cac2.12361	Wed, 21 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
50	pubmed:36129054	Multi-target cell therapy using a magnetoelectric microscale biorobot for targeted delivery and selective differentiation of SH-SY5Y cells via magnetically driven cell stamping	Hyunseok Song Dong-In Kim Sarmad Ahmad Abbasi Nader Latifi Gharamaleki Eunhee Kim Chaewon Jin Samhwan Kim Junsun Hwang Jin-Young Kim Xiang-Zhong Chen Bradley J Nelson Salvador Pané Hongsoo Choi	Cell therapy refers to a treatment that involves the delivery of cells or cellular material by means of injection, grafting, or implantation in order to replace damaged tissue and restore its function, or to aid the body in fighting disease. However, limitations include poor targeting delivery and low therapeutic efficacy due to low cell survival. Hence, novel approaches are required to increase cell delivery efficiency and enhance therapeutic efficacy via selective cell differentiation at...	pmid:36129054 doi:10.1039/d2mh00693f	Wed, 21 Sep 2022 06:00:00 -0400
51	pubmed:36129092	A GIANT GERMINOMA MIMICS HIGH-GRADE GLIOMA: A RARE FORM OF THALAMIC REGION TUMOR	Dirga Rachmad Aprianto Muhammad Arifin Parenrengi	A fourteen-year-old boy initially presented with weakness in the right extremity, worsening in the last three months with stiffness and convulsions in his right extremity. Magnetic resonance imaging of the brain revealed an intra-axial tumor measuring 8.3x7.3x6.8 cm, leading to obstructive hydrocephalus. The patient's condition suddenly worsened with decreased consciousness, and then emergency surgery was performed for tumor resection and external ventricular drainage before switching to a...	pmid:36129092 doi:10.36740/WLek202208217	Wed, 21 Sep 2022 06:00:00 -0400
52	pubmed:36129131	Anti-breast cancer drugs targeting cell-surface glucose-regulated protein 78: a drug repositioning <i>in silico</i> study	Alaa Abu-Mahfouz Maha Ali Abdo Elfiky	Breast cancer (BC) is prevalent worldwide and is a leading cause of death among women. However, cell-surface glucose-regulated protein 78 (cs-GRP78) is overexpressed in several types of cancer and during pathogen infections. This study examines two well-known BC drugs approved by the FDA as BC treatments to GRP78. The first type consists of inhibitors of cyclin-based kinases 4/6, including abemaciclib, palbociclib, ribociclib, and dinaciclib. In addition, tunicamycin, and doxorubicin, which are...	pmid:36129131 doi:10.1080/07391102.2022.2125076	Wed, 21 Sep 2022 06:00:00 -0400
53	pubmed:36129238	Outcomes of patients who underwent treatment for anti-HLA donor-specific antibodies before receiving a haploidentical hematopoietic cell transplant	Amanda Lipsitt Paula Arnold Liyang Chi Katharine Carruthers Sophia Folk Sallyanne Fossey Dinesh Keerthi Ewelina Mamcarz Ashok Srinivasan Akshay Sharma	Pediatric and adolescent and young adult (AYA) patients who receive many blood product transfusions, such as individuals with sickle cell disease (SCD), severe aplastic anemia (SAA) or indolent hematologic malignancies, are at high risk for developing donor-specific antibodies (DSA). DSAs with mean fluorescence intensity (MFI) greater than 5000 have been associated with significant graft failure, but lower MFI values between 2000 and 5000 may result in poor graft function after hematopoietic...	pmid:36129238 doi:10.1002/pbc.29993	Wed, 21 Sep 2022 06:00:00 -0400
54	pubmed:36129287	Characterization of Phage Resistance and Their Impacts on Bacterial Fitness in <i>Pseudomonas aeruginosa</i>	Na Li Yigang Zeng Mengran Wang Rong Bao Yu Chen Xiaoyu Li Jue Pan Tongyu Zhu Bijie Hu Demeng Tan	The emergence and spread of antibiotic resistance pose serious environmental and health challenges. Attention has been drawn to phage therapy as an alternative approach to combat antibiotic resistance with immense potential. However, one of the obstacles to phage therapy is phage resistance, and it can be acquired through genetic mutations, followed by consequences of phenotypic variations. Therefore, understanding the mechanisms underlying phage-host interactions will provide us with greater...	pmid:36129287 doi:10.1128/spectrum.02072-22	Wed, 21 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
55	pubmed:36129461	Neoadjuvant chemotherapy is associated with altered immune cell infiltration and an anti-tumorigenic microenvironment in resected pancreatic cancer	Andressa Dias Costa Sara A Väyrynen Akhil Chawla Jinming Zhang Juha P Väyrynen Mai Chan Lau Hannah L Williams Chen Yuan Vicente Morales-Oyarvide Dalia Elganainy Harshabad Singh James M Cleary Kimberly Perez Kimmie Ng William Freed-Pastor Joseph D Mancias Stephanie K Dougan Jiping Wang Douglas A Rubinson Richard F Dunne Margaret M Kozak Lauren Brais Emma Reilly Thomas Clancy David C Linehan Daniel T Chang Aram F Hezel Albert C Koong Andrew Aguirre Brian M Wolpin Jonathan A Nowak	CONCLUSION: Neoadjuvant chemotherapy with FOLFIRINOX shifts the PDAC immune microenvironment towards an anti-tumorigenic state associated with improved patient survival.	pmid:36129461 doi:10.1158/1078-0432.CCR-22-1125	Wed, 21 Sep 2022 06:00:00 -0400
56	pubmed:36129563	Evaluation of laboratory predictors for intravenous immunoglobulin resistance and coronary artery aneurysm in Kawasaki Disease before and after therapy	Jie Liu Bingbing Ye Danyan Su Suyuan Qin Weiyang Zhao Yusheng Pang	CONCLUSIONS: The B/A ratio before IVIG and CLI and SII after IVIG were risk factors for IVIG resistance in patients with KD, independent of CAA development. Key Points • A high total bilirubin-to-albumin ratio before IVIG and high capillary leakage and systemic immune-inflammation indices after IVIG may indicate an increased risk of intravenous immunoglobulin resistance in patients with Kawasaki disease. • Post-treatment parameters were superior to pre-treatment parameters in terms of...	pmid:36129563 doi:10.1007/s10067-022-06366-x	Wed, 21 Sep 2022 06:00:00 -0400
57	pubmed:36129576	Vesicle trafficking and vesicle fusion: mechanisms, biological functions, and their implications for potential disease therapy	Lele Cui Hao Li Yufeng Xi Qianli Hu Huimin Liu Jiaqi Fan Yijuan Xiang Xing Zhang Weiwei Shui Ying Lai	Intracellular vesicle trafficking is the fundamental process to maintain the homeostasis of membrane-enclosed organelles in eukaryotic cells. These organelles transport cargo from the donor membrane to the target membrane through the cargo containing vesicles. Vesicle trafficking pathway includes vesicle formation from the donor membrane, vesicle transport, and vesicle fusion with the target membrane. Coat protein mediated vesicle formation is a delicate membrane budding process for cargo...	pmid:36129576 doi:10.1186/s43556-022-00090-3	Wed, 21 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
58	pubmed:36129588	Lung cancer surgery after COVID-19 infection in a patient with severe interstitial pneumonia and restrictive ventilatory impairment	Hiroaki Komatsu Nobuhiro Izumi Takuma Tsukioka Hidetoshi Inoue Ryuichi Ito Satoshi Suzuki Noritoshi Nishiyama	BACKGROUND: The spread of COVID-19 infection increased the number of patients who underwent pulmonary resection for lung cancer after COVID-19 infection. It is unclear how previous infection with COVID-19 affects perioperative complications and acute exacerbation of interstitial pneumonia after surgery in patients with interstitial pneumonia.	pmid:36129588 doi:10.1186/s40792-022-01531-5	Wed, 21 Sep 2022 06:00:00 -0400
59	pubmed:36129635	A Novel Immunotoxin Targeting Epithelial Cell Adhesion Molecule Using Single Domain Antibody Fused to Diphtheria Toxin	Reyhaneh Roshan Shamsi Naderi Mahdi Behdani Reza Ahangari Cohan Fatemeh Kazemi-Lomedasht	Epithelial Cell Adhesion Molecule (EpCAM) is overexpressed in a variety of cancers such as colon, stomach, pancreas, and prostate adenocarcinomas. Inhibition of EpCAM is considered as a potential target for cancer therapy. In current study, anti-EpCAM immunotoxin (-EpCAM IT) was developed using genetic fusion of -EpCAM single domain antibody (nanobody) (-EpCAM Nb) to truncated form of diphtheria toxin. The expression of recombinant -EpCAM IT was induced by Isopropyl...	pmid:36129635 doi:10.1007/s12033-022-00565-2	Wed, 21 Sep 2022 06:00:00 -0400
60	pubmed:36129672	Pyroptosis: a novel signature to predict prognosis and immunotherapy response in gliomas	Guiying He Zhimin Chen Shenghua Zhuo Jingzhi Tang Weijie Hao Kun Yang Chunshui Yang	Gliomas are the most common primary brain tumors and are highly malignant with a poor prognosis. Pyroptosis, an inflammatory form of programmed cell death, promotes the inflammatory cell death of cancer. Studies have demonstrated that pyroptosis can promote the inflammatory cell death (ICD) of cancer, thus affecting the prognosis of cancer patients. Therefore, genes that control pyroptosis could be a promising candidate bio-indicator in tumor therapy. The function of pyroptosis-related genes...	pmid:36129672 doi:10.1007/s13577-022-00791-5	Wed, 21 Sep 2022 06:00:00 -0400
61	pubmed:36129781	Enzyme Prodrug Therapy with Photo-Cross-Linkable Anti-EGFR Affibodies Conjugated to Upconverting Nanoparticles	Shambojit Roy Shane D Curry Conrad Corbella Bagot Evan N Mueller Abdulrahman M Mansouri Wounjhang Park Jennifer N Cha Andrew P Goodwin	In this work, we demonstrate that a photo-cross-linkable conjugate of upconverting nanoparticles and cytosine deaminase can catalyze prodrug conversion specifically at tumor sites in vivo. Non-covalent association of proteins and peptides with cellular surfaces leads to receptor-mediated endocytosis and catabolic degradation. Recently, we showed that covalent attachment of proteins such as affibodies to cell receptors yields extended expression on cell surfaces with preservation of protein...	pmid:36129781 doi:10.1021/acsnano.2c02558	Wed, 21 Sep 2022 06:00:00 -0400
62	pubmed:36129801	First-in-Class Small Molecule to Inhibit CYP11A1 And Steroid Hormone Biosynthesis	Mari Karimaa Reetta Riikonen Henna Kettunen Päivi Taavitsainen Meri Ramela Marcin Chrusciel Stefan Karlsson Petteri Rummakko Outi Simola Gerd Wohlfahrt Pasi Hakulinen Annamari Vuorela Heikki Joensuu Tapio Utriainen Karim Fizazi Riikka Oksala	Binding of steroid hormones to their cognate receptors regulates the growth of most prostate and breast cancers. We hypothesized that CYP11A inhibition might halt the synthesis of all steroid hormones, since CYP11A is the only enzyme that catalyses the first step of steroid hormone biosynthesis. We speculated that a CYP11A inhibitor could be administered safely provided that the steroids essential for life are replaced. Virtual screening and systematic structure-activity relationship...	pmid:36129801 doi:10.1158/1535-7163.MCT-22-0115	Wed, 21 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
63	pubmed:36129833	Cancer-associated fibroblasts subtypes and role in invasion and metastasis of gastric cancer	Meng Zhang Wen-Bin Guan Jun-Lei Li Ling-Xuan Li Ke-Zhou Wang Rui-Fen Wang Li-Feng Wang	Gastric cancer (GC) is the fifth most common malignancy and the fourth leading cause of cancer-related death worldwide. Cancer-associated fibroblasts (CAFs), an important cell type in the tumor microenvironment, play an important role in GC development. In this review, we describe the current knowledge of CAFs' heterogeneity and their role in GC invasion and metastasis. Currently, CAF-targeted cancer therapies are being rapidly explored and developed. However, the heterogeneity of CAFs limits...	pmid:36129833 doi:10.4149/neo_2022_220513N511	Wed, 21 Sep 2022 06:00:00 -0400
64	pubmed:36129889	The Experience of Children With Neuroblastoma and Their Parents During Single-Room Isolation for ¹³¹I-Metaiodobenzylguanidine Therapy: A Qualitative Descriptive Study	Cynthia M LaFond Alyssa Yost Kelly Lankin Megha Kilaru Susan L Cohn	Background: Administration of ¹³¹ I-metaiodobenzylguanidine (¹³¹ I-MIBG) for neuroblastoma requires hospitalization in single-room isolation and limits caregiver physical contact due to the child's radioactive burden. Though used for decades, there is a dearth of research on the experiences of children and their parents while isolated. Methods: This qualitative descriptive study evaluated the experience of children with neuroblastoma undergoing single-room isolation for ¹³¹ I-MIBG therapy...	pmid:36129889 doi:10.1177/27527530211068749	Wed, 21 Sep 2022 06:00:00 -0400
65	pubmed:36129940	Computational gene expression analysis reveals distinct molecular subgroups of T-cell prolymphocytic leukemia	Nathan Mikhaylenko Linus Wahnschaffe Marco Herling Ingo Roeder Michael Seifert	T-cell prolymphocytic leukemia (T-PLL) is a rare blood cancer with poor prognosis. Overexpression of the proto-oncogene TCL1A and missense mutations of the tumor suppressor ATM are putative main drivers of T-PLL development, but so far only little is known about the existence of T-PLL gene expression subtypes. We performed an in-depth computational reanalysis of 68 gene expression profiles of one of the largest currently existing T-PLL patient cohorts. Hierarchical clustering combined with...	pmid:36129940 doi:10.1371/journal.pone.0274463	Wed, 21 Sep 2022 06:00:00 -0400
66	pubmed:36129942	CYCLIN K down-regulation induces androgen receptor gene intronic polyadenylation, variant expression and PARP inhibitor vulnerability in castration-resistant prostate cancer	Rui Sun Ting Wei Donglin Ding Jianong Zhang Sujun Chen Housheng Hansen He Liguo Wang Haojie Huang	Androgen receptor (AR) messenger RNA (mRNA) alternative splicing variants (AR-Vs) are implicated in castration-resistant progression of prostate cancer (PCa), although the molecular mechanism underlying the genesis of AR-Vs remains poorly understood. The CDK12 gene is often deleted or mutated in PCa and CDK12 deficiency is known to cause homologous recombination repair gene alteration or BRCAness via alternative polyadenylation (APA). Here, we demonstrate that pharmacological inhibition or...	pmid:36129942 doi:10.1073/pnas.2205509119	Wed, 21 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
67	pubmed:36130020	Depletion of conventional type-1 dendritic cells in established tumors suppresses immunotherapy efficacy	Alvaro Teijeira Saray Garasa Carlos Luri-Rey Carlos de Andrea Maria Gato Carmen Molina Tsuneyasu Kaisho Assunta Cirella Arantza Azpilikueta Stefanie K Wculek Josune Egea Irene Olivera Inmaculada Rodriguez Ana Rouzaut Vladislav Verkhusha Karmele Valencia David Sancho Pedro Berraondo Ignacio Melero	The ability of conventional type-1 dendritic cells (cDC1) to cross-present tumor antigens to CD8+ T cells is critical for the induction of antitumor cytotoxic T lymphocytes. Mice that are constitutively deficient in cDC1 cells have been reported to fail to respond to immunotherapy strategies based on checkpoint inhibitors. However, further work is needed to clarify the precise time during immunotherapy treatment that cDC1 cells are required for the beneficial effect of treatment. Here, we used a...	pmid:36130020 doi:10.1158/0008-5472.CAN-22-1046	Wed, 21 Sep 2022 06:00:00 -0400
68	pubmed:36130036	Plasmid-Based Donor Templates for Nonviral CRISPR/Cas9-Mediated Gene Knock-In in Human T Cells	Kate Senger Ilseyar Akhmetzyanova Benjamin Haley Sascha Rutz Soyoung A Oh	Effective and precise gene editing of T lymphocytes is critical for advancing the understanding of T cell biology and the development of next-generation cellular therapies. Although methods for effective CRISPR/Cas9-mediated gene knock-out in primary human T cells have been developed, complementary techniques for nonviral gene knock-in can be cumbersome and inefficient. Here, we report a simple and efficient method for nonviral CRISPR/Cas9-based gene knock-in utilizing plasmid-based donor DNA...	pmid:36130036 doi:10.1002/cpz1.538	Wed, 21 Sep 2022 06:00:00 -0400
69	pubmed:36130070	Tumor Microenvironment in Pancreatic Cancer Pathogenesis and Therapeutic Resistance	Mara H Sherman Gregory L Beatty	Pancreatic ductal adenocarcinoma (PDAC) features a prominent stromal microenvironment with remarkable cellular and spatial heterogeneity that meaningfully impacts disease biology and treatment resistance. Recent advances in tissue imaging capabilities, single-cell analytics, and disease modeling have shed light on organizing principles that shape the stromal complexity of PDAC tumors. These insights into the functional and spatial dependencies that coordinate cancer cell biology and the...	pmid:36130070 doi:10.1146/annurev-pathmechdis-031621-024600	Wed, 21 Sep 2022 06:00:00 -0400
70	pubmed:36130148	Emerging Therapies for the Management of Richter Transformation	Elizabeth Smyth Toby A Eyre Chan Y Cheah	Richter transformation (RT) refers to the development of an aggressive lymphoma in patients with underlying chronic lymphocytic leukemia/small lymphocytic lymphoma. Aside from a small subgroup of patients with clonally unrelated and previously untreated chronic lymphocytic leukemia, the disease responds poorly to standard therapies and prognosis is dismal. Recent developments in the understanding of the biology of RT and the advent of several targeted agents may result in improved outcomes for...	pmid:36130148 doi:10.1200/JCO.22.01028	Wed, 21 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
71	pubmed:36130152	Chimeric Antigen Receptor T-Cell Therapies: Barriers and Solutions to Access	Joseph Mikhael Jessica Fowler Nina Shah	Chimeric antigen receptor T-cell (CAR-T) therapies are relatively new treatments for patients with heavily pretreated hematologic malignancies. Although these innovative therapies can offer substantial benefit to patients with limited alternative treatment options, patient-access barriers exist. Conventional clinical trials are time-consuming and may be limited by strict patient eligibility criteria, resources, and availability of enrollment slots. Because of the complexity of the CAR-T...	pmid:36130152 doi:10.1200/OP.22.00315	Wed, 21 Sep 2022 06:00:00 -0400
72	pubmed:36130158	Predictive Role of Soluble IL-6R, TNF-R1/2, and Cell Adhesion Molecules Serum Levels in the Preoperative and Adjuvant Therapy in Women with Nonmetastatic Breast Cancer: A Preliminary Study	Weronika Bulska-Bdkowska Paulina Czajka-Francuz Sylwia Ciso-Jurek Aleksander J Owczarek Tomasz Francuz Jerzy Chudek	Soluble cell adhesion molecules (sCAMs) are involved in the development of neoplastic diseases. sCAMs can block lymphocytes and promote angiogenesis and migration of breast cancer (BC) cells. Interleukin 6 (IL-6) and tumor necrosis factor (TNF-) enhance metastatic potential via upregulation of CAMs. We assessed soluble interleukin-6 receptor subunit alpha (IL-6Ra), TNF-R1, TNF-R2, E-selectin, P-selectin, VCAM-1, ICAM-1, and EpCAM in 89 women with stage I-III BC and 28 healthy women. Blood...	pmid:36130158 doi:10.1089/jir.2022.0092	Wed, 21 Sep 2022 06:00:00 -0400