(gene therapy) OR (cell therapy)

	NCT Number	Title	Authors	Description	Identifier	Dates
1	pubmed:36098216	Mir-122 upregulation and let-7f downregulation combination: The effects on hepatic differentiation of hiPSCs on the PCL-Gel-HA nanofibrous scaffold	Maliheh Parvanak Zohreh Mostafavi-Pour Masoud Soleimani Amir Atashi Ehsan Arefian Elaheh Esmaeili	Cell therapy and tissue engineering as promising candidates for the liver transplantation dilemma are of special interest. Induced pluripotent stem cells (iPSCs) are one of the best sources in this field, but their differentiation methods to hepatocytes have remained challenging. We transduced human iPSCs (hiPSCs) with miR-122 and off-let-7f (hiPSCs^(miR-122 + off-let-7f)) to evaluate how they can differentiate hiPSCs to hepatocyte-like cells (HLCs) without any extrinsic growth factor....	pmid:36098216 doi:10.1111/jcmm.17552	Tue, 13 Sep 2022 06:00:00 -0400
2	pubmed:36098226	Dynamics of minimal residual disease defines a novel risk-classification and the role of allo-HSCT in adult Ph-negative B-cell acute lymphoblastic leukemia	Zihong Cai Yiqian Liu Bingqing Tang Zhengwei Wu Zhixiang Wang Ren Lin Xiuli Xu Zicong Huang Jiawang Ou Xiaofang Li Xiaoli Liu Qifa Liu Hongsheng Zhou	The prognosis of minimal residual disease (MRD) in acute lymphoblastic leukemia (ALL) patients is well established. However, the implementation of dynamic MRD for risk classification and decision-making for allogeneic hematopoietic stem cell transplantation (allo-HSCT) remains vague. In this study, we collected multiparameter flow cytometry (MFC)-MRD data of Ph-negative B-ALL patients (n = 134) from the Precision-Classification-Directed-Target-Total-Therapy-ALL-2016 (PDT-ALL-2016) cohort and...	pmid:36098226 doi:10.1080/10428194.2022.2115841	Tue, 13 Sep 2022 06:00:00 -0400
3	pubmed:36098248	Can GCSF-stimulated donor lymphocyte infusions improve outcomes for relapsed disease following allogeneic hematopoietic cell transplantation? A systematic review and meta-analysis	Aidan M Kirkham Adrian J M Bailey Ashish Masurekar Risa Shorr Christopher Bredeson Mitchell Sabloff David S Allan	Donor lymphocyte infusions (DLI) can produce graft-versus tumor effects to treat relapse after allogeneic hematopoietic cell transplantation, however, durable responses remain uncommon. A systematic review and meta-analysis are needed to clarify whether DLI collected after stimulation with granulocyte colony-stimulating factor (GCSF; G-DLI) can improve clinical outcomes. Sixteen studies (4 controlled) involving 585 patients were identified in a systematic search up to 17 September 2020. A...	pmid:36098248 doi:10.1080/10428194.2022.2118530	Tue, 13 Sep 2022 06:00:00 -0400
4	pubmed:36098250	P2X7 receptor activation impairs antitumor activity of natural killer cells	Alberto Baroja-Mazo Alejandro Peñín-Franch Fernando Lucas-Ruiz Carlos de Torre-Minguela Cristina Alarcón-Vila Trinidad Hernández-Caselles Pablo Pelegrín	CONCLUSIONS AND IMPLICATIONS: Our results show that P2X7 activation represents a new mechanism whereby NK cells may lose antitumor effectiveness and open the possibility of generating modified NK cells lacking P2X7 with improved antitumor capacity.	pmid:36098250 doi:10.1111/bph.15951	Tue, 13 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
5	pubmed:36098251	Nanoparticle-Based Follistatin Messenger RNA Therapy for Reprogramming Metastatic Ovarian Cancer and Ameliorating Cancer-Associated Cachexia	Tetiana Korzun Abraham S Moses Jeonghwan Kim Siddharth Patel Canan Schumann Peter R Levasseur Parham Diba Brennan Olson Katia Graziella De Oliveira Rebola Mason Norgard Youngrong Park Ananiya A Demessie Yulia Eygeris Vladislav Grigoriev Subisha Sundaram Tanja Pejovic Jonathan R Brody Olena R Taratula Xinxia Zhu Gaurav Sahay Daniel L Marks Oleh Taratula	This study presents the first messenger RNA (mRNA) therapy for metastatic ovarian cancer and cachexia-induced muscle wasting based on lipid nanoparticles that deliver follistatin (FST) mRNA predominantly to cancer clusters following intraperitoneal administration. The secreted FST protein, endogenously synthesized from delivered mRNA, efficiently reduces elevated activin A levels associated with aggressive ovarian cancer and associated cachexia. By altering the cancer cell phenotype, mRNA...	pmid:36098251 doi:10.1002/smll.202204436	Tue, 13 Sep 2022 06:00:00 -0400
6	pubmed:36098270	Real-world outcomes in patients with first-line and second-line therapy for advanced esophageal squamous cell carcinoma	Daniel Ahn Michelle Sidel Laura Panattoni Naomi Sacks Jennifer Hernandez Reginald Villacorta	Background: Little is known about real-world outcomes for first-line and anti-PD-1 second-line treatment for advanced/metastatic esophageal squamous cell carcinoma (ESCC). Patients & methods: Retrospective data of advanced/metastatic ESCC patients treated between 2011 and 2021 were collected from Flatiron Health. Median duration of therapy (mDoT) and median overall survival (mOS) were evaluated for patients initiating first-line and anti-PD-1 second-line therapy. Results: Among patients...	pmid:36098270 doi:10.2217/fon-2022-0708	Tue, 13 Sep 2022 06:00:00 -0400
7	pubmed:36098277	Ferroptosis is involved in corpus cavernosum smooth muscle cells impairment in diabetes mellitus-induced erectile dysfunction	Wenchao Xu Taotao Sun Jiaxin Wang Tao Wang Shaogang Wang Jihong Liu Kang Liu Hao Li	BACKGROUNDS: Erectile dysfunction (ED) is a common andrological disorder that tends to afflict diabetic patients, among others. Pharmacological therapy of diabetes mellitus-induced ED (DMED) is ineffective, as it is linked with smooth muscle cell loss in the corpus cavernosum (CC). Ferroptosis is a recently identified kind of cell death evoked by lipid peroxidation, and it is connected with a number of diabetic complications.	pmid:36098277 doi:10.1111/andr.13291	Tue, 13 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
8	pubmed:36098320	Second-line therapy with nivolumab plus ipilimumab for older patients with oesophageal squamous cell cancer (RAMONA): a multicentre, open-label phase 2 trial	Matthias P Ebert Nadja M Meindl-Beinker Tobias Gutting Martin Maenz Johannes Betge Nadine Schulte Tianzuo Zhan Philip Weidner Elke Burgermeister Ralf Hofheinz Arndt Vogel Stefan Angermeier Claus Bolling Maike de Wit Ralf Jakobs Meinolf Karthaus Gertraud Stocker Peter Thuss-Patience Tobias Leidig Timo Gaiser Jakob N Kather Nicolai Haertel	BACKGROUND: The overall survival of patients with advanced and refractory oesophageal squamous cell carcinoma, mostly aged 65 years and older, is poor. Treatment with PD-1 antibodies showed improved progression-free survival and overall survival. We assessed the safety and efficacy of combined nivolumab and ipilimumab therapy in this population.	pmid:36098320 doi:10.1016/S2666-7568(22)00116-7	Tue, 13 Sep 2022 06:00:00 -0400
9	pubmed:36098338	Exosomes to control glioblastoma multiforme: Investigating the effects of mesenchymal stem cell-derived exosomes on C6 cells in vitro	Houman Parsaei Mir Javad Moosavifar Mina Eftekharzadeh Reihaneh Ramezani Mahmood Barati Soheil Mirzaei Maliheh Nobakht	Glioblastoma multiforme (GBM) is a common, aggressive, fast-growing tumor of the central nervous system that currently has no effective treatment. Although stem cell therapy has shown promising in vitro achievements, the blood-brain barrier (BBB) has always been a major hurdle to clinical success. To overcome this challenge, exosomes have been targeted as attractive drug delivery agents in numerous studies since they are small enough to enter the BBB. Furthermore, exosomes' characteristics and...	pmid:36098338 doi:10.1002/cbin.11884	Tue, 13 Sep 2022 06:00:00 -0400
10	pubmed:36098464	Living with Lung Disease: Experimental Models to Assess the Long-Term Effects of Prematurity	Denby J Evans J Jane Pillow Shannon J Simpson Anthony Kicic	Laboratory models provide an important tool in helping to understand the cellular and molecular drivers of respiratory disease. Many animal models exist that model the neonatal outcomes of preterm birth. Discoveries at the laboratory bench from examination of both human tissue and tissues from animal models have informed the life-saving technologies and clinical care used today. Yet animal laboratory models of preterm birth have rarely been utilized beyond the neonatal period, despite growing...	pmid:36098464 doi:10.1152/ajplung.00155.2022	Tue, 13 Sep 2022 06:00:00 -0400
11	pubmed:36098506	BRCA2 BRC missense variants disrupt RAD51-dependent DNA repair	Judit Jimenez-Sainz Joshua Mathew Gemma Moore Sudipta Lahiri Jennifer Garbarino Joseph P Eder Eli Rothenberg Ryan B Jensen	Pathogenic mutations in the BRCA2 tumor suppressor gene predispose to breast, ovarian, pancreatic, prostate, and other cancers. BRCA2 maintains genome stability through homology-directed repair (HDR) of DNA double-strand breaks (DSBs) and replication fork protection. Nonsense or frameshift mutations leading to truncation of the BRCA2 protein are typically considered pathogenic, however, missense mutations resulting in single amino acid substitutions can be challenging to functionally interpret....	pmid:36098506 doi:10.7554/eLife.79183	Tue, 13 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
12	pubmed:36098604	Molecular mechanisms of male infertility: main directions of scientific research	S N Galimov Yu Yu Gromenko E F Galimova E S Bodrova K V Bulygin P F Litvitsky	This review provides up-to-date information on the molecular basis of the pathogenesis of male infertility at the cellular and subcellular levels. The emphasis is on the importance of new next-generation sequencing technologies as a high-performance tool for studying the genome and epigenomic mechanisms, transcriptome, proteome and metabolome of ejaculate, and organs of the reproductive system. This methodology made it possible to identify differentially expressed metabolic and signaling...	pmid:36098604	Tue, 13 Sep 2022 06:00:00 -0400
13	pubmed:36098675	S2k guideline: Laser therapy of the skin	Uwe Paasch Miriam Zidane Jens Malte Baron Thorsten Bund Hans-Joachim Cappius Michael Drosner Konstantin Feise Tanja Fischer Gerd Gauglitz Peter Arne Gerber Sonja Grunewald Katharina Herberger Anja Jung Syrus Karsai Gerd Kautz Carsten Philipp Daniela Schädel Anna-Theresa Seitz Alexander Nast	This guideline aims to improve the efficiency and safety of lasers and optical radiation sources with similar effects (especially IPL). Laser therapy of skin lesions with an increased amount of melanocytes should be performed with caution. Laser treatment of pigmented melanocytic nevi is not recommended. The guideline contains recommendations regarding the treatment of lentigines and café-au-lait spots, non-pigmented dermal nevi, Becker nevus, nevus of Ota/Hori/Ito and melasma. Further...	pmid:36098675 doi:10.1111/ddg.14879	Tue, 13 Sep 2022 06:00:00 -0400
14	pubmed:36098706	Glabridin inhibits urothelial bladder carcinoma cell growth in vitro and in vivo by inducing cell apoptosis and cell cycle arrest	Zhao Yang Ying Bi Wenkai Xu Rui Guo Mingxuan Hao Youfeng Liang Zongyi Shen Liqi Yin Changyuan Yu Shihui Wang Jiansong Wang Jinmei Li Jinku Zhang Runfen Cheng Qiongli Zhai Haifeng Wang	Glabridin (GLA) has a variety of biological activities and therapeutic effects in cancers. Whereas the effect of GLA on urothelial bladder carcinoma (UBC) cells and its underlying mechanisms remain unknown. The study revealed the effect of GLA on UBC and the potential mechanism of inducing cell apoptosis in vivo and in vitro. After treated with different concentrations of GLA, the cell activity decreased in a time- and dose-dependent manner. The IC(50) values of BIU-87 and EJ cells at 48 h were...	pmid:36098706 doi:10.1111/cbdd.14147	Tue, 13 Sep 2022 06:00:00 -0400
15	pubmed:36098742	Realgar (As_4S_4), a traditional Chinese medicine, induces acute promyelocytic leukemia cell death via the Bcl-2/Bax/Cyt-C/AIF signaling pathway *in vitro*	Zonghong Li Ruiming Zhang Xuewei Yin Nana Li Siyuan Cui Teng Wang Xing Tan Mingyue Shen Yun Guo Jinxin Wang Dadong Guo Ruirong Xu	Acute promyelocytic leukemia (APL) is a specific subtype of acute myelogenous leukemia (AML) characterized by the proliferation of abnormal promyelocytes. Realgar, a Chinese medicine containing arsenic, can be taken orally. Traditional Chinese medicine physicians have employed realgar to treat APL for over a thousand years. Therefore, realgar may be a promising candidate for the treatment of APL. Nevertheless, the underlying mechanism behind realgar therapy is largely unclear. The present study...	pmid:36098742 doi:10.18632/aging.204281	Tue, 13 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
16	pubmed:36098794	Recipient colon preoperative treatment with type I collagenase and fibronectin promotes the growth of transplanted enteric neural crest cells into Auerbach's plexus	Tsuyoshi Kuwahara Yoshitomo Yasui Hisayoshi Yoshizaki Mari Morikawa Miyuki Kohno Hideaki Okajima	CONCLUSION: We demonstrated that transplanted neurospheres grow into Auerbach's plexus in the recipient colon pretreated with collagenase and fibronectin.	pmid:36098794 doi:10.1007/s00383-022-05224-w	Tue, 13 Sep 2022 06:00:00 -0400
17	pubmed:36098834	The role and function of CLU in cancer biology and therapy	Yefei Zhang Xiang Lv Liming Chen Yan Liu	Clusterin (CLU) is a highly evolutionary conserved glycoprotein with multiple isoform-specific functions and is widely distributed in different species. Accumulated evidence has shown the prominent role of CLU in regulating several essential physiological processes, including programmed cell death, metastasis, invasion, proliferation and cell growth via regulating diverse signaling pathways to mediate cancer progression in various cancers, such as prostate, breast, lung, liver, colon, bladder...	pmid:36098834 doi:10.1007/s10238-022-00885-2	Tue, 13 Sep 2022 06:00:00 -0400
18	pubmed:36098930	Periodontitis: An Oral Disease with Severe Consequences	Rina Rani Ray	Periodontitis, being a multifactorial disorder is found to be the most common oral disease denoted by the inflammation of gingiva and resorption of tooth supporting alveolar bone. The disease being closely linked with fast life style and determined by unhygienic behavioural factors, the internal milieu of oral cavity and formation of plaque biofilm on the dental and gingival surfaces. Porphyromonas gingivalis, being the major keystone pathogen of the periodontal biofilm evokes host immune...	pmid:36098930 doi:10.1007/s12010-022-04127-9	Tue, 13 Sep 2022 06:00:00 -0400
19	pubmed:36099017	Analysis of genotype-phenotype correlation in patients with -thalassemia from Fujian province, Southeastern China	Yali Pan Meihuan Chen YanHong Zhang Min Zhang Lingji Chen Na Lin Liangpu Xu Hailong Huang	CONCLUSION: The clinical phenotype of -thalassemia is influenced by molecular mechanisms. HBA1: c.16G>A mutation is a novel mutation that was first reported in Fujian province, which enriches the human hemoglobin mutation spectrum.	pmid:36099017 doi:10.1002/jcla.24696	Tue, 13 Sep 2022 06:00:00 -0400
20	pubmed:36099033	Pharmacological TRPC6 inhibition improves survival and muscle function in mice with duchenne muscular dystrophy	Brian L Lin Joseph Y Shin William Pd Jeffreys Nadan Wang Clarisse A Lukban Megan C Moorer Esteban Velarde Olivia A Hanselman Seoyoung Kwon Suraj Kannan Ryan C Riddle Christopher W Ward Steven S Pullen Antonio Filareto David A Kass	Gene mutations causing loss of dystrophin result in the severe muscle disease known as Duchenne muscular dystrophy (DMD). Despite efforts at genetic repair, DMD therapy remains largely palliative. Loss of dystrophin destabilizes the sarcolemmal membrane impacting mechanosensitive cation channels to increase calcium entry, promoting cell damage, and eventually muscle dysfunction. One putative channel is transient receptor potential canonical 6 (TRPC6) that we showed contributes to abnormal force...	pmid:36099033 doi:10.1172/jci.insight.158906	Tue, 13 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
21	pubmed:36099045	Microvasculopathy in SMA is driven by a reversible autonomous endothelial cell defect	Haiyan Zhou Ying Hong Mariacristina Scoto Alison Thomson Emma Pead Tom MacGillivray Elena Hernandez-Gerez Francesco Catapano Jinhong Meng Qiang Zhang Gillian Hunter Hannah K Shorrock Thomas K Ng Abedallah Hamida Mathilde Sanson Giovanni Baranello Kevin Howell Thomas H Gillingwater Paul Brogan Dorothy A Thompson Simon H Parson Francesco Muntoni	Spinal muscular atrophy (SMA) is a neuromuscular disorder due to degeneration of spinal cord motor neurons caused by the deficiency of the ubiquitously expressed SMN protein. Here, we present a retinal vascular defect in patients, recapitulated in SMA transgenic mice, driven by failure of angiogenesis and maturation of blood vessels. Importantly, the retinal vascular phenotype was rescued by early, systemic SMN restoration therapy in SMA mice. We also demonstrate in patients an unfavourable...	pmid:36099045 doi:10.1172/JCI153430	Tue, 13 Sep 2022 06:00:00 -0400
22	pubmed:36099093	Protective Effect of Polaprezinc and Hyperbaric Oxygen Therapy on Radiation-induced Small Intestinal Damage in Mice	Hitomi Suzuki Masayuki Fujiwara Hiroshi Kodama Norihiko Kamikonya Yasue Niwa Nahomi Yoshimura Ryo Kunimoto Haruyuki Takaki Koichiro Yamakado	CONCLUSION: Both polaprezinc administration and hyperbaric oxygen therapy are effective in relieving radiation-induced small intestinal damage, and a synergistic or additive effect is expected when using both.	pmid:36099093 doi:10.21873/invivo.12948	Tue, 13 Sep 2022 06:00:00 -0400
23	pubmed:36099094	Combination Treatment Using Pyruvate Kinase M2 Inhibitors for the Sensitization of High Density Triple-negative Breast Cancer Cells	Ji Sun Lee Yunmoon Oh Jin-Sol Lee Jae Hyeon Park Joo-Kyung Shin Joo-Hee Han Hyung Sik Kim Sungpil Yoon	CONCLUSION: PKM2 is a regulator of the oncogenic function of TNBC, and combination therapy with various PKM2 inhibitors may be effective for high-density TNBC. Targeting PKM2 in TNBC lays the foundation for the development of PKM2 inhibitors as promising anti-TNBC agents.	pmid:36099094 doi:10.21873/invivo.12936	Tue, 13 Sep 2022 06:00:00 -0400
24	pubmed:36099101	Epipharyngeal Abrasive Therapy Down-regulates the Expression of Cav1.2: A Key Molecule in Influenza Virus Entry	Kensuke Nishi Shohei Yoshimoto Soichiro Nishi Tatsuro Nishi Ryushiro Nishi Toshiyuki Tsunoda Hiromitsu Morita Hiroaki Tanaka Osamu Hotta Susumu Yasumasu Kenji Hiromatsu Senji Shirasawa Takashi Nakagawa Takafumi Yamano	CONCLUSION: EAT down-regulates the expression of Cav1.2, a key cell surface molecule in influenza virus entry via squamous metaplasia. Thus, EAT may be a simple method for preventing influenza infection.	pmid:36099101 doi:10.21873/invivo.12967	Tue, 13 Sep 2022 06:00:00 -0400
25	pubmed:36099107	Three-dimensional Collagen Scaffolds in Cultures of Olfactory Ensheathing Cells Used for Severed Spinal Cord Regeneration	Wojciech Fortuna Benita Wiatrak Paulina Jawie Adriana Kubis-Kubiak Ying Li Daqing Li Pawe Tabakow	CONCLUSION: The culture of OECs based on reagents intended for human use can be successfully carried out, obtaining sufficient OECs content in the heterogeneous cell culture to produce a functional advanced therapy medicinal product.	pmid:36099107 doi:10.21873/invivo.12929	Tue, 13 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
26	pubmed:36099287	Comparative whole transcriptome analysis of gene expression in three canine soft tissue sarcoma types	Lydia Lam Tien Tien Mark Wildung Laura White Rance K Sellon Janean L Fidel Eric A Shelden	Soft tissue sarcomas are pleiotropic tumors of mesenchymal cell origin. These tumors are rare in humans but common in veterinary practice, where they comprise up to 15% of canine skin and subcutaneous cancers. Because they present similar morphologies, primary sites, and growth characteristics, they are treated similarly, generally by surgical resection followed by radiation therapy. Previous studies have examined a variety of genetic changes as potential drivers of tumorigenesis and progression...	pmid:36099287 doi:10.1371/journal.pone.0273705	Tue, 13 Sep 2022 06:00:00 -0400
27	pubmed:36099324	Intraperitoneal monocytes and interferons as a novel cellular immunotherapy for ovarian cancer: mechanistic characterization and results of a phase I clinical trial	Daniel S Green Franklin Ning Anna Duemler Timothy G Myers Kathryn Trewitt Irene Ekwede Ann McCoy Nicole Houston Jung-Min Lee Stanley Lipkowitz Alexandra Zimmer Miroslava Pavelova Erin N Villanueva Leslie Smith Andrew Blakely Yovanni Casablanca Steven L Highfill David F Stroncek Naoza Collins-Johnson Sandhya Panch JoLynn Procter Chauha Pham Steven M Holland Lindsey B Rosen Ana T Nunes Kathryn C Zoon Christopher B Cole Christina M Annunziata	CONCLUSIONS: Given the mechanism of cancer cell death, and the acceptable tolerability of the clinical regimen, this platform presents a possibility for future combination therapies to augment anti-cancer immunity.	pmid:36099324 doi:10.1158/1078-0432.CCR-22-1893	Tue, 13 Sep 2022 06:00:00 -0400
28	pubmed:36099378	Total serum bile acids predict therapy for HBeAg-negative chronic hepatitis B patients with borderline ALT and high HBV DNA	Ran Xie Jiao Li Hao Zhang Ling-Mei Wang Cheng-Rong Huang Li-Wen Chen	CONCLUSIONS: TSBAs can be used for predicting antiviral therapy in CHB patients with HBeAg-negative, borderline ALT and high HBV DNA.	pmid:36099378 doi:10.3855/jidc.15915	Tue, 13 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
29	pubmed:36099435	A Randomized Trial of Mesenchymal Stromal Cells for Moderate to Severe ARDS From COVID-19	Michael E Bowdish Christina E Barkauskas Jessica R Overbey Robert L Gottlieb Keren Osman Abhijit Duggal Mary E Marks Jonathan Hupf Eustace Fernandes Bradley G Leshnower Jonathan L Golob Alexander Iribarne Athos J Rassias Ellen G Moquete Karen O'Sullivan Helena L Chang Judson B Williams Sam Parnia Nirav C Patel Nimesh D Desai Andrew M Vekstein Beth A Hollister Tammie Possemato Christian Romero Peter C Hou Elizabeth Burke Jack Hayes Fred Grossman Silviu Itescu Marc Gillinov Francis D Pagani Patrick T O'Gara Michael J Mack Peter K Smith Emilia Bagiella Alan J Moskowitz Annetine C Gelijns	CONCLUSIONS: Mesenchymal cells, while safe, did not improve 30-day survival or 60-day ventilator-free days in patients with moderate/severe COVID-related acute respiratory distress syndrome. Clinical trial registration available at www.	pmid:36099435 doi:10.1164/rccm.202201-0157OC	Tue, 13 Sep 2022 06:00:00 -0400
30	pubmed:36099437	p53 pathway inactivation drives SMARCB1-deficient p53-wildtype epithelioid sarcoma onset indicating therapeutic vulnerability through MDM2 inhibition	Felix Oppel Senyao Shao Sarah Gendreizig Mark W Zimmerman Matthias Schürmann Flavian Viyof Ful Peter Goon Susan N Chi Jon C Aster Holger Sudhoff A Thomas Look	Loss of the gene SMARCB1 drives the development of malignant rhabdoid tumors, epithelioid sarcomas, and other malignancies. The SMARCB1 protein is a core component of the SWI/SNF-family of chromatin remodeling complexes, which are important regulators of gene expression and cell differentiation. Here, we use CRISPR-Cas9 to create germline smarcb1 loss-of-function in zebrafish. We demonstrate that the combination of smarcb1-deficiency with mutant p53 results in the development of epithelioid...	pmid:36099437 doi:10.1158/1535-7163.MCT-21-0770	Tue, 13 Sep 2022 06:00:00 -0400
31	pubmed:36099493	Pharmacological Ascorbate Enhances Chemotherapies in Pancreatic Ductal Adenocarcinoma	Brianne R O'Leary Elena K Ruppenkamp Garett J Steers Juan Du Rory S Carroll Brett A Wagner Garry R Buettner Joseph J Cullen	CONCLUSIONS: The addition of P-AscH- to standard of care chemotherapy has the potential to be an effective adjuvant for PDAC treatment.	pmid:36099493 doi:10.1097/MPA.0000000000002086	Tue, 13 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
32	pubmed:36099709	Optimising tissue acquisition and the molecular testing pathway for patients with non-small cell lung cancer: A UK expert consensus statement	Neal Navani Rachel Butler Salma Ibrahimo Anjali Verma Matthew Evans Gary J Doherty Samreen Ahmed	Targeted therapy against actionable variants has revolutionised the treatment landscape for non-small cell lung cancer (NSCLC). Approximately half of NSCLC adenocarcinomas have an actionable variant, making molecular testing a critical component of the diagnostic process to personalise therapeutic options, optimise clinical outcomes and minimise toxicity. Recently, genomic testing in England has undergone major changes with the introduction of Genomic Laboratory Hubs, designed to consolidate and...	pmid:36099709 doi:10.1016/j.lungcan.2022.08.003	Tue, 13 Sep 2022 06:00:00 -0400
33	pubmed:36099712	Phototheranostic nanoparticles with aggregation-induced emission as a four-modal imaging platform for image-guided photothermal therapy and ferroptosis of tumor cells	Zhenjie Wang Yuehua Wang Heqi Gao Chenhong Tang Zhenzhen Feng Ling Lin Siyao Che Chunmei Luo Dan Ding Donghui Zheng Zhiqiang Yu Zhenwei Peng	Due to the aggregation-caused quenching (ACQ) and weak photo-penetrating ability, the application of phototheranostic agents in drug delivery field is greatly limited. Ferroptosis, a newly discovered cell death mode, has not been extensively studied in the field of phototherapy up to now. Here, a new near-infrared II (NIR-II) molecule with aggregation-induced emission (AIE) property (named TSST) co-assembled with DHA-PEG and ferrocene as nanoparticles (DFT-NP), which was rationally designed and...	pmid:36099712 doi:10.1016/j.biomaterials.2022.121779	Tue, 13 Sep 2022 06:00:00 -0400
34	pubmed:36099756	Histopathologic and transcriptomic phenotypes of a conditional RANKL transgenic mouse thymus	Maria M Szwarc Lan Hai Vineet K Maurya Kimal Rajapakshe Dimuthu Perera Michael M Ittmann Qianxing Mo Yong Lin Matthew L Bettini Cristian Coarfa John P Lydon	Although conventional knockout and transgenic mouse models have significantly advanced our understanding of Receptor Activator of NF-B Ligand (RANKL) signaling in intra-thymic crosstalk that establishes self-tolerance and later stages of lymphopoiesis, the unique advantages of conditional mouse transgenesis have yet to be explored. A main advantage of conditional transgenesis is the ability to express a transgene in a spatiotemporal restricted manner, enabling the induction (or de-induction) of...	pmid:36099756 doi:10.1016/j.cyto.2022.156022	Tue, 13 Sep 2022 06:00:00 -0400
35	pubmed:36099786	Repurposing metformin as a potential treatment for inflammatory bowel disease: Evidence from cell to the clinic	Wasuwit Wanchaitanawong Nithi Thinrungroj Siriporn C Chattipakorn Nipon Chattipakorn Krekwit Shinlapawittayatorn	Inflammatory bowel disease (IBD) comprises a group of intestinal disorders, including ulcerative colitis and Crohn's disease. Currently, the incidence and prevalence of IBD are increasing globally. Although both biologic agents and small molecule drugs have been available for treatment of IBD patients, approximately one third of treated patients do not respond to these treatments. Therefore, novel therapy or repurposing of drugs have been extensively studied to obtain an effective therapy for...	pmid:36099786 doi:10.1016/j.intimp.2022.109230	Tue, 13 Sep 2022 06:00:00 -0400
36	pubmed:36099796	Combinatorial approaches of nanotherapeutics for inflammatory pathway targeted therapy of prostate cancer	Renjith P Johnson Chandrahas Koumar Ratnacaram Lalit Kumar Jobin Jose	Prostate cancer (PC) is the most prevalent male urogenital cancer worldwide. PC patients presenting an advanced or metastatic cancer succumb to the disease, even after therapeutic interventions including radiotherapy, surgery, androgen deprivation therapy (ADT), and chemotherapy. One of the hallmarks of PC is evading immune surveillance and chronic inflammation, which is a major challenge towards designing effective therapeutic formulations against PC. Chronic inflammation in PC is often...	pmid:36099796 doi:10.1016/j.drup.2022.100865	Tue, 13 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
37	pubmed:36099831	Involvement of inflammatory cytokines and epigenetic modification of the mtTFA complex in T-helper cells of patients' suffering from non-small cell lung cancer and chronic obstructive pulmonary disease	Geetha Shanmugam Jithin S Sunny Sudhesna Rakshit Melvin George K V Leela Koustav Sarkar	Dysregulated inflammatory response plays a crucial role in the pathogenesis of chronic obstructive pulmonary disease (COPD) and Non-Small cell lung cancer (NSCLC). Hence, the purpose of this research is to uncover the link between alterations in inflammatory cytokine levels and disease progression in CD4^(+)T cells of patients suffering from COPD and lung cancer. We also investigated the epigenetic regulation of mtTFA to delineate the role of oxidative stress-mediated inflammation in Lung cancer...	pmid:36099831 doi:10.1016/j.molimm.2022.08.006	Tue, 13 Sep 2022 06:00:00 -0400
38	pubmed:36099882	Acquired semi-squamatization during chemotherapy suggests differentiation as a therapeutic strategy for bladder cancer	Manli Wang Xuelan Chen Ping Tan Yiyun Wang Xiangyu Pan Tianhai Lin Yong Jiang Bo Wang Huan Xu Yuying Wang Yucen Yang Jian Wang Lei Zhao Jiapeng Zhang Ailing Zhong Yiman Peng Jiajia Du Qi Zhang Jianan Zheng Jingyao Chen Siqi Dai Feifei Na Zhenghao Lu Jiaming Liu Xiaonan Zheng Lu Yang Peng Zhang Ping Han Qiyong Gong Qian Zhong Kai Xiao Hanshuo Yang Hongxin Deng Yinglan Zhao Hubing Shi Jianghong Man Maling Gou Chengjian Zhao Lunzhi Dai Zhihong Xue Lu Chen Yuan Wang Musheng Zeng Canhua Huang Qiang Wei Yuquan Wei Yu Liu Chong Chen	Cisplatin-based chemotherapy remains the primary treatment for unresectable and metastatic muscle-invasive bladder cancers (MIBCs). However, tumors frequently develop chemoresistance. Here, we established a primary and orthotopic MIBC mouse model with gene-edited organoids to recapitulate the full course of chemotherapy in patients. We found that partial squamous differentiation, called semi-squamatization, is associated with acquired chemoresistance in both mice and human MIBCs. Multi-omics...	pmid:36099882 doi:10.1016/j.ccell.2022.08.010	Tue, 13 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
39	pubmed:36099884	Spatial transcriptomics	Ana C Anderson Itai Yanai Lucy R Yates Linghua Wang Alexander Swarbrick Peter Sorger Sandro Santagata Wolf H Fridman Qiang Gao Livnat Jerby Benjamin Izar Lulu Shang Xiang Zhou	Spatial transcriptomics, with other spatial technologies, has enabled scientists to dissect the organization and interaction of different cell types within the tumor microenvironment. We asked experts to discuss some aspects of this technology from revealing the tumor microenvironment and heterogeneity, to tracking tumor evolution, to guiding tumor therapy, to current technical challenges.	pmid:36099884 doi:10.1016/j.ccell.2022.08.021	Tue, 13 Sep 2022 06:00:00 -0400
40	pubmed:36099919	PSMG2-controlled proteasome-autophagy balance mediates the tolerance for MEK-targeted therapy in triple-negative breast cancer	Xueyan Wang Jing Yu Xiaowei Liu Dan Luo Yanchu Li Linlin Song Xian Jiang Xiaomeng Yin Yan Wang Li Chai Ting Luo Jing Jing Hubing Shi	Although the MAPK pathway is aberrantly activated in triple-negative breast cancers (TNBCs), the clinical outcome of MEK-targeted therapy is still poor. Through a genome-wide CRISPR-Cas9 library screening, we find that inhibition of PSMG2 sensitizes TNBC cells BT549 and MB468 to the MEK inhibitor AZD6244. Mechanistically, PSMG2 knockdown impairs proteasome function, which in turn activates autophagy-mediated PDPK1 degradation. The PDPK1 degradation significantly enhances AZD6244-induced tumor...	pmid:36099919 doi:10.1016/j.xcrm.2022.100741	Tue, 13 Sep 2022 06:00:00 -0400
41	pubmed:36099921	The long road traveled in hematopoietic stem cell gene therapy	David A Williams	No abstract	pmid:36099921 doi:10.1016/j.ymthe.2022.08.022	Tue, 13 Sep 2022 06:00:00 -0400
42	pubmed:36099926	Adjuvant atezolizumab versus placebo for patients with renal cell carcinoma at increased risk of recurrence following resection (IMmotion010): a multicentre, randomised, double-blind, phase 3 trial	Sumanta Kumar Pal Robert Uzzo Jose Antonio Karam Viraj A Master Frede Donskov Cristina Suarez Laurence Albiges Brian Rini Yoshihiko Tomita Ariel Galapo Kann Giuseppe Procopio Francesco Massari Matthew Zibelman Igor Antonyan Mahrukh Huseni Debasmita Basu Bo Ci William Leung Omara Khan Sarita Dubey Axel Bex	BACKGROUND: The standard of care for locoregional renal cell carcinoma is surgery, but many patients experience recurrence. The objective of the current study was to determine if adjuvant atezolizumab (vs placebo) delayed recurrence in patients with an increased risk of recurrence after resection.	pmid:36099926 doi:10.1016/S0140-6736(22)01658-0	Tue, 13 Sep 2022 06:00:00 -0400
43	pubmed:36099963	Advancement of cell-penetrating peptides in combating triple-negative breast cancer	Mahak Fatima Mohammed A S Abourehab Geeta Aggarwal Gaurav K Jain Amirhossein Sahebkar Prashant Kesharwani	Extensive research efforts have been made and are still ongoing in the search for an ideal anti-cancer therapy. Almost all chemotherapeutics require a carrier or vehicle, a drug delivery system that can transport the drug specifically to the targeted cancer cells, sparing normal cells. Cell-penetrating peptides (CPPs) provide an effective and efficient pathway for the intra-cellular transportation of various bioactive molecules in several biomedical therapies. They are now well-recognized as...	pmid:36099963 doi:10.1016/j.drudis.2022.103353	Tue, 13 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
44	pubmed:36099972	CRB1-associated Retinal Dystrophies: Genetics, Clinical Characteristics and Natural History	Malena Daich Varela Michalis Georgiou Yahya Alswaiti Jamil Kabbani Kaoru Fujinami Yu Fujinami-Yokokawa Shaheeni Khoda Omar A Mahroo Anthony G Robson Andrew R Webster Alaa AlTalbishi Michel Michaelides	CONCLUSIONS: A subset of individuals with CRB1 variants present with mild, adult-onset RP. EOSRD/LCA phenotype was significantly associated with null variants, and 167_169 deletion was exclusively present in the MD cohort. The poor OCT lamination may have a degenerative component, as well as being congenital. Disease symmetry and reasonable window for intervention highlight CRB1 retinal dystrophies as a promising target for trials of novel therapeutics.	pmid:36099972 doi:10.1016/j.ajo.2022.09.002	Tue, 13 Sep 2022 06:00:00 -0400
45	pubmed:36099992	Fucoidan from Sargassum hemiphyllum inhibits the stemness of cancer stem cells and epithelial-mesenchymal transitions in bladder cancer cells	Chun-Ju Sung Hsiao-Hsien Wang Kuang-Hui Sun Chii-Cheng Hsieh Roger Huang Guang-Huan Sun Shye-Jye Tang	A variety of anticancer activities have been established for fucoidan from brown algae, whereas whether cancer stem cells (CSCs) are inhibited by sulfated polysaccharides is unexplored. In this study, fucoidan extracted from Sargassum hemiphyllum was showed heat stable and might tolerate 140 °C treatment. Fucoidan did not exhibit cytotoxicity in 5637 and T24 bladder cancer cells. After fucoidan treatment, the stress fibers were aggregated into thick and abundant underneath the plasma membrane...	pmid:36099992 doi:10.1016/j.ijbiomac.2022.09.047	Tue, 13 Sep 2022 06:00:00 -0400
46	pubmed:36099995	Integrated construction of silkworm cocoon-inspired 3D scaffold for improving cell manufacture and cryopreservation	Jianmei Chen Yurui Xu Xinghai Ning	Although cellular therapy holds enormous promise in treating intractable diseases, its application potential has been significantly hampered due to the scarcity of reliable and consistent cell sources. Therefore, a high-efficiency strategy that improves cell production and storage is desperately needed. Herein, we develop a versatile 3D bioinspired scaffold (Cryosilk) for improving scalable cell manufacture and cryopreservation. A bottom-up fabrication technique integrating electrospinning, in...	pmid:36099995 doi:10.1016/j.ijbiomac.2022.09.063	Tue, 13 Sep 2022 06:00:00 -0400
47	pubmed:36100069	Can 3D Bioprinting Solve the Mystery of Senescence in Cancer Therapy?	Sofian Al Shboul Valerie J DeLuca Yazan Al Dweiri Tareq Saleh	Tumor dormancy leading to cancer relapse is still a poorly understood mechanism. Several cell states such as quiescence and diapause can explain the persistence of tumor cells in a dormant state, but the potential role of tumor cell senescence has been met with hesitance given the historical understanding of the senescent growth arrest as irreversible. However, recent evidence has suggested that senescence might contribute to dormancy and relapse, although its exact role is not fully developed....	pmid:36100069 doi:10.1016/j.arr.2022.101732	Tue, 13 Sep 2022 06:00:00 -0400
48	pubmed:36100144	Clinical characteristics and treatment of IMP-type carbapenemase-producing Enterobacteriaceae bacteremia: Case series and literature review	Keiko Soneda Kazuhiro Uda Kotaro Araki Takatsugu Murakoshi Yuki Yuza Osamu Saito Kazue Kinoshita Hiroshi Higuchi Yuho Horikoshi	CONCLUSIONS: We report the first case series of IMP-type CPE bacteremia in children. Our review of past studies suggests that combination therapy might lead to better survival outcomes in patients with IMP-type CPE bacteremia. Further research is needed to establish an optimal treatment strategy for IMP-type CPE bacteremia.	pmid:36100144 doi:10.1016/j.jiac.2022.09.003	Tue, 13 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
49	pubmed:36100166	Association of MMP9 with adverse features of plaque progression and residual inflammatory risk in patients with chronic coronary syndrome (CCS)	Chiara Caselli Nicoletta Di Giorgi Rosetta Ragusa Valentina Lorenzoni Jeff Smit Mohammed El Mahdiui Ronny R Buechel Anna Teresinska Maria N Pizzi Albert Roque Rosa Poddighe Juhani Knuuti Moritz Schütte Oberdan Parodi Gualtiero Pelosi Arthur Scholte Silvia Rocchiccioli Danilo Neglia SMARTool Investigators	CONCLUSIONS: Among CCS patients, MMP9 is an independent predictive marker of progression of adverse coronary plaques, possibly reflecting the activity of inflammatory pathways conditioning adverse plaque phenotypes. Thus, blood MMP9 might be used for the identification of patients with residual risk even with optimal management of classical cardiovascular risk factors who may derive the greatest benefit from targeted anti-inflammatory drugs.	pmid:36100166 doi:10.1016/j.vph.2022.107098	Tue, 13 Sep 2022 06:00:00 -0400
50	pubmed:36100308	Preclinical characterization and clinical translation of pharmacodynamic markers for MK-5890: a human CD27 activating antibody for cancer immunotherapy	Lars Guelen Thierry O Fischmann Jerelyn Wong Smita Mauze Marco Guadagnoli Nikolina Bbaa Jozef Wagenaars Veronica Juan David Rosen Winnie Prosise Maurice Habraken Imke Lodewijks Danling Gu Judith Stammen-Vogelzangs Ying Yu Jeanne Baker David Lutje Hulsik Lilian Driessen-Engels Dan Malashock Joost Kreijtz Astrid Bertens Evert de Vries Astrid Bovens Arne Bramer Yiwei Zhang Richard Wnek Sean Troth Elliot Chartash Konstantin Dobrenkov Svetlana Sadekova Andrea van Elsas Jason K Cheung Laurence Fayadat-Dilman Jannie Borst Amy M Beebe Hans Van Eenennaam	CONCLUSIONS: MK-5890 is a novel CD27 agonistic antibody with the potential to complement the activity of PD-1 checkpoint inhibition in cancer immunotherapy and is currently undergoing clinical evaluation.	pmid:36100308 doi:10.1136/jitc-2022-005049	Tue, 13 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
51	pubmed:36100309	Phase I/II clinical trial of a helper peptide vaccine plus PD-1 blockade in PD-1 antibody-naïve and PD-1 antibody-experienced patients with melanoma (MEL64)	Rick Daniel Vavolizza Gina R Petroni Ileana S Mauldin Kimberly A Chianese-Bullock Walter C Olson Kelly T Smith Lynn T Dengel Kathleen Haden William W Grosh Varinder Kaur Nikole Varhegyi Elizabeth M Gaughan Craig L Slingluff	CONCLUSIONS: Treatment with the 6MHP vaccine plus pembrolizumab was safe, increased intratumoral lymphocytes, and induced T cell Rsps associated with prolonged OS. The low T cell Rsp rate in PD-1 Ab-experienced participants corroborates prior murine studies that caution against delaying cancer vaccines until after PD-1 blockade. The promising objective response rate and OS in PD-1 Ab-naïve participants support consideration of a larger study in that setting.	pmid:36100309 doi:10.1136/jitc-2022-005424	Tue, 13 Sep 2022 06:00:00 -0400
52	pubmed:36100310	Phase 1 study of C-CAR088, a novel humanized anti-BCMA CAR T-cell therapy in relapsed/refractory multiple myeloma	Xiaoyan Qu Gang An Weiwei Sui Tingyu Wang Xian Zhang Junfang Yang Yan Zhang Lu Zhang Dan Zhu Jiaqi Huang Shigui Zhu Xin Yao Jing Li Chengxiao Zheng Kevin Zhu Yutian Wei Xiaoteng Lv Liping Lan Yihong Yao Daobin Zhou Peihua Lu Lugui Qiu Jianyong Li	CONCLUSIONS: The present study demonstrated that C-CAR088 had a good safety profile and high antitumor activity in patients with RRMM, constituting a promising treatment option for RRMM.	pmid:36100310 doi:10.1136/jitc-2022-005145	Tue, 13 Sep 2022 06:00:00 -0400
53	pubmed:36100312	Elicitation of stem-like $CD8^{+}$ T cell responses via lymph node-targeted chemoimmunotherapy evokes systemic tumor control	Margaret P Manspeaker Meghan J O'Melia Susan N Thomas	CONCLUSIONS: These findings suggest a previously underappreciated role of secondary lymphoid tissues in mediating effects of chemoimmunotherapy and demonstrate the potential for nanotechnology to unleashing drug synergies via lymph node targeted delivery to elicit improved response of breast and other cancers.	pmid:36100312 doi:10.1136/jitc-2022-005079	Tue, 13 Sep 2022 06:00:00 -0400
54	pubmed:36100322	The power and the promise of CRISPR/Cas9 genome editing for clinical application with gene therapy	Ning Guo Ji-Bin Liu Wen Li Yu-Shui Ma Da Fu	BACKGROUND: Clustered Regularly Interspaced Short Palindromic Repeats (CRISPR) is derived from the bacterial innate immune system and engineered as a robust gene-editing tool. Due to the higher specificity and efficiency of CRISPR/Cas9, it has been widely applied to many genetic and non-genetic disease, including cancers, genetic hemolytic diseases, acquired immunodeficiency syndrome, cardiovascular diseases, ocular diseases, and neurodegenerative diseases, and some X-linked diseases....	pmid:36100322 doi:10.1016/j.jare.2021.11.018	Tue, 13 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
55	pubmed:36100457	Islamic Republic of Iran - a surprisingly progressive centre of medical tourism	Veronika Sobotková	The Islamic Republic of Iran is a very progressive state in the field of medical research and its application. Although the country is fully subject to Islamic law (shari'a) and the influence of Shi'ite clerics, the development of medical science is not limited at all; Shi'ite medical ethics (unlike Sunnite) allows most of the modern medical techniques. Due to this attitude, Iran specializes today in many techniques that are prohibited in other countries for religious or ethical...	pmid:36100457	Tue, 13 Sep 2022 06:00:00 -0400
56	pubmed:36100483	Epidemiology of Renal Cell Carcinoma: 2022 Update	Laura Bukavina Karim Bensalah Freddie Bray Maria Carlo Ben Challacombe Jose Karam Wassim Kassouf Thomas Mitchell Rodolfo Montironi Tim O'Brien Valeria Panebianco Ghislaine Scelo Brian Shuch Hein van Poppel Christopher D Blosser Sarah P Psutka	CONCLUSIONS: KC incidence and mortality rates vary significantly by geography, sex, and age. Associations of the development of KC with modifiable and fixed risk factors such as obesity, hypertension, smoking, and chronic kidney disease (CKD)/end-stage kidney disease (ESKD) are well described. Recent advances in the genetic characterization of these cancers have led to a better understanding of the germline and somatic mutations that predispose patients to KC development, with potential for...	pmid:36100483 doi:10.1016/j.eururo.2022.08.019	Tue, 13 Sep 2022 06:00:00 -0400
57	pubmed:36100512	The Effect of Intrathoracic Lesion Location on Initial Tyrosine Kinase Inhibitor Response in Advanced Oncogene-Addicted Non-Small Cell Lung Cancer: A Comparison Between RECIST 1.1 and a Novel Method of Response Assessment (MAX)	Tami J Bang Junxiao Hu Tejas Patil Anna E Barón Dexiang Gao James Chih-Hsin Yang Hung-Yang Kuo Hsin-Chieh Huang Peter B Sachs D Ross Camidge	CONCLUSION: Intrathoracic lesion location affects RECIST-based treatment effectiveness estimations. The MAX methodology neutralizes location effect when examining impact of treatment and should be explored further.	pmid:36100512 doi:10.1016/j.cllc.2022.08.004	Tue, 13 Sep 2022 06:00:00 -0400
58	pubmed:36100543	Novel cellular therapies for hepatobiliary malignancies	Jing-Nan Xue Yan-Yu Wang Yun-Chao Wang Nan Zhang Long-Hao Zhang Zheng-Hui Lu Li-Jin Zhao Hai-Tao Zhao	CONCLUSIONS: With the continuous advances of cellular immunotherapy, the combination of cellular immunotherapy with surgery, chemotherapy and radiotherapy will be new therapeutic strategies for patients with hepatobiliary cancer.	pmid:36100543 doi:10.1016/j.hbpd.2022.08.014	Tue, 13 Sep 2022 06:00:00 -0400
59	pubmed:36100559	Polydopamine-engineered Theranostic Nanoscouts Enabling Intracellular HSP90 mRNAs Fluorescence Detection for Imaging-Guided Chemo-Photothermal Therapy	Geng Yang Mengyue Li Ting Song Xiangyan Chen Hanxi Zhang Xiaodan Wei Ningxi Li Tingting Li Xiang Qin Shun Li Fengming You Chunhui Wu Wei Zhang Yiyao Liu Hong Yang	The combination of photothermal therapy (PTT) and chemotherapy is considered a promising tumor treatment modality, nevertheless, cellular resistance induced by heat shock proteins (HSPs) overexpressed in tumor cells will restrict the therapeutic effect. Herein, we propose a multifunctional nanobeacon DOX/HCuS@PDA-MB (D/CP-MB) with a scout function for HSP90 mRNA fluorescence detection and near-infrared (NIR) triggered drug release for sensitizing chemo-photothermal therapy. In the theranostic...	pmid:36100559 doi:10.1002/adhm.202201615	Tue, 13 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
60	pubmed:36100735	Targeted delivery of nuclear targeting probe for bladder cancer using cyclic pentapeptide c(RGDfK) and acridine orange	Jiaxin Qin Qing Liang Guangyue Wang Lin Hao Xing Liu Xinlei Wang Zhengxiang Hu Gaochuan Fang Liang Xue Yan Zhao Rui Li Qian Lv Jiling Wen Guosheng Yang Conghui Han Zhenduo Shi	CONCLUSIONS: The AO-(cRGDfK)(2) probe exhibited nuclear-specific accumulation in BCa cells without cytotoxicity, which provides an innovative alternative to improve anticancer therapy for BCa.	pmid:36100735 doi:10.1007/s12094-022-02938-0	Tue, 13 Sep 2022 06:00:00 -0400
61	pubmed:36100762	New inflammatory indicators for cell-based liquid biopsy: association of the circulating CD44+/CD24- non-hematopoietic rare cell phenotype with breast cancer residual disease	Stefan Schreier Prapaphan Budchart Supareerk Borwornpinyo Wichit Arpornwirat Panuwat Lertsithichai Prakasit Chirappapha Wannapong Triampo	CONCLUSION: The CD44+ rare cell and subtype denotes improvement in detection of residual cancer disease and may provide an objective and alternative measure of disease burden in early-stage breast cancer.	pmid:36100762 doi:10.1007/s00432-022-04330-5	Tue, 13 Sep 2022 06:00:00 -0400
62	pubmed:36100844	Programmed cell death ligand 1 measurement study in granulocyte colony-stimulating factor-producing lung cancer: an observational study	Kazuhito Miyazaki Aya Shiba Toshiki Ikeda Yuko Higashi Masaharu Aga Yusuke Hamakawa Yuri Taniguchi Yuki Misumi Yoko Agemi Yukiko Nakamura Tsuneo Shimokawa Hiroaki Okamoto	CONCLUSION: G-CSF-producing lung cancers may be associated with increased PD-L1 expression. Although immune checkpoint inhibitors are an important treatment option for G-CSF-producing tumors, their effects are limited.	pmid:36100844 doi:10.1186/s12885-022-10065-w	Tue, 13 Sep 2022 06:00:00 -0400
63	pubmed:36100873	Investigation of CRS-associated cytokines in CAR-T therapy with meta-GNN and pathway crosstalk	Zhenyu Wei Qi Cheng Nan Xu Chengkui Zhao Jiayu Xu Liqing Kang Xiaoyan Lou Lei Yu Weixing Feng	CONCLUSIONS: 128 cytokines and related molecules had been found to be closely related to CRS in CAR-T therapy, where several important ones such as IL6, IFN-, TNF-, ICAM-1, VCAM-1 and VEGFA were highlighted, which can be the key factors to predict CRS.	pmid:36100873 doi:10.1186/s12859-022-04917-2	Tue, 13 Sep 2022 06:00:00 -0400
64	pubmed:36100877	ZNF384-ZEB1 feedback loop regulates breast cancer metastasis	Qing-Xiang Meng Ke-Nie Wang Jun-Hui Li Hui Zhang Zhao-Hui Chen Xue-Jie Zhou Xu-Chen Cao Ping Wang Yue Yu	CONCLUSIONS: The findings suggest that ZNF384 can serve as a prognostic factor and a therapeutic target for breast cancer patients.	pmid:36100877 doi:10.1186/s10020-022-00541-1	Tue, 13 Sep 2022 06:00:00 -0400
65	pubmed:36100919	miR-92a-3p promotes breast cancer proliferation by regulating the KLF2/BIRC5 axis	Zhi-Hao Yu Zhao-Hui Chen Guang-Lei Zhou Xue-Jie Zhou Hai-Yan Ma Yue Yu Xin Wang Xu-Chen Cao	CONCLUSION: Collectively, our results uncovered the miR-92a-3p/KLF2/BIRC5 axis in breast cancer and provided a potential mechanism for breast cancer development, which may serve as promising strategies for breast cancer therapy.	pmid:36100919 doi:10.1111/1759-7714.14648	Tue, 13 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
66	pubmed:36100922	Hospitalized patients with isolated distal deep vein thrombosis: anticoagulation therapy or not?	Xiaolin Luo Liying Zhang Changchun Hou Pengda Li Shaofa Wu Zebi Wang Enpu Yang Yun Cui Ning Sun Yang Yu Zhixia An Jun Jin Zhexue Qin	CONCLUSIONS: In hospitalized IDDVT patients, the thrombosis extension rate to PDVT/PE was low. Anticoagulation did not reduce the incidence of thrombosis extension of IDDVT and was not associated with all-cause mortality.	pmid:36100922 doi:10.1186/s12959-022-00410-1	Tue, 13 Sep 2022 06:00:00 -0400
67	pubmed:36100939	The effect of Nrf$_2$ deletion on the proteomic signature in a human colorectal cancer cell line	Omid Cheraghi Bahareh Dabirmanesh Farideh Ghazi Massoud Amanlou Mona Atabakhshi-Kashi Yaghoub Fathollahi Khosro Khajeh	CONCLUSIONS: Our results revealed MAPKs, JNK and FOXO pathways connections in reducing the deleterious effect of Nrf(2) deficiency, which can be considered in cancer therapy.	pmid:36100939 doi:10.1186/s12885-022-10055-y	Tue, 13 Sep 2022 06:00:00 -0400
68	pubmed:36100944	Mesenchymal stem cell-derived exosomes in cancer therapy resistance: recent advances and therapeutic potential	Zhengjun Lin Yanlin Wu Yiting Xu Guoqing Li Zhihong Li Tang Liu	Mesenchymal stem cells (MSCs) are multipotent stromal cells that can be obtained from various human tissues and organs. They can differentiate into a wide range of cell types, including osteoblasts, adipocytes and chondrocytes, thus exhibiting great potential in regenerative medicine. Numerous studies have indicated that MSCs play critical roles in cancer biology. The crosstalk between tumour cells and MSCs has been found to regulate many tumour behaviours, such as proliferation, metastasis and...	pmid:36100944 doi:10.1186/s12943-022-01650-5	Tue, 13 Sep 2022 06:00:00 -0400
69	pubmed:36100987	COVID-19 & Diabetes Mellitus: Mutual Interplay of Two Diseases	Patrik Krumpolec Dominik Kodada Nikola Nyariova Vanda Repiska Gabriel Minárik	On the present, when the world brave out the rapidly spreading pandemic of COVID-19, the silent epidemic of diabetes should not be omitted. In comparison, while COVID-19 led to about 6 million of deaths in 2021, diabetes caused 6.7 million deaths in the same year. Diabetes mellitus is serious risk factor for worse outcome in COVID-19 patients. Moreover, it seems that there is a bidirectional relationship between pre-existing diabetes pandemic and rapidly spreading COVID-19 pandemic. In this...	pmid:36100987 doi:10.2174/1573399819666220913113146	Wed, 14 Sep 2022 06:00:00 -0400
70	pubmed:36100998	Managing recurrent portal steal in auxiliary liver transplantation for non-cirrhotic metabolic liver disease	Anu K Vasudevan Naresh P Shanmugam Ashwin Rammohan Mohamed Rela	CONCLUSIONS: While the early impediments in this technique may have been overcome, in the absence of any realistic clinical application gene therapy, the debate of long-term phenotypic metabolic correction for NCMLD by APOLT needs to be revisited.	pmid:36100998 doi:10.1111/petr.14389	Wed, 14 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
71	pubmed:36101480	The role of SET domain containing lysine methyltransferase 7 in tumorigenesis and development	Shangzhen Yang Xi Wang Jun Bai Baojun Duan	SET domain containing lysine methyltransferase 7 (SETD7) belongs to the protein lysine methyltransferase family and can catalyze the monomethylation of histone H3K4, which plays a vital role in the regulation of cell cycle, cell differentiation, DNA damage response and chromatin remodeling through K/R-S/T-K (K is lysine residue) sites and the recognition of substrates mediated by SET, i-SET, and n-SET domains and electrostatic action. SETD7 also can regulate the transcription of several genes...	pmid:36101480 doi:10.1080/15384101.2022.2122257	Wed, 14 Sep 2022 06:00:00 -0400
72	pubmed:36101518	Sex-Differences in Subclinical Atherosclerosis and Systemic Immune Activation/Inflammation among People with HIV in the U.S	Markella V Zanni Borek Foldyna Sara McCallum Tricia H Burdo Sara E Looby Kathleen V Fitch Evelynne S Fulda Patrick Autissier Gerald S Bloomfield Carlos D Malvestutto Carl J Fichtenbaum Edgar T Overton Judith A Aberg Kristine M Erlandson Thomas B Campbell Grant B Ellsworth Anandi N Sheth Babafemi Taiwo Judith S Currier Udo Hoffmann Michael T Lu Pamela S Douglas Heather J Ribaudo Steven K Grinspoon	CONCLUSIONS: Among U.S. PWH, females had a lower prevalence of plaque and NC/V-P, as well as differences in key immune/inflammatory biomarkers. Immune-plaque relationships differed by sex for D-dimer, but not other tested parameters.	pmid:36101518 doi:10.1093/cid/ciac767	Wed, 14 Sep 2022 06:00:00 -0400
73	pubmed:36101546	Recent insights into the microRNA and long non-coding RNA-mediated regulation of stem cell populations	Carolina Estrada-Meza Andrea Torres-Copado Luisa Loreti González-Melgoza Luis M Ruiz-Manriquez Marcos De Donato Ashutosh Sharma Surajit Pathak Antara Banerjee Sujay Paul	Stem cells are undifferentiated cells that have multi-lineage differentiation. The transition from self-renewal to differentiation requires rapid and extensive gene expression alterations. Since different stem cells exhibit diverse non-coding RNAs (ncRNAs) expression profiles, the critical roles of ncRNAs in stem cell reprogramming, pluripotency maintenance, and differentiation have been widely investigated over the past few years. Hence, in this current review, the two main categories of...	pmid:36101546 pmc:PMC9464284 doi:10.1007/s13205-022-03343-8	Wed, 14 Sep 2022 06:00:00 -0400
74	pubmed:36101743	Integrated Analysis of the lncRNA-Associated ceRNA Network in Wilms Tumor via TARGET and GEO Databases	Biao An Yuan Hu Xiao Liang	Wilms tumor (WT) is the most common genitourinary renal tumor that typically occurs in children under 15 and is thought to be linked to somatic and germline mutations. However, the specific functional role of competing endogenous RNAs (ceRNAs) and their potential implications in WT remain unclear. In this study, we developed an lncRNA-mediated (long noncoding RNA-mediated) ceRNA network via the R packages for WT with expression data obtained from the tumor alterations relevant for...	pmid:36101743 pmc:PMC9452976 doi:10.1155/2022/2365991	Wed, 14 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
75	pubmed:36101820	A cross-sectional natural history study of aspartylglucosaminuria	Kimberly Goodspeed Daniel Horton Andrea Lowden Peter V Sguigna Timothy Booth Zhiyue J Wang Veronica Bordes Edgar	Aspartylglucosaminuria (AGU) is a rare lysosomal storage disorder that causes stagnation of development in adolescence and neurodegeneration in early adulthood. Precision therapies, including gene transfer therapy, are in development with a goal of taking advantage of the slow clinical course. Understanding of disease natural history and identification of disease-relevant biomarkers are important steps in clinical trial readiness. We describe the clinical features of a diverse population of...	pmid:36101820 pmc:PMC9458605 doi:10.1002/jmd2.12294	Wed, 14 Sep 2022 06:00:00 -0400
76	pubmed:36101824	Dental manifestations in adult hypophosphatasia and their correlation with biomarkers	Priya Sinha Rachel Gabor Rachael Haupt-Harrington Leila Deering Robert D Steiner	Hypophosphatasia (HPP) is a genetic condition with broad clinical manifestations caused by alkaline phosphatase (ALP) deficiency. Adults with HPP exhibit a wide spectrum of signs and symptoms. Dental manifestations including premature tooth loss are common. Much of the published literature reporting dental manifestations consists of case reports and series of symptomatic patients, likely biased towards more severe dental manifestations. The objective of this study was to systematically explore...	pmid:36101824 pmc:PMC9458606 doi:10.1002/jmd2.12307	Wed, 14 Sep 2022 06:00:00 -0400
77	pubmed:36101856	Large extracellular vesicles secreted by human iPSC-derived MSCs ameliorate tendinopathy *via* regulating macrophage heterogeneity	Teng Ye Zhengsheng Chen Jieyuan Zhang Lei Luo Renzhi Gao Liangzhi Gong Yuhang Du Zongping Xie Bizeng Zhao Qing Li Yang Wang	Tendinopathy is a common musculoskeletal disorder which results in chronic pain and reduced performance. The therapeutic effect of stem cell derived-small extracellular vesicles (sEVs) for tendinopathy has been validated in recent years. However, whether large extracellular vesicles (lEVs), another subset of extracellular vesicles, possesses the ability for the improvement of tendinopathy remains unknown. Here, we showed that lEVs secreted from iPSC-derived MSCs (iMSC-lEVs) significantly...	pmid:36101856 pmc:PMC9440485 doi:10.1016/j.bioactmat.2022.08.007	Wed, 14 Sep 2022 06:00:00 -0400
78	pubmed:36101918	Multifunctional Modulation of High-Performance $Zn_xFe_{3-x}O_4$ Nanoparticles by Precisely Tuning the Zinc Doping Content	Hui Du Fang Yang Chenyang Yao Zhicheng Zhong Peiheng Jiang Stefan G Stanciu Hao Peng Jiapeng Hu Bo Jiang Zihou Li Wenhao Lv Fang Zheng Harald A Stenmark Aiguo Wu	The possibility to precisely control important properties of nanoparticles (NPs) such as their size, morphology, surface charge, or doping content is crucial for enhancing the performance of existing solutions beyond the state-of-the-art and for enabling novel applications. In this work, custom-tailored Zn(x) Fe(3-) (x) O(4) NPs are synthesized at different Zn doping concentrations to augment and expand their usefulness for high-performance applications in nanomedicine. By precisely increasing...	pmid:36101918 doi:10.1002/smll.202201669	Wed, 14 Sep 2022 06:00:00 -0400
79	pubmed:36101920	Antibody response and intra-host viral evolution after plasma therapy in COVID-19 patients pre-exposed or not to B-cell-depleting agents	David Gachoud Trestan Pillonel Gerasimos Tsilimidos Dunia Battolla Dominique Dumas Onya Opota Stefano Fontana Peter Vollenweider Oriol Manuel Gilbert Greub Claire Bertelli Nathalie Rufer	Administration of plasma therapy may contribute to viral control and survival of COVID-19 patients receiving B-cell-depleting agents that impair humoral immunity. However, little is known on the impact of anti-CD20 pre-exposition on the kinetics of SARS-CoV-2-specific antibodies. Here, we evaluated the relationship between anti-spike immunoglobulin G (IgG) kinetics and the clinical status or intra-host viral evolution after plasma therapy in 36 eligible hospitalized COVID-19 patients,...	pmid:36101920 doi:10.1111/bjh.18450	Wed, 14 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
80	pubmed:36101937	Nano-optogenetic immunotherapy	Kai Huang Xiaoxuan Liu Gang Han Yubin Zhou	Chimeric antigen receptor (CAR) T cell-based immunotherapy has been increasingly used in the clinic for cancer intervention over the past 5 years. CAR T-cell therapy takes advantage of genetically-modified T cells to express synthetic CAR molecules on the cell surface. To date, up to six CAR T cell therapy products have been approved by the Food and Drug Administration for the treatment of leukaemia, lymphoma, and multiple myeloma. In addition, hundreds of CAR-T products are currently under...	pmid:36101937 doi:10.1002/ctm2.1020	Wed, 14 Sep 2022 06:00:00 -0400
81	pubmed:36101963	Monoclonal antibody-mediated immunosuppression enables long-term survival of transplanted human neural stem cells in mouse brain	Lisa M McGinley Kevin S Chen Shayna N Mason Diana M Rigan Jacquelin F Kwentus John M Hayes Emily D Glass Evan L Reynolds Geoffrey G Murphy Eva L Feldman	CONCLUSIONS: This study demonstrates an effective immunosuppression protocol for preclinical testing of stem cell therapies. A transition towards antibody-based strategies may be advantageous by enabling stem cell survival in preclinical studies that could inform future clinical trials.	pmid:36101963 doi:10.1002/ctm2.1046	Wed, 14 Sep 2022 06:00:00 -0400
82	pubmed:36101972	Serum globulin levels are associated with HIV reservoir size and immune restoration during long-term ART	Qing Zhang Yan-Mei Jiao Guang Li Lu-Xue Zhang Lin Gao Xiao-Yan Guo Zilaiguli Mijiti Yun-Tian Guo Wen Xu Hui-Huang Huang Fu-Sheng Wang	CONCLUSIONS: Our findings suggest that serum globulin levels may be associated with HIV reservoir size and immune restoration during long-term ART.	pmid:36101972 doi:10.1111/hiv.13393	Wed, 14 Sep 2022 06:00:00 -0400
83	pubmed:36102132	Tebentafusp for the treatment of HLA-A*02:01-positive adult patients with unresectable or metastatic uveal melanoma	Lanyi Nora Chen Richard D Carvajal	INTRODUCTION: : Metastatic uveal melanoma is associated with poor prognosis and few treatment options. Tebentafusp recently became the first FDA-approved agent for metastatic uveal melanoma.	pmid:36102132 doi:10.1080/14737140.2022.2124971	Wed, 14 Sep 2022 06:00:00 -0400
84	pubmed:36102156	Upfront therapy for diffuse large B-cell lymphoma: looking beyond R-CHOP	Brian T Hill Brad Kahl	INTRODUCTION: : Diffuse large B cell lymphoma (DLBCL) is not a single entity but instead represents a collection of interrelated malignancies having distinct molecular features. Recent multiomics studies have independently identified the presence of at least five different subsets of DLBCL, further subcategorizing previously-recognized subtypes of this disease. Clinical trials attempting to improve outcomes with the addition of novel therapeutic agents have approached advanced stage DLBCL as...	pmid:36102156 doi:10.1080/17474086.2022.2124156	Wed, 14 Sep 2022 06:00:00 -0400
85	pubmed:36102175	Genetic variants associated with ALT elevation from therapeutic acetaminophen	Andrew A Monte Ian Arriaga Mackenzie Jack Pattee Sasha Kaiser Emileigh Willems Barry Rumack Kate M Reynolds Richard C Dart Kennon J Heard	CONCLUSION: Acetaminophen induced ALT elevation at therapeutic doses was not associated with variation in most genes associated with acetaminophen metabolism or immune-induced DILI in this cohort. The role of SULT1E1 polymorphism in acetaminophen-induced elevated ALT needs further examination.	pmid:36102175 doi:10.1080/15563650.2022.2117053	Wed, 14 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
86	pubmed:36102274	Peptide epitopes as biomarkers of soya sensitization in rBet v 1 immunotherapy of birch-related soya allergy	Lisbeth Ramírez Caballero Regina Treudler Nicolas Delaroque Jan C Simon Karolin Kern Michael Szardenings	CONCLUSION: IgG- and IgE-binding to peptide epitopes in PR-10 is a potential indicator of the outcome and clinical course of AIT of soya sensitized patients with rBet v 1.	pmid:36102274 doi:10.1111/cea.14224	Wed, 14 Sep 2022 06:00:00 -0400
87	pubmed:36102290	Undergraduate medical students' perceptions regarding stem cells: Is there a need for incorporating a stem cells elective course in the academic curriculum?	Ramada R Khasawneh Ejlal Abu-El Rub	Stem cell therapy has recently progressed from the preclinical to the early clinical trial arena for a variety of diseases. Moreover, the medical students lack the deep and full understanding of its significance and potential as the promising future cure for diverse diseases worldwide. This study aims at evaluating the knowledge, awareness, and perception of medical students as far as stem cells applications are related in the medical field. A cross-sectional survey was carried out using online...	pmid:36102290 doi:10.1002/bmb.21672	Wed, 14 Sep 2022 06:00:00 -0400
88	pubmed:36102296	Dual roles of oxostephanine as an Aurora kinase inhibitor and angiogenesis suppressor	Thu-Hien Thi Tran Le-Duy Ba Vu Huy Quoc Nguyen Hanh Bich Pham Xuan-Phuong Thi Do Uyen Thi Trang Than Thu-Huong Thi Pham Linh Dieu Do Kim-Van Thi Le Thao Phuong Nguyen My-Nhung Thi Hoang	The Aurora kinases, including Aurora A, B and C, play critical roles in cell division. They have been found overexpressed in a number of types of cancer and may thus be potential targets in cancer therapy. Several Aurora kinase inhibitors have been identified and developed. Some of these have been used in clinical trials and have exhibited certain efficacy in cancer treatment. However, none of these has yet been applied clinically due to the poor outcomes. Oxostephanine is an aporphine alkaloid...	pmid:36102296 doi:10.3892/ijmm.2022.5189	Wed, 14 Sep 2022 06:00:00 -0400
89	pubmed:36102310	LIS1 interacts with CLIP170 to promote tumor growth and metastasis via the Cdc42 signaling pathway in salivary gland adenoid cystic carcinoma	Lijun Li Zhihao Wen Ni Kou Jing Liu Dong Jin Lina Wang Fu Wang Lu Gao	Salivary gland adenoid cystic carcinoma (SACC) is one of the most common malignant tumors, with high aggressive potential in the oral and maxillofacial regions. Lissencephaly 1 (LIS1) is a microtubuleorganizing centerassociated protein that regulates the polymerization and stability of microtubules by mediating the motor function of dynein. Recent studies have suggested that LIS1 plays a potential role in the malignant development of tumors, such as in mitosis and migration. However, the role...	pmid:36102310 doi:10.3892/ijo.2022.5419	Wed, 14 Sep 2022 06:00:00 -0400
90	pubmed:36102321	A guide through conventional and modern cancer treatment modalities: A specific focus on glioblastoma cancer therapy (Review)	Rayan Naser Hrag Dilabazian Hadi Bahr Aya Barakat Mirvat El-Sibai	Cancer still ranks as one of the top causes of morbidity and mortality despite recent improvements in standard chemotherapy, radiotherapy, and surgery. This underlines some of the difficulties in creating successful therapeutic strategies, but it also highlights the shortcomings of conventional methods. In order to enhance the standard treatment of cancer patients, biologydriven therapies are emerging towards more specific and effective clinical options. In the present review, both conventional...	pmid:36102321 doi:10.3892/or.2022.8405	Wed, 14 Sep 2022 06:00:00 -0400
91	pubmed:36102360	Modifying organs with gene therapy and gene modulation in the age of machine perfusion	Juliana Pavan-Guimaraes Paulo N Martins	PURPOSE OF REVIEW: This review aims to highlight current advances in gene therapy methods, describing advances in CRISPR-Cas9 gene editing and RNA interference in relevance to liver transplantation, and machine perfusion.	pmid:36102360 doi:10.1097/MOT.0000000000001007	Wed, 14 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
92	pubmed:36102412	Combined effects of bone morphogenetic protein-7 and mineral trioxide aggregate on the proliferation, migration, and differentiation of human dental pulp stem cells	Selen Küçükkaya Eren Elham Bahador Zirh Selim Zirh Parisa Sharafi Naciye Dilara Zeybek	CONCLUSION: The use of BMP-7 with MTA increased odontogenic/osteogenic differentiation without adversely affecting proliferation and migration of DPSCs. The use of BMP-7 with MTA may improve treatment outcomes by increasing repair and regeneration capacity of DPSCs.	pmid:36102412 doi:10.1590/1678-7757-2022-0086	Wed, 14 Sep 2022 06:00:00 -0400
93	pubmed:36102493	HMGA2 drives the IGFBP1/AKT pathway to counteract the increase in P27KIP1 protein levels in mtDNA/RNA-less cancer cells	Tsuyoshi Maruyama Koji Saito Masato Higurashi Fumihiro Ishikawa Yohko Kohno Kazunori Mori Motoko Shibanuma	Recent comprehensive analyses of mtDNA and orthogonal RNA-sequencing data revealed that in numerous human cancers, mtDNA copy numbers and mtRNA amounts are significantly reduced, followed by low respiratory gene expression. Under such conditions (called mt-Low), cells encounter severe cell proliferation defects; thus, they must acquire countermeasures against this fatal disadvantage during malignant transformation. This study elucidated a countermeasure against the mt-Low condition-induced...	pmid:36102493 doi:10.1111/cas.15582	Wed, 14 Sep 2022 06:00:00 -0400
94	pubmed:36102512	A Photoconvertible Reporter System for Bacterial Metabolic Activity Reveals That Staphylococcus aureus Enters a Dormant-Like State to Persist within Macrophages	Julia C Lang Elena A Seiß Adriana Moldovan Mathias Müsken Till Sauerwein Martin Fraunholz Andreas J Müller Oliver Goldmann Eva Medina	Staphylococcus aureus is a leading cause of difficult-to-treat infections. The capacity of S. aureus to survive and persist within phagocytic cells is an important factor contributing to therapy failures and infection recurrence. Therefore, interfering with S. aureus intracellular persistence is key to treatment success. In this study, we used a S. aureus strain carrying the reporter mKikumeGR that enables the monitoring of the metabolic status of intracellular bacteria to achieve a better...	pmid:36102512 doi:10.1128/mbio.02316-22	Wed, 14 Sep 2022 06:00:00 -0400
95	pubmed:36102564	Casein Kinase1 Alpha1 is Involved in the Progression of Glioblastoma through HIF-1 Mediated Autophagy	Wenchen Nie Xiang Luo Dong Lu Pu Yuan Baohua Liu Han Xu Ming Ye	Glioblastoma (GBM) is a malignant tumor prone to recurrence and resistant to conventional therapies. GBM cells show high autophagy activity, contributing to its rapid progression. Casein kinase 1 family, such as Casein kinase 1 (CK1), has shown its effect on autophagy by binding to the hypoxia-inducible factor-1 (HIF-1). This study investigates the expression of CK1 and HIF-1 in healthy and GBM tissues and its relations with autophagy-related genes and GBM cell viability. The expressions...	pmid:36102564 doi:10.1152/jn.00316.2022	Wed, 14 Sep 2022 06:00:00 -0400
96	pubmed:36102648	An Unexpected Encounter: Respiratory Syncytial Virus Nonstructural Protein 1 Interacts with Mediator Subunit MED25	Tessa Van Royen Koen Sedeyn George D Moschonas Wendy Toussaint Marnik Vuylsteke Delphi Van Haver Francis Impens Sven Eyckerman Irma Lemmens Jan Tavernier Bert Schepens Xavier Saelens	Human respiratory syncytial virus (RSV) is the leading cause of severe acute lower respiratory tract infections in infants worldwide. Nonstructural protein NS1 of RSV modulates the host innate immune response by acting as an antagonist of type I and type III interferon (IFN) production and signaling in multiple ways. Likely, NS1 performs this function by interacting with different host proteins. In order to obtain a comprehensive overview of the NS1 interaction partners, we performed three...	pmid:36102648 doi:10.1128/jvi.01297-22	Wed, 14 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
97	pubmed:36102723	An immune-related gene prognostic index for acute myeloid leukemia associated with regulatory T cells infiltration	Qiongni Xie Zhongyuan Tang Xiaolin Liang Zeyan Shi Yibin Yao Xiaoke Huang Shanhu Zhu Meiqing Wu Jing Li Weihua Zhao Zhenfang Liu	Acute myeloid leukemia (AML) is a malignant clonal disease characterized by abnormal proliferation of immature myeloid cells and bone marrow failure. Regulatory T cells (Treg) play a suppressive role in the anti-tumor immune response in the tumor microenvironment. Screening biomarkers based on Treg immune-related genes may help to predict the prognosis and the efficacy of immunotherapy of AML.	pmid:36102723 doi:10.1080/16078454.2022.2122281	Wed, 14 Sep 2022 06:00:00 -0400
98	pubmed:36102736	WNT5A-RHOA signaling is a driver of tumorigenesis and represents a therapeutically actionable vulnerability in small cell lung cancer	Kee-Beom Kim Dong-Wook Kim Youngchul Kim Jun Tang Nicole Kirk Yongyu Gan Bongjun Kim Bingliang Fang Jae-Ll Park Yi Zheng Kwon-Sik Park	WNT signaling represents an attractive target for cancer therapy due to its widespread oncogenic role. However, the molecular players involved in WNT signaling and the impact of their perturbation remain unknown for numerous recalcitrant cancers. Here, we characterize WNT pathway activity in small cell lung cancer (SCLC) and determine the functional role of WNT signaling using genetically engineered mouse models GEMMs). -catenin, a master mediator of canonical WNT signaling, was dispensable for...	pmid:36102736 doi:10.1158/0008-5472.CAN-22-1170	Wed, 14 Sep 2022 06:00:00 -0400
99	pubmed:36102738	HDAC5 loss enhances phospholipid-derived arachidonic acid generation and confers sensitivity to cPLA2 inhibition in pancreatic cancer	Penglin Pan Gengdu Qin Bo Wang Haixin Yu Jie Chen Jiaying Liu Kaijian Bing Jian Shen Dianyun Ren Yuhan Zhao Wentao Xia Hui Li Heshui Wu Yingke Zhou	HDAC5 is a class IIa histone deacetylase member that is downregulated in multiple solid tumors, including pancreatic cancer, and loss of HDAC5 is associated with unfavorable prognosis. In this study, assessment of The Cancer Genome Atlas (TGCA) pancreatic adenocarcinoma dataset revealed that expression of HDAC5 correlates negatively with arachidonic acid (AA) metabolism, which has been implicated in inflammatory responses and cancer progression. Non-targeted metabolomics analysis revealed that...	pmid:36102738 doi:10.1158/0008-5472.CAN-21-4362	Wed, 14 Sep 2022 06:00:00 -0400
100	pubmed:36102776	Integrated Geriatric Assessment and Treatment Effectiveness (INTEGERATE) in older people with cancer starting systemic anticancer treatment in Australia: a multicentre, open-label, randomised controlled trial	Wee Kheng Soo Madeleine T King Alun Pope Phillip Parente Pteris Drziš Ian D Davis	BACKGROUND: The effectiveness of comprehensive geriatric assessment (CGA) in improving health outcomes in cancer settings is unclear. We evaluated whether CGA can improve health-related quality of life (HRQOL) in older people with cancer who are starting systemic anticancer treatment.	pmid:36102776 doi:10.1016/S2666-7568(22)00169-6	Wed, 14 Sep 2022 06:00:00 -0400
101	pubmed:36102816	Genotypic Resistance Testing of HIV-1 DNA in Peripheral Blood Mononuclear Cells	Carolyn Chu Daniele Armenia Charles Walworth Maria M Santoro Robert W Shafer	HIV-1 DNA exists in nonintegrated linear and circular episomal forms and as integrated proviruses. In patients with plasma viremia, most peripheral blood mononuclear cell (PBMC) HIV-1 DNA consists of recently produced nonintegrated virus DNA while in patients with prolonged virological suppression (VS) on antiretroviral therapy (ART), most PBMC HIV-1 DNA consists of proviral DNA produced months to years earlier. Drug-resistance mutations (DRMs) in PBMCs are more likely to coexist with ancestral...	pmid:36102816 doi:10.1128/cmr.00052-22	Wed, 14 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
102	pubmed:36102830	Primary Leptomeningeal Lymphoma: Clinicopathologic Features of 2 Rare Phenotypes	M Adelita Vizcaino Caterina Giannini Rebecca L King Derek R Johnson Tong Yang Aditya Raghunathan	Primary leptomeningeal lymphoma is exceedingly rare. We describe 2 rare lymphoma cases with exclusive leptomeningeal disease: 1 ALK-positive (ALK+) anaplastic large cell lymphoma (ALCL) and 1 primary effusion lymphoma (PEL). Case 1: A 19-year-old man presented with symptoms concerning for leptomeningitis. Cerebrospinal fluid (CSF) analysis revealed lymphocytic pleocytosis. Spine MRI demonstrated pial enhancement from T10 through the conus medullaris and cauda equina enhancement/thickening. A...	pmid:36102830 doi:10.1093/jnen/nlac084	Wed, 14 Sep 2022 06:00:00 -0400
103	pubmed:36102841	Hoogsteen triplexes stabilized through ethynyl-linked pyrene-indole synthesized by high-temperature Sonogashira coupling	Imrich Géci Maha I Fatthalla Maike Heintz Per T Jørgensen Erik B Pedersen	The low binding affinity of unmodified triplex-forming oligonucleotides (TFO) is the main drawback to their promising utilization in gene therapy. In the present study, we have synthesized DNA intercalator 5-(pyren-1-ylethynyl)indole Y, known as twisted intercalating nucleic acid (TINA), by a Cu-mediated Sonogashira palladium-catalyzed coupling reaction of 1-ethynylpyrene with 5-iodoindole at a high temperature under anaerobic conditions. Coupling with indole C-5 was far more preferable in...	pmid:36102841 doi:10.1039/d2ob01466a	Wed, 14 Sep 2022 06:00:00 -0400
104	pubmed:36102865	Assessment of Patient-Reported Outcomes in Patients with Anal Squamous Cell Cancer Undergoing Combined Modality Therapy	James P Taylor Iris H Wei J Joshua Smith Amy L Tin Nate Aiken Andrew J Vickers Paul B Romesser Christopher H Crane Maria Widmar Garrett M Nash Martin R Weiser Philip B Paty Julio Garcia-Aguilar Emmanouil Pappou	CONCLUSIONS: A significant proportion of patients have major low anterior resection syndrome scores at baseline and after successful treatment for anal cancer. Having major low anterior resection syndrome scores at baseline was the biggest predictor of having major low anterior resection syndrome scores after treatment. Bowel, sexual, and urinary function did not improve over time up to 2 years after end of treatment. Physicians should counsel their patients prior to treatment that baseline poor...	pmid:36102865 doi:10.1097/DCR.0000000000002600	Wed, 14 Sep 2022 06:00:00 -0400
105	pubmed:36102932	CAR-T cell therapy for solid tumors: are we still that far? A systematic review of literature	Aya Karam Georges Mjaess Nieves Martinez Chanza Fouad Aoun George Bou Kheir Hadi Younes Hanane Kazzi Simone Albisinni Thierry Roumeguère	This systematic review aims to assess all the prospective studies published to date on the efficacy of CAR-T cell therapy in solid tumors. Databases searched were PubMed and Google Scholar from inception through May 1^(st) 2021. Search query was: (Chimeric antigen receptor)or(CAR-T)or(T-CAR). Twenty-nine prospective studies (265 patients) were included. Most published clinical trials are phase I. Clinical benefit was 100% in epithelial ovarian cancer, 70-82% in gastrointestinal tumors, 79% in...	pmid:36102932 doi:10.1080/07357907.2022.2125004	Wed, 14 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
106	pubmed:36102943	Coronavirus disease 2019 subphenotypes and differential treatment response to convalescent plasma in critically ill adults: secondary analyses of a randomized clinical trial	M Fish J Rynne A Jennings C Lam A A Lamikanra J Ratcliff S Cellone-Trevelin E Timms J Jiriha I Tosi R Pramanik P Simmonds S Seth J Williams A C Gordon J Knight D J Smith J Whalley D Harrison K Rowan H Harvala P Klenerman L Estcourt D K Menon D Roberts M Shankar-Hari REMAP-CAP Immunoglobulin Domain UK Investigators	CONCLUSIONS: We reported three COVID-19 subphenotypes, among critically ill adults, with differential treatment effects to ABO-compatible convalescent plasma therapy. Differences in subphenotype prevalence between RCT populations probably explain inconsistent results with COVID-19 immunotherapies.	pmid:36102943 doi:10.1007/s00134-022-06869-w	Wed, 14 Sep 2022 06:00:00 -0400
107	pubmed:36102997	Impact of cytomegalovirus infection prior to hematopoietic stem cell transplantation in children with inborn errors of immunity	Teresa Del Rosal Cristian Quintana-Ortega Angela Deyá-Martinez Pere Soler-Palacín Walter Alfredo Goycochea-Valdivia Nerea Salmón Antonio Pérez-Martínez Laia Alsina Andrea Martín-Nalda Laura Alonso Olaf Neth Luz Yadira Bravo-Gallego Luis Ignacio Gonzalez-Granado Ana Mendez-Echevarria	CONCLUSION: Prevention and prompt control of cytomegalovirus infection, together with early HSCT/gene therapy, are crucial for improving the prognosis in children with IEI.	pmid:36102997 doi:10.1007/s00431-022-04614-5	Wed, 14 Sep 2022 06:00:00 -0400
108	pubmed:36103022	Eladocagene Exuparvovec: First Approval	Susan J Keam	Eladocagene exuparvovec (Upstaza™) is a gene therapy developed by PTC Therapeutics for the treatment of human aromatic L-amino acid decarboxylase (AADC) deficiency. Eladocagene exuparvovec comprises an adeno-associated virus vector that delivers the dopa decarboxylase (DDC) gene, the gene for human AADC. Eladocagene exuparvovec was approved in July 2022 in the EU for the treatment of patients aged 18 months and older with a clinical, molecular, and genetically confirmed diagnosis of AADC...	pmid:36103022 doi:10.1007/s40265-022-01775-3	Wed, 14 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
109	pubmed:36103209	Drug delivery in glioblastoma therapy: a review on nanoparticles targeting MGMT-mediated resistance	Inês David Torres Joana Angélica Loureiro Manuel A N Coelho Maria Carmo Pereira Maria João Ramalho	INTRODUCTION: Glioblastoma multiforme (GBM) is the deadliest type of brain cancer with poor response to the available therapies, mainly due to intrinsic resistance mechanisms. Chemotherapy is based on alkylating agents, but DNA-repair mechanisms can revert this cytotoxic effect. O-methylguanine-DNA methyltransferase (MGMT) protein is the primary mechanism for GBM resistance. Therefore, different strategies to suppress its activity have been explored. However, their clinical use has been...	pmid:36103209 doi:10.1080/17425247.2022.2124967	Wed, 14 Sep 2022 06:00:00 -0400
110	pubmed:36103214	Efficacy and safety of neoadjuvant therapy for triple-negative breast cancer: a Bayesian network meta-analysis	Yushuai Yu Jie Zhang Yuxiang Lin Shaohong Kang Xinyin Lv Chuangui Song	CONCLUSION: PD-1/PD-L1, Bev, ZOL, and Pt+ PARPi-containing regimens improved the pCR rate compared to traditional chemotherapy, including anthracyclines and taxanes. Chemotherapy with platinum salts or Nab-p improved the pCR rate. Nevertheless, the balance between efficacy and toxicity should be evaluated rigorously. PD-1/PD-L1-containing regimens appear to be the most favorable for TNBC neoadjuvant therapy, with good efficacy and tolerance.	pmid:36103214 doi:10.1080/14737140.2022.2125381	Wed, 14 Sep 2022 06:00:00 -0400
111	pubmed:36103264	Nanoarchitectonics for Photo-Controlled Intracellular Drug Release in Immune Modulation	Yuanlin Zhang Ehsan Ranaei Pirmardan Aliaa Barakat Marzieh Naseri Ali Hafezi-Moghadam	Local stimuli differentiate monocytes into M2-like macrophages that mechanistically drive the pathologies in cancer and age-related macular degeneration (AMD). A photo-controlled nanodrug that halts macrophage polarization through Rho-associated kinase (ROCK) inhibition was developed. A small-molecule ROCK inhibitor, fasudil, was conjugated to a photo-responsive group and a short poly(ethylene glycol) (PEG) chain. This resulted in the novel amphiphilic prodrug,...	pmid:36103264 doi:10.1021/acsami.2c12440	Wed, 14 Sep 2022 06:00:00 -0400
112	pubmed:36103273	Higher Cell-Mediated Immune Responses in Patients With Inflammatory Bowel Disease on Anti-TNF Therapy After COVID-19 Vaccination	Freddy Caldera Francis A Farraye Brian M Necela Davitte Cogen Sumona Saha Arnold Wald Nader D Daoud Kelly Chun Ian Grimes Megan Lutz Sean R Van Helden Melanie D Swift Abinash Virk Adil E Bharucha Tushar C Patel Gregory J Gores Saranya Chumsri Mary S Hayney Keith L Knutson	CONCLUSIONS: Most patients with IBD achieved CMIR to a COVID-19 vaccine. Future studies are needed evaluating sustained CMIR and clinical outcomes.	pmid:36103273 doi:10.1093/ibd/izac193	Wed, 14 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
113	pubmed:36103374	Association of social support network with telomere length: A cross-sectional study with community-dwelling older adults	Alice Regina Costa Barbosa Daniella Pires Nunes Daniela Braga Lima Fabio Antonio Colombo Juliana Barbosa Nunes Ariene Angelini Dos Santos Orlandi Greiciane da Silva Rocha Daniele Sirineu Sirineu Pereira Ligiana Pires Corona Tabatta Renata Pereira de Brito	Considering that telomere length can be determined not only by issues related to cell biology, but also by aspects related to social factors and environmental exposures, studies on the relationship between social aspects and telomere length can help to better understand the still little-known aspects of the human aging process. Thus, this research seeks to verify whether social support network is associated with telomere length in older adults. This is a cross-sectional study conducted with 448...	pmid:36103374 doi:10.1089/rej.2022.0037	Wed, 14 Sep 2022 06:00:00 -0400
114	pubmed:36103376	Clinicopathologic Characteristics of Pediatric Follicular Variant of Papillary Thyroid Carcinoma Subtypes: A Retrospective Cohort Study	Stephen Halada Julia Baran Andrew J Bauer Julio C Ricarte-Filho Amber Isaza Tasleema Patel Aime Franco Sogol Mostoufi-Moab N Scott Adzick Ken Kazahaya Tricia R Bhatti Zubair Baloch Lea F Surrey	Introduction: Follicular patterned thyroid nodules with nuclear features of papillary thyroid carcinoma encompass a range of diagnostic categories with varying risks of metastatic behavior. Subtypes include invasive encapsulated fvPTC (Ienc-fvPTC) and infiltrative fvPTC (inf-fvPTC) with tumors lacking invasive features classified as non-invasive follicular thyroid neoplasm with papillary-like features (NIFTP). This study aimed to report the clinical and histologic features of pediatric cases...	pmid:36103376 doi:10.1089/thy.2022.0239	Wed, 14 Sep 2022 06:00:00 -0400
115	pubmed:36103526	Exosome-mediated delivery of Cas9 ribonucleoprotein complexes for tissue-specific gene therapy of liver diseases	Tao Wan Jiafeng Zhong Qi Pan Tianhua Zhou Yuan Ping Xiangrui Liu	CRISPR-Cas9 gene editing has emerged as a powerful therapeutic technology, but the lack of safe and efficient in vivo delivery systems, especially for tissue-specific vectors, limits its broad clinical applications. Delivery of Cas9 ribonucleoprotein (RNP) owns competitive advantages over other options; however, the large size of RNPs exceeds the loading capacity of currently available delivery vectors. Here, we report a previously unidentified genome editing delivery system, named...	pmid:36103526 doi:10.1126/sciadv.abp9435	Wed, 14 Sep 2022 06:00:00 -0400
116	pubmed:36103546	Gross anatomy of the gluteal and posterior thigh muscles in koalas based on their innervations	Sayaka Tojima Hidaka Anetai Kaito Koike Saori Anetai Kounosuke Tokita Chris Leigh Jaliya Kumaratilake	Morphological and functional comparison of convergently-evolved traits in marsupials and eutherians is an important aspect of studying adaptive divergence in mammals. However, the anatomy of marsupials has been particularly difficult to evaluate for multiple reasons. First, previous studies on marsupial anatomy are often uniformly old and non-exhaustive. Second, muscle identification was historically based on muscle attachment sites, but attachment sites have since been declared insufficient for...	pmid:36103546 doi:10.1371/journal.pone.0261805	Wed, 14 Sep 2022 06:00:00 -0400
117	pubmed:36103602	Severe Arboviral Neuroinvasive Disease in Patients on Rituximab Therapy: A Review	Ronak K Kapadia J Erin Staples Christine M Gill Marc Fischer Ezza Khan Janeen J Laven Amanda Panella Jason O Velez Holly R Hughes Aaron Brault Daniel M Pastula Carolyn V Gould	With increasing use of rituximab and other B-cell depleting monoclonal antibodies for multiple indications, infectious complications are being recognized. We summarize clinical findings of patients on rituximab with arboviral diseases identified through literature review or consultation with the Centers for Disease Control and Prevention. We identified 21 patients on recent rituximab therapy who were diagnosed with an arboviral disease caused by West Nile, tick-borne encephalitis, eastern equine...	pmid:36103602 doi:10.1093/cid/ciac766	Wed, 14 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
118	pubmed:36103616	Advances in Engineered Biomaterials Targeting Angiogenesis and Cell Proliferation for Cancer Therapy	Poonam Yadav Chhavi Dua Avinash Bajaj	Antiangiogenic therapy in combination with chemotherapeutic agents is an effective strategy for cancer treatment. However, this combination therapy is associated with several challenges including non-specific biodistribution leading to systemic toxicity. Biomaterial-mediated codelivery of chemotherapeutic and anti-angiogenic agents can exploit their passive and active targeting abilities, leading to improved drug accumulation at the tumor site and therapeutic outcomes. In this review, we present...	pmid:36103616 doi:10.1002/tcr.202200152	Wed, 14 Sep 2022 06:00:00 -0400