

(gene therapy) OR (cell therapy)

NCT Number		Title	Authors	Description	Identifier	Dates
1	pubmed:36075130	An unusual neurological presentation in a patient with primary hypereosinophilic syndrome	E Spina G T Maniscalco A Petraroli A Detoraki G Servillo A Ranieri A De Mase R Renna P Candelaresi A De Paulis V Andreone	Hypereosinophilic syndromes are characterized by an increased number of blood eosinophils (usually more than 1.5 × 10) infiltrating tissues and causing organ damage through over-production of pro-inflammatory cytokines with heterogeneous clinical presentation. Here we present a case of a 47 years old male, with an unremarkable previous medical history, with a sudden onset of subungual hemorrhage and low back pain. Admitted for right arm weakness and vomiting, was raised the suspicion of acute...	pmid:36075130 doi:10.1016/j.jstrokecerebrovasdis.2022.106703	Thu, 08 Sep 2022 06:00:00 -0400
2	pubmed:36075150	Risperidone-induced changes in DNA methylation in peripheral blood from first-episode schizophrenia patients parallel changes in neuroimaging and cognitive phenotypes	Maolin Hu Yan Xia Xiaofen Zong John A Sweeney Jeffrey R Bishop Yanhui Liao Gina Giase Bingshan Li Leah H Rubin Yunpeng Wang Zongchang Li Ying He Xiaogang Chen Chunyu Liu Chao Chen Jinsong Tang	CONCLUSION: The normalizing effect of risperidone monotherapy on gene DNAm, and its correlation with clinically relevant phenotypes, indicates that risperidone therapy is associated with DNAm changes that are related to changes in brain physiology, cognition and symptom severity.	pmid:36075150 doi:10.1016/j.psychres.2022.114789	Thu, 08 Sep 2022 06:00:00 -0400
3	pubmed:36075182	The beneficial effects of Polygonatum sibiricum Red. superfine powder on metabolic hypertensive rats via gut-derived LPS/TLR4 pathway inhibition	Jie Su Yajun Wang Meiqiu Yan Ziwen He Yiqing Zhou Jie Xu Bo Li Wanfeng Xu Jingjing Yu Suhong Chen Guiyuan Lv	CONCLUSIONS: We demonstrated the beneficial effects and potential mechanisms of PSP in our MH rat model. Based on gut microbiota structure modulation and intestinal barrier improvements, PSP inhibited LPS-induced vascular TLR4/MyD88 signaling activation to improve vascular endothelial function, which in turn reduced blood pressure. Our study provides valuable insights on PSP therapy for MH.	pmid:36075182 doi:10.1016/j.phymed.2022.154404	Thu, 08 Sep 2022 06:00:00 -0400
4	pubmed:36075186	Autologous hematopoietic stem cell transplantation in neuromyelitis optica spectrum disorder: A systematic review and meta-analysis	Fardin Nabizadeh Soroush Masrouri Hossein Sharifkazemi Mobin Azami Mahsa Nikfarjam Abdorrezza Naser Moghadasi	CONCLUSION: According to the present study, AHSCT could be an alternative therapy for NMOSD in severe cases instead of conventional immunotherapies. However, physicians should pay attention to its serious complications. The diversity of results from the published trials on the efficacy and safety of AHSCT calls for further investigations on determining the ideal AHSCT conditioning and the characteristics of patients.	pmid:36075186 doi:10.1016/j.jocn.2022.08.020	Thu, 08 Sep 2022 06:00:00 -0400
5	pubmed:36075188	Effect of Immunophilin Inhibitors on Cochlear Fibroblasts and Spiral Ganglion Cells	Madeleine Goblet Thomas Lenarz Gerrit Paasche	CONCLUSION: Especially MM284 might be considered as a possible candidate for application within the cochlea.	pmid:36075188 doi:10.1159/000526454	Thu, 08 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
6	pubmed:36075199	Stromal Vascular Fraction Reverses the Age-Related Impairment in Revascularization following Injury	Gabrielle Rowe David S Heng Jason E Beare Nicholas A Hodges Evan P Tracy Walter L Murfee Amanda J LeBlanc	Adipose-derived stromal vascular fraction (SVF) has emerged as a potential regenerative therapy, but few studies utilize SVF in a setting of advanced age. Additionally, the specific cell population in SVF providing therapeutic benefit is unknown. We hypothesized that aging would alter the composition of cell populations present in SVF and its ability to promote angiogenesis following injury, a mechanism that is T cell-mediated. SVF isolated from young and old Fischer 344 rats was examined with...	pmid:36075199 doi:10.1159/000526002	Thu, 08 Sep 2022 06:00:00 -0400
7	pubmed:36075370	Discovery of pyrrolo[2,3-d]pyrimidine-based molecules as a Wee1 inhibitor template	Changjun Chen Yeliu Wang Min-Qi Hu Hongjuan Li Xi Chen Gan Qiang Yinghui Sun Yan Zhu Binghui Li	In the past decade, Wee1 inhibition has received widespread attention as a cancer therapy. Our research aims to discover effective, selective and drug-like Wee1 inhibitors. Herein, a series of compounds with pyrrolo[2,3-d]pyrimidine-based heterocycles were designed, synthesized and confirmed to inhibit Wee1 kinase. The inhibitors afforded good potency in Wee1 Kinase inhibitory activity in enzymatic assays. These compounds showed strong proliferation inhibition against NCI-1299 cell lines and had...	pmid:36075370 doi:10.1016/j.bmcl.2022.128973	Thu, 08 Sep 2022 06:00:00 -0400
8	pubmed:36075472	Engineered extracellular vesicles: A novel platform for cancer combination therapy and cancer immunotherapy	Mahdi Ahmadi Mehdi Hassanpour Jafar Rezaie	Extracellular vesicles (EVs), phospholipid membrane-bound vesicles, produced by most cells, contribute to cell-cell communication. They transfer several proteins, lipids, and nucleic acids between cells both locally and systemically. Owing to the biocompatibility and immune activity of EVs, therapeutic approaches using these vesicles as drug delivery systems are being developed. Different methods are used to design more effective engineered EVs, which can serve as smart tools in cancer therapy...	pmid:36075472 doi:10.1016/j.lfs.2022.120935	Thu, 08 Sep 2022 06:00:00 -0400
9	pubmed:36075487	Overexpression of nucleotide metabolic enzyme DUT in hepatocellular carcinoma potentiates a therapeutic opportunity through targeting its dUTPase activity	Mingjing Xu Yue Liu Ho Lee Wan Alissa M Wong Xiaofan Ding Wenxing You Wing Sze Lo Kelvin K-C Ng Nathalie Wong	Uracil misincorporation during DNA replication is a major cell toxic event, of which cancer cells overcome by activating the dUTPase enzyme. The DUT gene is the only known dUTPase in human. Despite reports on common upregulations in cancers, the role of DUT in human hepatocellular carcinoma (HCC) remains largely undetermined. In this study, we investigated the mechanism underlying DUT biology in HCC and tumor susceptibility to drug targeting dUTPase. Overexpression of DUT was found in 42% of HCC...	pmid:36075487 doi:10.1016/j.canlet.2022.215898	Thu, 08 Sep 2022 06:00:00 -0400
10	pubmed:36075510	Glucagon-like peptide 1 and fibroblast growth factor-21 in non-alcoholic steatohepatitis: An experimental to clinical perspective	Poonam Yadav Amit Khurana Jasvinder Singh Bhatti Ralf Weiskirchen Umashanker Navik	Non-alcoholic steatohepatitis (NASH) is a progressive form of Non-alcoholic fatty liver disease (NAFLD), which slowly progresses toward cirrhosis and finally leads to the development of hepatocellular carcinoma. Obesity, insulin resistance, type 2 diabetes mellitus and the metabolic syndrome are major risk factors contributing to NAFLD. Targeting these risk factors is a rational option for inhibiting NASH progression. In addition, NASH could be treated with therapies that target the metabolic...	pmid:36075510 doi:10.1016/j.phrs.2022.106426	Thu, 08 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
11	pubmed:36075517	SIK2 protects against renal tubular injury and the progression of diabetic kidney disease	Bingyao Liu Linlin Zhang Hang Yang Xinyu Chen Hongting Zheng Xiaoyu Liao	Despite optimal medical therapy, many patients with diabetic kidney disease (DKD) progress to end-stage renal disease. The identification of new biomarkers and drug targets for DKD is required for the development of more effective therapies. The apoptosis of renal tubular epithelial cells is a key feature of the pathogenicity associated with DKD. SIK2, a salt-inducible kinase, regulates important biological processes, such as energy metabolism, cell cycle progression and cellular apoptosis. In...	pmid:36075517 doi:10.1016/j.trsl.2022.08.012	Thu, 08 Sep 2022 06:00:00 -0400
12	pubmed:36075521	Efficacy of Malachite green mediated Photodynamic therapy on treatment of Cutaneous Leishmaniasis: in vitro study	Sercin Ozlem-Caliskan Rahsan Ilikci-Sagkan Hatice Karakas Sevgi Sever Cansu Yildirim Msra Balicki Hatice Ertabaklar	CONCLUSIONS: This study demonstrated that antileishmanial effects through mitochondrial dysfunction, cell cycle arrest, and apoptosis-like cell death to parasites. This study aims to test the PDT with MG and to verify if the parasites can be affected by this therapy. Therefore, MG-mediated PDT may provide a promising approach for L. tropica promastigotes.	pmid:36075521 doi:10.1016/j.pdpdt.2022.103111	Thu, 08 Sep 2022 06:00:00 -0400
13	pubmed:36075558	Near-infrared light-triggered polypyrrole promotes C2C12 cell differentiation and inhibits TNF- induced myotube atrophy	Yuanyuan Wu Ji Che Peiyu Jia Yantao Ma Qi Han Xiaolei Wang Lei Fu Hongjing Dou Yongjun Zheng	Treatment of skeletal muscle atrophy and strengthening the muscles remain a challenge in modern medicine. Studies have shown that photobiomodulation can inhibit skeletal muscle atrophy and aid in functional recovery. Near-infrared radiation (NIR) therapy has emerged as a complementary therapy for the treatment of skeletal muscle atrophy, but its underlying mechanism remains unclear. Polypyrrole (PPy) is an organic polymer with strong near-infrared absorption, which can generate heat from...	pmid:36075558 doi:10.1016/j.cellsig.2022.110463	Thu, 08 Sep 2022 06:00:00 -0400
14	pubmed:36075561	Intraovarian condensed platelet cytokines for infertility and menopause-Mirage or miracle?	E Scott Sills Samuel H Wood Anthony P H Walsh	On a therapeutic landscape unchanged since the 1980's, oocyte donation with IVF still stands as the solitary medical answer to diminished reserve and premature ovarian insufficiency. In 2016, intraovarian platelet-rich plasma (PRP) crossed the horizon as a hopeful reply to these intertwined problems. The once remote mirage of platelet cytokine effects on gene regulation or telomere stabilization has been brought into sharper focus, with current work clarifying how PRP corrects oxidative stress,...	pmid:36075561 doi:10.1016/j.biochi.2022.08.020	Thu, 08 Sep 2022 06:00:00 -0400
15	pubmed:36075780	Imiquimod-induced ROS production causes lysosomal membrane permeabilization and activates caspase-8-mediated apoptosis in skin cancer cells	Shu-Hao Chang Pei-Ying Lin Tsai-Kun Wu Chien-Sheng Hsu Shi-Wei Huang Zheng-Yi Li Kuang-Ting Liu Jun-Kai Kao Yi-Ju Chen Tak-Wah Wong Chun-Ying Wu Jeng-Jer Shieh	CONCLUSIONS: IMQ-induced ROS accumulation promotes LMP, releases CTSs into the cytosol, stimulates caspase-8 activation and finally causes lysosomal cell death. Lysosomal cell death and the CTSD/caspase-8 axis may play a crucial role in IMQ-induced cell death.	pmid:36075780 doi:10.1016/j.jdermsci.2022.08.006	Thu, 08 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
16	pubmed:36075788	Comprehensive bioinformatics analysis confirms RBMS3 as the central candidate biological target for ovarian cancer	Mei Wang Xiangjun Fu Wei Wang Yuan Zhang Zhenyi Jiang Yan Gu Menglong Chu Yanting Shao Shuqin Li	Ovarian cancer (OC) is one of the most lethal malignancies in the female reproductive system. To find genes related to cancer progression targeting specific biological factors for targeted therapy, bioinformatics technology has been widely used. To screen the prognostic gene markers of OC by bioinformatics and explore their potential molecular biological mechanisms. Two data sets related to OC, GSE54388, and GSE119056, were rooted in the open comprehensive gene expression database (GEO). To...	pmid:36075788 doi:10.1016/j.medengphy.2022.103883	Thu, 08 Sep 2022 06:00:00 -0400
17	pubmed:36075843	The role of protein arginine N-methyltransferases in inflammation	Ting Chen Jinxin Liu Shizhe Li Peter Wang Guanning Shang	Protein arginine methyltransferases (PRMTs) promote the methylation of numerous proteins at their arginine residues. An increasing number of publications have suggested that dysregulation of PRMTs participates in various human diseases, such as cardiovascular diseases, cancer, diabetes and neurodegenerative disorders. Inflammation is one normal response to infection or injury by immune system, which can keep body homeostasis. Emerging data reveal that inflammation is associated with the...	pmid:36075843 doi:10.1016/j.semcdb.2022.08.005	Thu, 08 Sep 2022 06:00:00 -0400
18	pubmed:36075851	Diabetes of Unclear Type in an Adolescent Boy With Multiple Islet-cell Autoantibody Positivity Successfully Managed With Glucagon-like Peptide-1 Receptor Agonist Alone: A Case Report	Olivia Z B Ginnard Maria J Redondo Sarah K Lyons	Diabetes classification has traditionally considered type 1 and type 2 diabetes as 2 separate entities with different pathogenic mechanisms. However, clinicians and researchers see increasingly more exceptions to this conventional paradigm, leading to a concept of mixed phenotypes in diabetes classification. Herein we report the case of an adolescent with unclear diabetes type due to the presence of obesity, robust endogenous insulin production, multiple islet autoantibody positivity and severe...	pmid:36075851 doi:10.1016/j.jcjd.2022.07.006	Thu, 08 Sep 2022 06:00:00 -0400
19	pubmed:36075878	Non-small cell lung cancer in China	Peixin Chen Yunhuan Liu Yaokai Wen Caicun Zhou	In China, lung cancer is a primary cancer type with high incidence and mortality. Risk factors for lung cancer include tobacco use, family history, radiation exposure, and the presence of chronic lung diseases. Most early-stage non-small cell lung cancer (NSCLC) patients miss the optimal timing for treatment due to the lack of clinical presentations. Population-based nationwide screening programs are of significant help in increasing the early detection and survival rates of NSCLC in China. The...	pmid:36075878 doi:10.1002/cac2.12359	Thu, 08 Sep 2022 06:00:00 -0400
20	pubmed:36075893	Galectin-3 critically mediates the hepatoprotection conferred by M2-like macrophages in ACLF by inhibiting pyroptosis but not necroptosis signalling	Li Bai Wang Lu Shan Tang Huixin Tang Manman Xu Chen Liang Sujun Zheng Shuang Liu Ming Kong Zhongping Duan Yu Chen	We previously documented that M2-like macrophages exert a hepatoprotective effect in acute-on-chronic liver failure (ACLF) by inhibiting necroptosis signalling. Nevertheless, the molecular mechanism behind this hepatoprotection still needs to be further dissected. Galectin-3 (GAL3) has been reported to be critically involved in the pathogenesis of multiple liver diseases, whereas the potential role of GAL3 in ACLF remains to be explored. Herein, we hypothesised that GAL3 plays a pivotal role in...	pmid:36075893 doi:10.1038/s41419-022-05181-1	Thu, 08 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
21	pubmed:36075901	Author Correction: Wiskott-Aldrich syndrome protein forms nuclear condensates and regulates alternative splicing	Baolei Yuan Xuan Zhou Keiichiro Suzuki Gerardo Ramos-Mandujano Mengge Wang Muhammad Tehseen Lorena V Cortés-Medina James J Moresco Sarah Dunn Reyna Hernandez-Benitez Tomoaki Hishida Na Young Kim Manal M Andijani Chongwei Bi Manching Ku Yuta Takahashi Jinna Xu Jinsong Qiu Ling Huang Christopher Benner Emi Aizawa Jing Qu Guang-Hui Liu Zhongwei Li Fei Yi Yanal Ghosheh Changwei Shao Maxim Shokhirev Patrizia Comoli Francesco Frassoni John R Yates Xiang-Dong Fu Concepcion Rodriguez Esteban Samir Hamdan Juan Carlos Izpisua Belmonte Mo Li	No abstract	pmid:36075901 doi:10.1038/s41467-022-32875-z	Thu, 08 Sep 2022 06:00:00 -0400
22	pubmed:36075937	Propranolol blocks osteosarcoma cell cycle progression, inhibits angiogenesis and slows xenograft growth in combination with cisplatin-based chemotherapy	Luisina M Solernó Natasha T Sobol María F Gottardo Carla S Capobianco Maximiliano R Ferrero Liliana Vásquez Daniel F Alonso Juan Garona	Osteosarcoma is still associated with limited response to standard-of-care therapy and alarmingly elevated mortality rates, especially in low- and middle-income countries. Despite multiple efforts to repurpose -blocker propranolol in oncology, its potential application in osteosarcoma management remains largely unexplored. Considering the unsatisfied clinical needs of this aggressive disease, we evaluated the antitumoral activity of propranolol using different in vitro and in vivo osteosarcoma...	pmid:36075937 doi:10.1038/s41598-022-18324-3	Thu, 08 Sep 2022 06:00:00 -0400
23	pubmed:36075953	A novel finding of intra-genus inhibition of quorum sensing in Vibrio bacteria	Huong Thanh Hoang Thuy Thu Thi Nguyen Ha Minh Do Thao Kim Nu Nguyen Hai The Pham	Quorum sensing is the process by which microbial cells sense and respond to the co-presence of others in their surrounding, through the detection of their autoinducers associated with gene expression regulation and thereby controlling many physiological processes, such as biofilm formation and/or bioluminescence, etc. In Vibrio bacteria, where quorum sensing is relatively well understood with three commonly known autoinducers (HAI-1, AI-2 and CAI-1), both intra-species and inter-species...	pmid:36075953 doi:10.1038/s41598-022-19424-w	Thu, 08 Sep 2022 06:00:00 -0400
24	pubmed:36075977	Cell identity and plasticity uncoupled	Bruno Di Stefano	No abstract	pmid:36075977 doi:10.1038/s41556-022-00943-7	Thu, 08 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
25	pubmed:36075990	A personal history of research on hypertension From an encounter with hypertension to the development of hypertension practice based on out-of-clinic blood pressure measurements	Yutaka Imai	In the 1970s, many people had severe hypertension and related cardiovascular and cerebrovascular diseases; however, antihypertensive treatments were not available at the time. The author encountered such conditions during the initial exposure to medicine. The author subsequently entered the field of hypertension medicine to prevent such conditions and engaged in hypertension research for more than 50 years. The author's central interest was the physiological and clinical aspects of blood...	pmid:36075990 doi:10.1038/s41440-022-01011-1	Thu, 08 Sep 2022 06:00:00 -0400
26	pubmed:36076042	Efficient side-chain deacylation of polymyxin B1 in recombinant Streptomyces strains	Xiaojing Wang Kai Wu Hanzhi Zhang Jing Liu Zhijun Yang Jing Bai Hao Liu Lei Shao	CONCLUSIONS: These results show that SAL701 is effective in increasing the cyclic heptapeptide moiety of polymyxin B1. These properties of the biocatalyst may enable its development in the industrial production of polymyxins antibiotics.	pmid:36076042 doi:10.1007/s10529-022-03290-7	Thu, 08 Sep 2022 06:00:00 -0400
27	pubmed:36076060	Commercialized artemisinin derivatives combined with colistin protect against critical Gram-negative bacterial infection	Yonglin Zhou Baichen Liu Xiuling Chu Jianqing Su Lei Xu Li Li Xuming Deng Dan Li Qianghua Lv Jianfeng Wang	The emergence and spread of the mcr-1 gene and its mutants has immensely compromised the efficient usage of colistin for the treatment of drug-resistant Gram-negative bacterial infection in clinical settings. However, there are currently no clinically available colistin synergis. Here we identify artemisinin derivatives, such as dihydroartemisinin (DHA), that produces a synergistic antibacterial effect with colistin against the majority of Gram-negative bacteria (FIC	pmid:36076060 doi:10.1038/s42003-022-03898-5	Thu, 08 Sep 2022 06:00:00 -0400
28	pubmed:36076062	Potent bystander effect and tumor tropism in suicide gene therapy using stem cells from human exfoliated deciduous teeth	Makoto Horikawa Shinichiro Koizumi Tomoya Oishi Taisuke Yamamoto Masashi Ikeno Masahiko Ito Tomohiro Yamasaki Shinji Amano Tetsuro Sameshima Yasuyuki Mitani Yoshihiro Otani Yuanqing Yan Tetsuro Suzuki Hiroki Namba Kazuhiko Kurozumi	Herpes simplex virus thymidine kinase (HSVTK)/ganciclovir (GCV) suicide gene therapy has a long history of treating malignant gliomas. Recently, stem cells from human exfoliated deciduous teeth (SHED), which are collected from deciduous teeth and have excellent harvestability, ethical aspects, and self-renewal, have been attracting attention mainly in the field of gene therapy. In the present study, we assessed SHED as a novel cellular vehicle for suicide gene therapy in malignant gliomas, as we...	pmid:36076062 doi:10.1038/s41417-022-00527-5	Thu, 08 Sep 2022 06:00:00 -0400
29	pubmed:36076157	Gastrointestinal microbiota profile and clinical correlations in advanced EGFR-WT and EGFR-mutant non-small cell lung cancer	Woraseth Saifon Insee Sensorn Narumol Trachu Songporn Oranratnachai Angkana Charoenyingwattana Chakkaphan Runcharoen Nanamon Monnamo Warawut Sukkasem Pimpin Inchareon Thitiporn Suwatanapongched Phichai Chansriwong Touch Ativitavas Ravat Panvichian Wasun Chantratita Thanyanan Reungwetwattana	CONCLUSIONS: Proteobacteria was dominant in Thai lung cancer patients both EGFR-WT and EGFR-mutant, and this phylum maybe associate with lung cancer carcinogenesis. Chemotherapy altered the gastrointestinal microbiota, whereas EGFR-TKIs had less effects. Our findings highlight the potential predictive utility of the gastrointestinal microbiota for lung cancer carcinogenesis. Studies with larger cohorts and comparison with the healthy Thai population are ongoing to validate this pilot study.	pmid:36076157 doi:10.1186/s12885-022-10050-3	Thu, 08 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
30	pubmed:36076179	Phase II study of carboplatin/nab-paclitaxel/atezolizumab combination therapy for advanced nonsquamous non-small cell lung cancer patients with impaired renal function: RESTART trial	Yoshimasa Shiraishi Junji Kishimoto Takayuki Shimose Yukihiro Toi Shunichi Sugawara Isamu Okamoto	BACKGROUND: First-line treatment of nonsquamous non-small cell lung cancer (NSCLC) has undergone a paradigm shift to platinum combination therapy together with immune checkpoint inhibitors (ICIs). However, phase III studies of combinations of cytotoxic chemotherapy and ICIs have included only patients with maintained organ function, not those with renal impairment.	pmid:36076179 doi:10.1186/s12885-022-10056-x	Thu, 08 Sep 2022 06:00:00 -0400
31	pubmed:36076209	Establishment and genetically characterization of patient-derived xenograft models of cervical cancer	Shuangwei Zou Miaomiao Ye Jian-An Zhang Huihui Ji Yijie Chen Xueqiong Zhu	CONCLUSIONS: The cervical cancer PDX models preserved the histologic and genetic characteristics of their original cervical cancer, which helped to gain a deeper insight into the genetic alterations and lay a foundation for further investigation of the molecular targeted therapy of cervical cancer.	pmid:36076209 doi:10.1186/s12920-022-01342-5	Thu, 08 Sep 2022 06:00:00 -0400
32	pubmed:36076232	A transcriptomic map of EGFR-induced epithelial-to-mesenchymal transition identifies prognostic and therapeutic targets for head and neck cancer	Henrik Schinke Enxian Shi Zhongyang Lin Tanja Quadt Gisela Kranz Jiefu Zhou Hongxia Wang Julia Hess Steffen Heuer Claus Belka Horst Zitzelsberger Udo Schumacher Sandra Genduso Kristoffer Riecken Yujing Gao Zhengquan Wu Christoph A Reichel Christoph Walz Martin Canis Kristian Unger Philipp Baumeister Min Pan Olivier Gires	CONCLUSIONS: EGFR-mediated EMT conveyed through MAPK activation contributes to HNSCC progression upon induction of migration and invasion. A 5-gene risk score based on a novel EGFR-mediated EMT signature prognosticated survival of HNSCC patients and determined ITGB4 as potential therapeutic and predictive target in patients with strong EGFR-mediated EMT.	pmid:36076232 doi:10.1186/s12943-022-01646-1	Thu, 08 Sep 2022 06:00:00 -0400
33	pubmed:36076251	A humanized 4-1BB-targeting agonistic antibody exerts potent antitumor activity in colorectal cancer without systemic toxicity	Lian-Sheng Cheng Yong-Feng Cheng Wen-Ting Liu Aolin Shen Dayan Zhang Tingjuan Xu Wu Yin Min Cheng Xiaopeng Ma Fengrong Wang Qun Zhao Xiaoli Zeng Yan Zhang Guodong Shen	CONCLUSIONS: This study demonstrated that HuB6 should be a suitable candidate for further clinical development and a potential agent for CRC immunotherapy.	pmid:36076251 doi:10.1186/s12967-022-03619-w	Thu, 08 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
34	pubmed:36076262	Integrative network analysis of circular RNAs reveals regulatory mechanisms for hepatic specification of human iPSC-derived endoderm	Fang Bai Jinliang Duan Daopeng Yang Xingqiang Lai Xiaofeng Zhu Xiaoshun He Anbin Hu	CONCLUSIONS: This study analysed the profiles of circRNAs during hepatic specification. We identified the hsa_circ_004658/miR-1200/CDX2 axis and preliminarily verified its effect on the Wnt/-catenin signalling pathway during hepatic specification. These results provide novel insight into the molecular mechanisms involved in hepatic specification and could improve liver development in the future.	pmid:36076262 doi:10.1186/s13287-022-03160-z	Thu, 08 Sep 2022 06:00:00 -0400
35	pubmed:36076269	TSLP promoting B cell proliferation and polarizing follicular helper T cell as a therapeutic target in IgG4-related disease	Hui Lu Xun Yao Wu Yu Peng Ruijie Sun Yuxue Nie Jingna Li Mu Wang Yaping Luo Linyi Peng Yunyun Fei Jiaxin Zhou Wen Zhang Xiaofeng Zeng	CONCLUSION: Elevated TSLP in IgG4-RD promoted B cells proliferation and polarized Tfh cells and might be served as a potential therapeutic target.	pmid:36076269 doi:10.1186/s12967-022-03606-1	Thu, 08 Sep 2022 06:00:00 -0400
36	pubmed:36076305	Extracellular vesicles for ischemia/reperfusion injury-induced acute kidney injury: a systematic review and meta-analysis of data from animal models	Xia-Qing Li Jin-Feng Liu Han Liu Yu Meng	CONCLUSION: Stem/progenitor cell-EVs are effective in improving renal function in rodent ischemia/reperfusion injury-induced AKI model. These vesicles may help (i) reduce cell apoptosis and stimulate cell proliferation, (ii) ameliorate inflammatory injury and renal fibrosis, (iii) promote angiogenesis, and (iv) inhibit oxidative stress. However, the current systematic review and meta-analysis did not identify significant influential factors associated with treatment effects. More preclinical...	pmid:36076305 doi:10.1186/s13643-022-02003-5	Thu, 08 Sep 2022 06:00:00 -0400
37	pubmed:36076306	Therapeutic efficacy of human adipose mesenchymal stem cells in Crohn's colon fibrosis is improved by IFN- and kynurenic acid priming through indoleamine 2,3-dioxygenase-1 signaling	Yixin Ye Xiaomei Zhang Dongsheng Su Yushuang Ren Fuyi Cheng Yunqi Yao Gang Shi Yanhong Ji Shuang Chen Pengyi Shi Lei Dai Xiaolan Su Hongxin Deng	CONCLUSION: Inflammatory cytokines IFN-- and KYNA-treated hADSCs more effectively alleviate TNBS-induced colitis and colonic fibrosis through an IDO-1-dependent manner. Primed hADSCs are a promising new strategy to improve the therapeutic efficacy of MSCs and worth further research.	pmid:36076306 doi:10.1186/s13287-022-03157-8	Thu, 08 Sep 2022 06:00:00 -0400
38	pubmed:36077823	Determining the Potential of DNA Damage Response (DDR) Inhibitors in Cervical Cancer Therapy	Santu Saha Stuart Rundle Ioannis C Kotsopoulos Jacob Begbie Rachel Howarth Isabel Y Pappworth Asima Mukhopadhyay Ali Kucukmetin Kevin J Marchbank Nicola Curtin	Cisplatin-based chemo-radiotherapy (CRT) is the standard treatment for advanced cervical cancer (CC) but the response rate is poor (46-72%) and cisplatin is nephrotoxic. Therefore, better treatment of CC is urgently needed. We have directly compared, for the first time, the cytotoxicity of four DDR inhibitors (rucaparib/PARPi, VE-821/ATRi, PF-477736/CHK1i and MK-1775/WEE1i) as single agents, and in combination with cisplatin and radiotherapy (RT) in a panel of CC cells. All inhibitors alone...	pmid:36077823 doi:10.3390/cancers14174288	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
39	pubmed:36077841	Exercise Promotes Pro-Apoptotic Ceramide Signaling in a Mouse Melanoma Model	Jonghae Lee Hannah Savage Shinji Maegawa Riccardo Ballarò Sumedha Pareek Bella Samia Guerrouahen Vidya Gopalakrishnan Keri Schadler	Ceramides are essential sphingolipids that mediate cell death and survival. Low ceramide content in melanoma is one mechanism of drug resistance. Thus, increasing the ceramide content in tumor cells is likely to increase their sensitivity to cytotoxic therapy. Aerobic exercise has been shown to modulate ceramide metabolism in healthy tissue, but the relationship between exercise and ceramide in tumors has not been evaluated. Here, we demonstrate that aerobic exercise causes tumor cell apoptosis...	pmid:36077841 doi:10.3390/cancers14174306	Fri, 09 Sep 2022 06:00:00 -0400
40	pubmed:36077845	Pramlintide: A Novel Therapeutic Approach for Osteosarcoma through Metabolic Reprogramming	Yuanzheng Yang Zhanglong Peng Elsa R Flores Eugenie S Kleinerman	Despite aggressive combination chemotherapy and surgery, outcomes for patients with osteosarcoma have remained stagnant for more than 25 years, and numerous clinical trials have identified no new therapies. p53 deletion or mutation is found in more than 80% of osteosarcoma tumors. In p53-deficient cancers with structurally altered p63 and p73, interfering with tumor cell metabolism using Pramlintide (an FDA-approved drug for type 2 diabetes) results in tumor regression. Pramlintide response is...	pmid:36077845 doi:10.3390/cancers14174310	Fri, 09 Sep 2022 06:00:00 -0400
41	pubmed:36077846	Single-Cell Profiling of the Immune Atlas of Tumor-Infiltrating Lymphocytes in Endometrial Carcinoma	Fang Jiang Yuhao Jiao Kun Yang Mingyi Mao Mei Yu Dongyan Cao Yang Xiang	Endometrial carcinoma (EC) is a gynecological malignancy with a high incidence; however, thorough studies on tumor-infiltrating lymphocyte (TIL) populations in EC are lacking. We aimed to map the immune atlas of TILs in type I EC via single-cell RNA sequencing (scRNA-seq), mass cytometry and flow cytometry analysis. We found that natural killer (NK) cells and CD8+ T lymphocytes were the major components of TILs in EC patients. We first identified three transcriptionally distinct NK cell subsets,...	pmid:36077846 doi:10.3390/cancers14174311	Fri, 09 Sep 2022 06:00:00 -0400
42	pubmed:36077853	Current Progress of CAR-NK Therapy in Cancer Treatment	Zhaojun Pang Zhongyi Wang Fengqi Li Chunjing Feng Xin Mu	CD8^(+) T cells and natural killer (NK) cells eliminate target cells through the release of lytic granules and Fas ligand (FasL)-induced target cell apoptosis. The introduction of chimeric antigen receptor (CAR) makes these two types of cells selective and effective in killing cancer cells. The success of CAR-T therapy in the treatment of acute lymphoblastic leukemia (ALL) and other types of blood cancers proved that the immunotherapy is an effective approach in fighting against cancers, yet...	pmid:36077853 doi:10.3390/cancers14174318	Fri, 09 Sep 2022 06:00:00 -0400
43	pubmed:36077875	Electrochemotherapy: An Alternative Strategy for Improving Therapy in Drug-Resistant SOLID Tumors	Maria Condello Gloria D'Avack Enrico Pierluigi Spugnini Stefania Meschini	Electrochemotherapy (ECT) is one of the innovative strategies to overcome the multi drug resistance (MDR) that often occurs in cancer. Resistance to anticancer drugs results from a variety of factors, such as genetic or epigenetic changes, an up-regulated outflow of drugs, and various cellular and molecular mechanisms. This technology combines the administration of chemotherapy with the application of electrical pulses, with waveforms capable of increasing drug uptake in a non-toxic and well...	pmid:36077875 doi:10.3390/cancers14174341	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
44	pubmed:36078035	Nicotinamide Adenine Dinucleotide (NAD) Metabolism as a Relevant Target in Cancer	Lola E Navas Amancio Carnero	NAD+ is an important metabolite in cell homeostasis that acts as an essential cofactor in oxidation-reduction (redox) reactions in various energy production processes, such as the Krebs cycle, fatty acid oxidation, glycolysis and serine biosynthesis. Furthermore, high NAD+ levels are required since they also participate in many other nonredox molecular processes, such as DNA repair, posttranslational modifications, cell signalling, senescence, inflammatory responses and apoptosis. In these...	pmid:36078035 doi:10.3390/cells11172627	Fri, 09 Sep 2022 06:00:00 -0400
45	pubmed:36078043	Treatment of VLCAD-Deficient Patient Fibroblasts with Peroxisome Proliferator-Activated Receptor Agonist Improves Cellular Bioenergetics	Olivia M D'Annibale Yu Leng Phua Clinton Van't Land Anuradha Karunanidhi Alejandro Dorenbaum Al-Walid Mohsen Jerry Vockley	Background: Very long-chain acyl-CoA dehydrogenase (VLCAD) deficiency is an autosomal recessive disease that prevents the body from utilizing long-chain fatty acids for energy, most needed during stress and fasting. Symptoms can appear from infancy through childhood and adolescence or early adulthood, and include hypoglycemia, recurrent rhabdomyolysis, myopathy, hepatopathy, and cardiomyopathy. REN001 is a peroxisome-proliferator-activated receptor delta (PPAR) agonist that modulates the...	pmid:36078043 doi:10.3390/cells11172635	Fri, 09 Sep 2022 06:00:00 -0400
46	pubmed:36078044	Paracrine ADP Ribosyl Cyclase-Mediated Regulation of Biological Processes	Cecilia Astigiano Andrea Benzi Maria Elena Laugier Francesco Piacente Laura Sturla Lucrezia Guida Santina Bruzzone Antonio De Flora	ADP-ribosyl cyclases (ADPRCs) catalyze the synthesis of the Ca^(2+)-active second messengers Cyclic ADP-ribose (cADPR) and ADP-ribose (ADPR) from NAD^(+) as well as nicotinic acid adenine dinucleotide phosphate (NAADP^(+)) from NADP^(+). The best characterized ADPRC in mammals is CD38, a single-pass transmembrane protein with two opposite membrane orientations. The first identified form, type II CD38, is a glycosylated ectoenzyme, while type III CD38 has its active site in the cytosol. The...	pmid:36078044 doi:10.3390/cells11172637	Fri, 09 Sep 2022 06:00:00 -0400
47	pubmed:36078052	Distinct and Dynamic Transcriptome Adaptations of iPSC-Generated Astrocytes after Cytokine Stimulation	Anna-Sophie Spreng Markus Brüll Heidrun Leisner Ilinca Suciu Marcel Leist	Astrocytes (ACs) do not only play a role in normal neurogenesis and brain homeostasis, but also in inflammatory and neurodevelopmental disorders. We studied here the different patterns of inflammatory activation triggered by cytokines in human induced pluripotent stem cell (iPSC)-derived ACs. An optimized differentiation protocol provided non-inflamed ACs. These cells reacted to TNF with a rapid translocation of NFB, while AC precursors showed little response. Transcriptome changes were...	pmid:36078052 doi:10.3390/cells11172644	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
48	pubmed:36078082	miR-200c-3p, miR-222-5p, and miR-512-3p Constitute a Biomarker Signature of Sorafenib Effectiveness in Advanced Hepatocellular Carcinoma	Patricia de la Cruz-Ojeda Tobias Schmid Loreto Boix Manuela Moreno V́ctor Sapena Juan M Praena-Fernández Francisco J Castell Juan Manuel Falcón-Pérez María Reig Bernhard Brüne Miguel A Gómez-Bravo Álvaro Giráldez Jordi Bruix María T Ferrer Jordi Muntané	CONCLUSIONS: The study showed that Sorafenib regulates a specific miRNA signature in which miR-200c-3p, miR-222-5p, and miR-512-3p bear prognostic value and contribute to treatment response.	pmid:36078082 doi:10.3390/cells11172673	Fri, 09 Sep 2022 06:00:00 -0400
49	pubmed:36078094	Potential Therapeutic Role of Mesenchymal-Derived Stem Cells as an Alternative Therapy to Combat COVID-19 through Cytokines Storm	Tarun Kumar Upadhyay Rashmi Trivedi Fahad Khan Pratibha Pandey Amit Baran Sharangi Harsh Goel Mohd Saeed Moon Nyeo Park Bonglee Kim	Medical health systems continue to be challenged due to newly emerging COVID-19, and there is an urgent need for alternative approaches for treatment. An increasing number of clinical observations indicate cytokine storms to be associated with COVID-19 severity and also to be a significant cause of death among COVID-19 patients. Cytokine storm involves the extensive proliferative and hyperactive activity of T and macrophage cells and the overproduction of pro-inflammatory cytokines. Stem cells...	pmid:36078094 doi:10.3390/cells11172686	Fri, 09 Sep 2022 06:00:00 -0400
50	pubmed:36078096	The CDK1-Related lncRNA and CXCL8 Mediated Immune Resistance in Lung Adenocarcinoma	Jinmin Xue Yang Song Wenwen Xu Yuxi Zhu	CONCLUSION: This study explained that LINC00261, CDK1, and CXCL8 may have a mutual regulation relationship, which affects the occurrence of LUAD and the efficacy of immunotherapy.	pmid:36078096 doi:10.3390/cells11172688	Fri, 09 Sep 2022 06:00:00 -0400
51	pubmed:36078127	Omics Analysis of Chemoresistant Triple Negative Breast Cancer Cells Reveals Novel Metabolic Vulnerabilities	Dimitris Kordias Christina E Kostara Styliani Papadaki John Verigos Eleni Bairaktari Angeliki Magklara	The emergence of drug resistance in cancer poses the greatest hurdle for successful therapeutic results and is associated with most cancer deaths. In triple negative breast cancer (TNBC), due to the lack of specific therapeutic targets, systemic chemotherapy is at the forefront of treatments, but it only benefits a fraction of patients because of the development of resistance. Cancer cells may possess an innate resistance to chemotherapeutic agents or develop new mechanisms of acquired...	pmid:36078127 doi:10.3390/cells11172719	Fri, 09 Sep 2022 06:00:00 -0400
52	pubmed:36078137	Manufacture and Quality Control of Human Umbilical Cord-Derived Mesenchymal Stem Cell Sheets for Clinical Use	Juan Wang Shuang Gao Yufei Zhao Taibing Fan Mingkui Zhang Dehua Chang	Human umbilical cord-derived mesenchymal stem cell (UC-MSC) sheets have attracted much attention in cell therapy. However, the culture media and coating matrix used for the preparation of UC-MSC sheets have not been safe enough to comply with current clinical drug standards. Moreover, the UC-MSC sheet preservation systems developed before did not comply with Good Manufacturing Practice (GMP) regulations. In this study, the culture medium and coating matrix were developed for UC-MSC sheet...	pmid:36078137 doi:10.3390/cells11172732	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
53	pubmed:36078142	Apigetrin Promotes TNF-Induced Apoptosis, Necroptosis, G2/M Phase Cell Cycle Arrest, and ROS Generation through Inhibition of NF-B Pathway in Hep3B Liver Cancer Cells	Pritam Bhagwan Bhosale Abuyaseer Abusaliya Hun Hwan Kim Sang Eun Ha Min Yeong Park Se Hyo Jeong Preethi Vetrivel Jeong Doo Heo Jin-A Kim Chung Kil Won Hyun-Wook Kim Gon Sup Kim	Apigetrin (7-(-D-glucopyranosyloxy)-4',5-dihydroxyflavone), a glycoside bioactive dietary flavonoid derived from Taraxacum officinale and Teucrium gnaphalodes, is known to possess anticancer, antioxidant, and anti-inflammatory effects on numerous cancers. In the present study, we examined the effect of apigetrin in Hep3B hepatocellular cancer cell line (HCC). Apigetrin inhibited cell growth and proliferation of Hep3B cells, as confirmed by MTT and colony formation assay. We used apigetrin at...	pmid:36078142 doi:10.3390/cells11172734	Fri, 09 Sep 2022 06:00:00 -0400
54	pubmed:36078143	Evaluation of the Key Advantages between Two Modalities of Boronophenylalanine Administration for Clinical Boron Neutron Capture Therapy Using an Animal Model	Yu-Chuan Lin Yi-Jang Lee Yi-Wei Chen Shan-Ying Wang Fong-In Chou	In clinical boron neutron capture therapy (BNCT), boronophenylalanine (BPA) administrations through one-step infusion (OSI) and two-step infusion (TSI) are the most widely used. This study compared the advantages of OSI and TSI using a human oral squamous cell carcinoma-bearing animal model. OSI was administered at a high-dose rate of 20 mg/kg/min for 20 min (total dose: 400 mg/kg) as the first step infusion. TSI was a prolonged infusion at a low-dose rate of 1.67 mg/kg/min for 15, 30, 45, and...	pmid:36078143 doi:10.3390/cells11172736	Fri, 09 Sep 2022 06:00:00 -0400
55	pubmed:36078155	Experiences with Glofitamab Administration following CAR T Therapy in Patients with Relapsed Mantle Cell Lymphoma	Alexander D Heini Ulrike Bacher Naomi Porret Gertrud Wiedemann Myriam Legros Denise Stalder Zeerleder Katja Seipel Urban Novak Michael Daskalakis Thomas Pabst	Mantle cell lymphoma (MCL) is a rare type of B-cell Non-Hodgkin lymphoma (NHL) affecting predominantly male patients. While complete remissions following first-line treatment are frequent, most patients ultimately relapse, with a usually aggressive further disease course. The use of cytarabine-comprising induction chemotherapy and autologous stem cell transplantation, Rituximab maintenance, Bruton's tyrosine kinase (BTK) inhibitors and CAR T therapy has substantially improved survival. Still,...	pmid:36078155 doi:10.3390/cells11172747	Fri, 09 Sep 2022 06:00:00 -0400
56	pubmed:36078156	Functional Intercellular Transmission of miHTT via Extracellular Vesicles: An In Vitro Proof-of-Mechanism Study	Roberto D V S Morais Marina Sogorb-González Citlali Bar Nikki C Timmer M Leontien Van der Bent Morgane Wartel Astrid Vallès	Huntington's disease (HD) is a fatal neurodegenerative disorder caused by GAG expansion in exon 1 of the huntingtin (HTT) gene. AAV5-miHTT is an adeno-associated virus serotype 5-based vector expressing an engineered HTT-targeting microRNA (miHTT). Preclinical studies demonstrate the brain-wide spread of AAV5-miHTT following a single intrastriatal injection, which is partly mediated by neuronal transport. miHTT has been previously associated with extracellular vesicles (EVs), but whether EVs...	pmid:36078156 doi:10.3390/cells11172748	Fri, 09 Sep 2022 06:00:00 -0400
57	pubmed:36078158	Mineralocorticoid Receptor Antagonists Mitigate Mitral Regurgitation-Induced Myocardial Dysfunction	Wei-Ting Chang Yu-Wen Lin Chin-Yu Chen Zhih-Cherng Chen Jhih-Yuan Shih Chia-Ching Wu Chwan-Yau Luo Ping-Yen Liu	Mitral regurgitation (MR), the disruption of the mitral valve, contributes to heart failure (HF). Under conditions of volume overload, excess mineralocorticoids promote cardiac fibrosis. The mineralocorticoid receptor antagonist spironolactone is a potassium-sparing diuretic and a guideline-recommended therapy for HF, but whether it can ameliorate degenerative MR remains unknown. Herein, we investigate the efficacy of spironolactone in improving cardiac remodeling in MR-induced HF compared with...	pmid:36078158 doi:10.3390/cells11172750	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
58	pubmed:36078173	Transplantation of Human Induced Pluripotent Stem Cell-Derived Neural Progenitor Cells Promotes Forelimb Functional Recovery after Cervical Spinal Cord Injury	Yiyan Zheng Chrystine M Gallegos Haipeng Xue Shenglan Li Dong H Kim Hongxia Zhou Xugang Xia Ying Liu Qilin Cao	Locomotor function after spinal cord injury (SCI) is critical for assessing recovery. Currently, available means to improve locomotor function include surgery, physical therapy rehabilitation and exoskeleton. Stem cell therapy with neural progenitor cells (NPCs) transplantation is a promising reparative strategy. Along this line, patient-specific induced pluripotent stem cells (iPSCs) are a remarkable autologous cell source, which offer many advantages including: great potential to generate...	pmid:36078173 doi:10.3390/cells11172765	Fri, 09 Sep 2022 06:00:00 -0400
59	pubmed:36078177	Differentiation Capacity of Bone Marrow-Derived Rat Mesenchymal Stem Cells from DsRed and Cre Transgenic Cre/<i>loxP</i> Models	Hsiang-Ching Tseng Menq-Rong Wu Chia-Hsun Lee Jong-Kai Hsiao	Cre/ <i>loxP</i> recombination is a well-established technique increasingly used for modifying DNA both in vitro and in vivo. Nucleotide alterations can be edited in the genomes of mammalian cells, and genetic switches can be designed to target the expression or excision of a gene in any tissue at any time in animal models. In this study, we propose a system which worked via the Cre/ <i>loxP</i> switch gene and DsRed/emGFP dual-color fluorescence imaging. Mesenchymal stem cells (MSCs) can be used to regenerate...	pmid:36078177 doi:10.3390/cells11172769	Fri, 09 Sep 2022 06:00:00 -0400
60	pubmed:36078884	Investigation of the Effect of Imatinib and Hydroxyurea Combination Therapy on Hematological Parameters and Gene Expression in Chronic Myeloid Leukemia (CML) Patients	Esraa K Al-Amleh Ola M Al-Sanabra Khalid M Alqaisi Moath Alqaraleh Jumana Al-Nahal Lama Hamadneh Mohammed Imad Malki Jehad F Alhמוד	(1) Background: Chronic myeloid leukemia is defined as the neoplastic development of mostly myeloid cells in the bone marrow. Several treatments, including chemotherapy, radiation, hormone treatment, and immunological therapy, can be used to control this condition. The therapeutic impact on leukemic individuals varies, and the response to therapy varies between patients due to disease heterogeneity. The primary goal of this study is to compare the effects of single and Imatinib (IM) and...	pmid:36078884 doi:10.3390/jcm11174954	Fri, 09 Sep 2022 06:00:00 -0400
61	pubmed:36078900	The Clinical Effects of Pixel CO₂ Laser on Bladder Neck and Stress Urinary Incontinence	Cheng-Yu Long Jennifer Po-Ning Lee Zi-Xi Loo Yi-Yin Liu Chang-Lin Yeh Chien-Wei Feng Kun-Ling Lin	CONCLUSIONS: The results of our study suggested that for the treatment of mild to moderate SUI symptoms, Pixel CO(2) Laser is effective and safe; however, more studies and a longer follow-up should be conducted to confirm its efficacy and durability.	pmid:36078900 doi:10.3390/jcm11174971	Fri, 09 Sep 2022 06:00:00 -0400
62	pubmed:36078989	Prognostic Effect of the Dose of Radiation Therapy and Extent of Lymphadenectomy in Patients Receiving Neoadjuvant Chemoradiotherapy for Esophageal Squamous Carcinoma	Chu-Pin Pai Ling-I Chien Chien-Sheng Huang Han-Shui Hsu Po-Kuei Hsu	Neoadjuvant chemoradiotherapy has been used for patients with locally advanced esophageal squamous cell carcinoma (ESCC). However, the optimal dose of radiation therapy and the effect of lymphadenectomy after neoadjuvant therapy on patient outcomes are uncertain. We retrospectively reviewed the data of patients who received neoadjuvant therapy followed by surgery for ESCC. Overall survival (OS), disease-free survival (DFS), and perioperative outcomes were compared between patients who received...	pmid:36078989 doi:10.3390/jcm11175059	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
63	pubmed:36079046	Does Hecpidin Tuning Have a Role among Emerging Treatments for Thalassemia?	Filomena Longo Antonio Piga	The treatments available for thalassemia are rapidly evolving, with major advances made in gene therapy and the modulation of erythropoiesis. The latter includes the therapeutic potential of hepcidin tuning. In thalassemia, hepcidin is significantly depressed, and any rise in hepcidin function has a positive effect on both iron metabolism and erythropoiesis. Synthetic hepcidin and hepcidin mimetics have been developed to the stage of clinical trials. However, they have failed to produce an...	pmid:36079046 doi:10.3390/jcm11175119	Fri, 09 Sep 2022 06:00:00 -0400
64	pubmed:36079081	(R)Evolution in Allergic Rhinitis Add-On Therapy: From Probiotics to Postbiotics and Parabiotics	Martina Capponi Alessandra Gori Giovanna De Castro Giorgio Ciprandi Caterina Anania Giulia Brindisi Mariangela Tosca Bianca Laura Cinicola Alessandra Salvatori Lorenzo Loffredo Alberto Spalice Anna Maria Zicari	Starting from the "Hygiene Hypothesis" to the "Microflora hypothesis" we provided an overview of the symbiotic and dynamic equilibrium between microbiota and the immune system, focusing on the role of dysbiosis in atopic march, particularly on allergic rhinitis. The advent of deep sequencing technologies and metabolomics allowed us to better characterize the microbiota diversity between individuals and body sites. Each body site, with its own specific environmental niches, shapes the microbiota...	pmid:36079081 doi:10.3390/jcm11175154	Fri, 09 Sep 2022 06:00:00 -0400
65	pubmed:36079085	Switching between Enzyme Replacement Therapies and Substrate Reduction Therapies in Patients with Gaucher Disease: Data from the Gaucher Outcome Survey (GOS)	Derralynn A Hughes Patrick Deegan Pilar Giraldo Özlem Göker-Alpan Heather Lau Elena Lukina Shoshana Revel-Vilk Maurizio Scarpa Jaco Botha Noga Gadir Ari Zimran GOS Steering Committee	Switching between enzyme replacement therapies (ERT) and substrate reduction therapies (SRT) in patients with type 1 Gaucher disease (GD1) is not uncommon; however, the reasons for switchng treatments have not been explored in detail. Data from the Gaucher Outcome Survey (GOS), an international registry for patients with confirmed GD, were used to evaluate the reasons for, and consequences of, switching between these treatment types. Of the 1843 patients enrolled in GOS on 25 February 2020, 245...	pmid:36079085 doi:10.3390/jcm11175158	Fri, 09 Sep 2022 06:00:00 -0400
66	pubmed:36079123	The Impact of High CMV Viral Load and Refractory CMV Infection on Pediatric HSCT Recipients with Underlying Non-Malignant Disorder	Zofia Szmit Jowita Frczkiewicz Magorzata Salamonowicz-Bodzioch Anna Król Marek Ussowicz Monika Mielcarek-Siedziuk Karolina Liszka Pawe Marschollek Ewa Gorczyńska Krzysztof Kawak	Hematopoietic stem cell transplantation (HSCT) is a curative therapy for an increasing number of nonmalignant indications. Its use is restricted by severe transplant-related complications, including CMV infection; despite various prophylactic and therapeutic strategies, CMV reactivation has remarkable morbidity and mortality. The analysis included 94 children with nonmalignant disorder who underwent allogeneic HSCT in the Department of Pediatric Hematology, Oncology, and Bone Marrow...	pmid:36079123 doi:10.3390/jcm11175187	Fri, 09 Sep 2022 06:00:00 -0400
67	pubmed:36079132	Hajdu-Cheney Syndrome: A Novel NOTCH2 Mutation in a Spanish Child in Treatment with Vibrotherapy: A Case Report	Jonathan Cortés-Martín Lourdes Díaz-Rodríguez Beatriz Piqueras-Sola Juan Carlos Sánchez-García Antonio Liñán González Raquel Rodríguez-Blanke	A case report of an 11-year-old boy with a de novo variant in NOTCH2 and clinical features characteristic of Hajdu-Cheney syndrome is reported, with acroosteolysis of the distal phalanges of the feet and hands, generalized osteoporosis, musculoskeletal and craniofacial alterations, short stature, bowing of long bones, vertebral anomalies, genu recurvatum, hypertrichosis, joint and skin hyperlaxity, atopic dermatitis, megalocorneas, micrognathia and frequent respiratory infections, among others....	pmid:36079132 doi:10.3390/jcm11175205	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
68	pubmed:36079573	Potential Apoptotic Activities of <i>Hylocereus undatus</i> Peel and Pulp Extracts in MCF-7 and Caco-2 Cancer Cell Lines	Hanin S Salam Mohamed M Tawfik Mohamed R Elnagar Hamdoon A Mohammed Mohamed A Zarka Nabil S Awad	There is a huge demand for novel anticancer agents with fewer side effects compared to current therapies. Pitaya, or dragon fruit, is a reservoir of potent anticancer compounds. This research aimed to analyze the phytochemical components of Hylocereus undatus pulp and peel extracts using LC-MS and GC-MS, and to investigate the in vitro effects of both extracts against cancer (breast, MCF-7, and colon, Caco-2) and normal (lung; WI-38 and breast; MCF-10A) cell proliferation using the MTT assay....	pmid:36079573 doi:10.3390/plants11172192	Fri, 09 Sep 2022 06:00:00 -0400
69	pubmed:36079579	Countering Triple Negative Breast Cancer via Impeding Wnt/-Catenin Signaling, a Phytotherapeutic Approach	Laleh Arzi Homa Mollaei Reyhane Hoshyar	Triple negative breast cancer (TNBC) is characterized as a heterogeneous disease with severe malignancy and high mortality. Aberrant Wnt/-catenin signaling is responsible for self-renewal and mammosphere generation, metastasis and resistance to apoptosis and chemotherapy in TNBC. Nonetheless, in the absence of a targeted therapy, chemotherapy is regarded as the exclusive treatment strategy for the treatment of TNBC. This review aims to provide an unprecedented overview of the plants and herbal...	pmid:36079579 doi:10.3390/plants11172191	Fri, 09 Sep 2022 06:00:00 -0400
70	pubmed:36079846	Moving the Needle in Gout Management: The Role of Culture, Diet, Genetics, and Personalized Patient Care Practices	Youssef M Roman	Gout is a metabolic disorder, and one of the most common inflammatory arthritic conditions, caused by elevated serum urate (SU). Gout is globally rising, partly due to global dietary changes and the growing older adult population. Gout was known to affect people of high socioeconomic status. Currently, gout disproportionately affects specific population subgroups that share distinct racial and ethnic backgrounds. While genetics may predict SU levels, nongenetic factors, including diet, cultural...	pmid:36079846 doi:10.3390/nu14173590	Fri, 09 Sep 2022 06:00:00 -0400
71	pubmed:36079985	Lipid-Based Nanomaterials for Drug Delivery Systems in Breast Cancer Therapy	Lekshmi Rethi Chinmaya Mutalik Dito Anurogo Long-Sheng Lu Hsiu-Yi Chu Sibidou Yougbaré Tsung-Rong Kuo Tsai-Mu Cheng Fu-Lun Chen	Globally, breast cancer is one of the most prevalent diseases, inducing critical intimidation to human health. Lipid-based nanomaterials have been successfully demonstrated as drug carriers for breast cancer treatment. To date, the development of a better drug delivery system based on lipid nanomaterials is still urgent to make the treatment and diagnosis easily accessible to breast cancer patients. In a drug delivery system, lipid nanomaterials have revealed distinctive features, including high...	pmid:36079985 doi:10.3390/nano12172948	Fri, 09 Sep 2022 06:00:00 -0400
72	pubmed:36080186	pH-Responsive PEGylated Niosomal Nanoparticles as an Active-Targeting Cyclophosphamide Delivery System for Gastric Cancer Therapy	Farnaz Khodabakhsh Mahsa Bourbour Mohammad Tavakkoli Yaraki Saina Bazzazan Haleh Bakhshandeh Reza Ahangari Cohan Yen Nee Tan	A PEGylated niosomal formulation of cyclophosphamide (Nio-Cyclo-PEG) was prepared using a central composite design and characterized in terms of drug loading, size distribution, and average size. The stability of formulations was also studied at different conditions. In vitro cytotoxicity of drug delivery formulations was assessed on gastric cancer cells using MTT assay. The mechanism of cytotoxicity was studied at the transcriptional level by real-time PCR on Caspase3, Caspase9, CyclinD,...	pmid:36080186 doi:10.3390/molecules27175418	Fri, 09 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
73	pubmed:36080219	Combination Anticancer Therapies Using Selected Phytochemicals	Wamidh H Talib Dima Awajan Reem Ali Hamed Aya O Azzam Asma Ismail Mahmud Intisar Hadi Al-Yasari	Cancer is still one of the most widespread diseases globally, it is considered a vital health challenge worldwide and one of the main barriers to long life expectancy. Due to the potential toxicity and lack of selectivity of conventional chemotherapeutic agents, discovering alternative treatments is a top priority. Plant-derived natural products have high potential in cancer treatment due to their multiple mechanisms of action, diversity in structure, availability in nature, and relatively low...	pmid:36080219 doi:10.3390/molecules27175452	Fri, 09 Sep 2022 06:00:00 -0400
74	pubmed:36080255	Designing Dual Inhibitors of Autotaxin-LPAR GPCR Axis	Souvik Banerjee Suechin Lee Derek D Norman Gabor J Tigyi	The ATX-LPA-LPAR1 signaling pathway plays a universal role in stimulating diverse cellular responses, including cell proliferation, migration, survival, and invasion in almost every cell type. The ATX-LPAR1 axis is linked to several metabolic and inflammatory diseases including cancer, fibrosis, and rheumatoid arthritis. Numerous selective ATX or LPAR1 inhibitors have been developed and so far, their clinical efficacy has only been evaluated in idiopathic pulmonary fibrosis. None of the ATX and...	pmid:36080255 doi:10.3390/molecules27175487	Fri, 09 Sep 2022 06:00:00 -0400
75	pubmed:36080256	The Effect of a New <i>N</i>-hetero Cycle Derivative on Behavior and Inflammation against the Background of Ischemic Stroke	Denis A Borozdenko Tatiana A Shmigol Aiarpi A Ezdoglian Darya I Gonchar Natalia Y Karpechenko Dmitri N Lyakhmun Anastasia D Shagina Elvira A Cherkashova Daria D Namestnikova Ilya L Gubskiy Anastasia A Chernysheva Nina M Kiseleva Vadim V Negrebetsky Yuri I Baukov	Ischemic stroke triggers a whole cascade of pathological changes in the brain, one of which is postischemic inflammation. Since in such cases thrombolytic therapy is often not possible, methods that modulate inflammation and affect microglia become particularly interesting. We synthesized 3-(2-oxo-4-phenylpyrrolidin-1-yl)propane-1-sulfonate calcium(II) (Compound 4) and studied its anti-inflammatory activity in in vitro and in vivo models of inflammation and ischemia. Macrophage cell line RAW...	pmid:36080256 doi:10.3390/molecules27175488	Fri, 09 Sep 2022 06:00:00 -0400
76	pubmed:36080326	Discovery of Quinacrine as a Potent Topo II and Hsp90 Dual-Target Inhibitor, Repurposing for Cancer Therapy	Xin Pan Teng-Yu Mao Yan-Wen Mai Cheng-Cheng Liang Wei-Hao Huang Yong Rao Zhi-Shu Huang Shi-Liang Huang	Topo II and Hsp90 are promising targets. In this study, we first verified the structural similarities between Topo II ATPase and Hsp90 N-ATPase. Subsequently, 720 compounds from the Food and Drug Administration (FDA) drug library and kinase library were screened using the malachite green phosphate combination with the Topo II-mediated DNA relaxation and MTT assays. Subsequently, the antimalarial drug quinacrine was found to be a potential dual-target inhibitor of Topo II and Hsp90. Mechanistic...	pmid:36080326 doi:10.3390/molecules27175561	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
77	pubmed:36080362	Molecular Genomic Study of Inhibin Molecule Production through Granulosa Cell Gene Expression in Inhibin-Deficient Mice	Hira Sajjad Talpur Zia Ur Rehman Mostafa Gouda Aixing Liang Iqra Bano Mir Sajjad Hussain FarmanUllah FarmanUllah Liguo Yang	Inhibin is a molecule that belongs to peptide hormones and is excreted through pituitary gonadotropins stimulation action on the granulosa cells of the ovaries. However, the differential regulation of inhibin and follicle-stimulating hormone (FSH) on granulosa cell tumor growth in mice inhibin-deficient females is not yet well understood. The objective of this study was to evaluate the role of inhibin and FSH on the granulosa cells of ovarian follicles at the premature antral stage. This study...	pmid:36080362 doi:10.3390/molecules27175595	Fri, 09 Sep 2022 06:00:00 -0400
78	pubmed:36080383	Hyaluronic Acid Oligosaccharide Derivatives Alleviate Lipopolysaccharide-Induced Inflammation in ATDC5 Cells by Multiple Mechanisms	Hesuyuan Huang Xuyang Ding Dan Xing Jianjing Lin Zhongtang Li Jianhao Lin	High molecular weight hyaluronic acids (HMW-HAs) have been used for the palliative treatment of osteoarthritis (OA) for decades, but the pharmacological activity of HA fragments has not been fully explored due to the limited availability of structurally defined HA fragments. In this study, we synthesized a series glycosides of oligosaccharides of HA (o-HAs), hereinafter collectively referred to as o-HA derivatives. Their effects on OA progression were examined in a chondrocyte inflammatory model...	pmid:36080383 doi:10.3390/molecules27175619	Fri, 09 Sep 2022 06:00:00 -0400
79	pubmed:36080457	Compound Capecitabine Colon-Targeted Microparticle Prepared by Coaxial Electrospray for Treatment of Colon Tumors	Ruiqi Chen Ruidong Zhai Chao Wang Shulong Liang Jing Wang Zhepeng Liu Wenlin Li	To improve the antitumor effect of combined capecitabine (CAP) and osimertinib (OSI) therapy and quickly and efficiently reduce tumor volumes for preoperative chemotherapy, we designed a compound CAP colon-targeted microparticle (COPMP) prepared by coaxial electrospray. COPMP is a core-shell microparticle composed of a Eudragit S100 outer layer and a CAP/OSI-loaded PLGA core. In this study, we characterized its size distribution, drug loading (DL), encapsulation efficiency (EE), differential...	pmid:36080457 doi:10.3390/molecules27175690	Fri, 09 Sep 2022 06:00:00 -0400
80	pubmed:36080493	Prostate Cancer Review: Genetics, Diagnosis, Treatment Options, and Alternative Approaches	Mamello Sekhoacha Keamogetswe Riet Paballo Motloung Lemohang Gumenku Ayodeji Adegoke Samson Mashele	Prostate cancer is one of the malignancies that affects men and significantly contributes to increased mortality rates in men globally. Patients affected with prostate cancer present with either a localized or advanced disease. In this review, we aim to provide a holistic overview of prostate cancer, including the diagnosis of the disease, mutations leading to the onset and progression of the disease, and treatment options. Prostate cancer diagnoses include a digital rectal examination,...	pmid:36080493 doi:10.3390/molecules27175730	Fri, 09 Sep 2022 06:00:00 -0400
81	pubmed:36080509	Correction: Wang et al. Cell-Penetrating Peptide and Transferrin Co-Modified Liposomes for Targeted Therapy of Glioma. Molecules 2019, 24, 3540	Xi Wang Yarong Zhao Shiyan Dong Robert J Lee Dongsheng Yang Huan Zhang Lesheng Teng	When reviewing our publications, an error in article [...].	pmid:36080509 doi:10.3390/molecules27175729	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
82	pubmed:36080654	Apigenin Loaded Lipoid-PLGA-TPGS Nanoparticles for Colon Cancer Therapy: Characterization, Sustained Release, Cytotoxicity, and Apoptosis Pathways	Mohamed A Alfaleh Anwar M Hashem Turki S Abujamel Nabil A Alhakamy Mohd Abul Kalam Yassine Riadi Shadab Md	Colon cancer (CC) is one of major causes of mortality and affects the socio-economic status world-wide. Therefore, developing a novel and efficient delivery system is needed for CC management. Thus, in the present study, lipid polymer hybrid nanoparticles of apigenin (LPHyNPs) was prepared and characterized on various parameters such as particle size (234.80 ± 12.28 nm), PDI (0.11 ± 0.04), zeta potential (-5.15 ± 0.70 mV), EE ($55.18 \pm 3.61\%$), etc. Additionally, the DSC, XRD, and FT-IR analysis...	pmid:36080654 doi:10.3390/polym14173577	Fri, 09 Sep 2022 06:00:00 -0400
83	pubmed:36080731	Dentin Sialoprotein/Phosphophoryn (DSP/PP) as Bio-Inductive Materials for Direct Pulp Capping	Shu-Fen Chuang Yu-Hsuan Chen Peter X Ma Helena H Ritchie	Conventional direct pulp capping, such as calcium hydroxide (Ca(OH)(2)) or silicate products, usually induces an inflammatory reaction to provoke pulp regeneration. Phosphophoryn (PP) and dentin sialoprotein (DSP), the two most abundant non-collagenous proteins in the dentin matrix, are responsible for dentin mineralization, pulp cell migration, and differentiation. Here we examined the PP and combined DSP/PP as bio-inductive pulp capping materials by in vitro and in vivo tests. Firstly, the...	pmid:36080731 doi:10.3390/polym14173656	Fri, 09 Sep 2022 06:00:00 -0400
84	pubmed:36081241	Clinical and electroencephalography characteristics of 41 children with epileptic spasms onset after 1 year of age	Lisi Yan Yu Deng Jin Chen Yue Hu Siqi Hong Li Jiang	The incidence of epileptic spasms (ES) that begin after the first year of life is much lower than that before 1 year of age. The aim of this study was to identify clinical and electroencephalography (EEG) characteristics, etiologies, treatments, and prognoses in pediatric patients with ES onset after 1 year of age. Forty-one children were retrospectively identified in Children's Hospital of Chongqing Medical University between January 1, 2020 and December 1, 2021. ES onset after 1 year of age...	pmid:36081241 doi:10.1016/j.yebeh.2022.108902	Fri, 09 Sep 2022 06:00:00 -0400
85	pubmed:36081275	Five-year relative survival and determinants of excess mortality in patients with head and neck and thyroid cancers: A population-based study from Golestan province, Northern Iran	Mohammadhosein Taziki Siamak Rajaei Golare Firouzei Fatemehsadat Hashemzadeh Mahdis Rajabalian Mohsen Mansoury SeyedMehdi Sedaghat Fahimeh Ghahraman Fatemeh Ghasemi-Kebria Elisabete Weiderpass Gholamreza Roshandel	CONCLUSION: Our findings suggested low RS for thyroid cancer in our population, while the estimates for HNSCC were comparable with other population. Metastasis, treatment type and age were determinants of mortality both in thyroid and HNSCC patients.	pmid:36081275 doi:10.1016/j.canep.2022.102247	Fri, 09 Sep 2022 06:00:00 -0400
86	pubmed:36081304	Clinical differences between early-onset and mid-and-late-onset Parkinson's disease: Data analysis of the Hellenic Biobank of Parkinson's disease	Efthalia Angelopoulou Maria Bozi Athina-Maria Simitsi Christos Koros Roubina Antonelou Nikolaos Papagiannakis Matina Maniati Dafni Poula Maria Stamelou Demetrios K Vassilatis Ioannis Michalopoulos Styliani Geronikolou Nikolaos Scarmeas Leonidas Stefanis	CONCLUSIONS: EOPD and MLOPD display distinct clinical profiles, regarding motor and non-motor symptoms, side of onset and motor complications in the Greek population. These differences may reflect diverse pathophysiological backgrounds, potentially attributed to genetic or age-related epigenetic influences.	pmid:36081304 doi:10.1016/j.jns.2022.120405	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
87	pubmed:36081357	Host-directed immunotherapy to fight infectious diseases	Mélanie J Langelier Donald C Vinh	PURPOSE OF REVIEW: This review provides readers with examples of refractory infections due to inborn errors of immunity, highlighting how they may be successfully treated by deducing and targeting the underlying immunodeficiency.	pmid:36081357 doi:10.1097/MOP.0000000000001176	Fri, 09 Sep 2022 06:00:00 -0400
88	pubmed:36081396	Metabolic syndrome, obesity and cancer risk	Federico Belladelli Francesco Montorsi Alberto Martini	PURPOSE OF REVIEW: This review aims to report the latest discoveries regarding the relationship between BMI, obesity, and cancer development and treatment.	pmid:36081396 doi:10.1097/MOU.0000000000001041	Fri, 09 Sep 2022 06:00:00 -0400
89	pubmed:36081434	Screening of Differentially Expressed Iron Death-Related Genes and the Construction of Prognosis Model in Patients with Renal Clear Cell Carcinoma	Ding Wu Zhenyu Xu Zhan Shi Ping Li Huichen Lv Jie Huang Dian Fu	CONCLUSION: Seven iron death genes can accurately predict the survival of patients with renal clear cell carcinoma.	pmid:36081434 pmc:PMC9448526 doi:10.1155/2022/4456987	Fri, 09 Sep 2022 06:00:00 -0400
90	pubmed:36081499	mRNAsi-related metabolic risk score model identifies poor prognosis, immunoevasive contexture, and low chemotherapy response in colorectal cancer patients through machine learning	Meilin Weng Ting Li Jing Zhao Miaomiao Guo Wenling Zhao Wenchao Gu Caihong Sun Ying Yue Ziwen Zhong Ke Nan Qingwu Liao Minli Sun Di Zhou Changhong Miao	Colorectal cancer (CRC) is one of the most fatal cancers of the digestive system. Although cancer stem cells and metabolic reprogramming have an important effect on tumor progression and drug resistance, their combined effect on CRC prognosis remains unclear. Therefore, we generated a 21-gene mRNA stemness index-related metabolic risk score model, which was examined in The Cancer Genome Atlas and Gene Expression Omnibus databases (1323 patients) and validated using the Zhongshan Hospital cohort...	pmid:36081499 pmc:PMC9445443 doi:10.3389/fimmu.2022.950782	Fri, 09 Sep 2022 06:00:00 -0400
91	pubmed:36081504	Identification and analysis of necroptosis-associated signatures for prognostic and immune microenvironment evaluation in hepatocellular carcinoma	Juan Lu Chengbo Yu Qiongling Bao Xiaoqian Zhang Jie Wang	CONCLUSION: Based on necroptosis-related genes, we classified patients into 3 clusters, among which C1 had significantly shorter overall survival times. The proposed necroptosis signatures-based prognosis prediction model provides a novel approach in HCC survival prediction and clinical evaluation.	pmid:36081504 pmc:PMC9445885 doi:10.3389/fimmu.2022.973649	Fri, 09 Sep 2022 06:00:00 -0400
92	pubmed:36081506	Immune effector cell associated neurotoxicity syndrome in chimeric antigen receptor-T cell therapy	Robert C Sterner Rosalie M Sterner	Chimeric antigen receptor (CAR)-T cell therapy is an emerging staple in the treatment of certain hematological malignancies. While CAR-T cells have produced robust responses in certain hematological malignancies, toxicities associated with the therapy have limited their use. Immune Effector Cell Associated Neurotoxicity Syndrome (ICANS) is a potentially life-threatening neurotoxicity that commonly occurs with CAR-T cell therapy. Here we will discuss ICANS, its treatment, possible mechanisms, and...	pmid:36081506 pmc:PMC9445841 doi:10.3389/fimmu.2022.879608	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
93	pubmed:36081507	Chronic granulomatous disease and McLeod syndrome: Stem cell transplant and transfusion support in a 2-year-old patient-a case report	Louise Helander Chris McKinney Kathleen Kelly Samantha Mack Mary Sanders Janice Gurley Larry J Dumont Kyle Annen	Chronic granulomatous disease (CGD) with McLeod neuroacanthocytosis syndrome (MLS) is a contiguous gene deletion disorder characterized by defective phagocytic function and decreased Kell antigen expression. CGD cure is achieved through hematopoietic stem cell transplant (HSCT) usually in the peri-pubescent years. The presence of MLS makes peri-transfusion support complex, however. Herein, we present the youngest known case of HSCT for CGD in the setting of MLS. A 2-year-old male patient was...	pmid:36081507 pmc:PMC9445126 doi:10.3389/fimmu.2022.994321	Fri, 09 Sep 2022 06:00:00 -0400
94	pubmed:36081515	Immune tolerance induced by hematopoietic stem cell infusion after HLA identical sibling kidney transplantation	Hongfeng Huang Qixia Shen Jingyi Zhou Xiuyan Yang Qiuqin Cai Jia Shen Shi Feng Wenqing Xie Hong Jiang Jianghua Chen	After the first attempt to induce operational tolerance, it has taken decades to implement it in clinical practice. Recipients with Human leukocyte antigen (HLA) identical sibling donors were enrolled. Hematopoietic stem cells (HSCs) infusion was done after HLA identical sibling kidney transplantation (KTx). Three cases included were followed up for over 8 years. The perioperative conditioning protocol included anti-CD20, rabbit anti-thymocyte globulin (ATG), total lymphoid irradiation (TLI),...	pmid:36081515 pmc:PMC9447861 doi:10.3389/fimmu.2022.995243	Fri, 09 Sep 2022 06:00:00 -0400
95	pubmed:36081517	Impact of glucocorticoids on short-term and long-term outcomes in patients with relapsed/refractory multiple myeloma treated with CAR-T therapy	Xue Wang Yuekun Qi Hujun Li Fengan Liu Jiang Cao Wei Chen Ying Wang Kunming Qi Zhiling Yan Feng Zhu Zhenyu Li Hai Cheng Kailin Xu	CONCLUSION: Administration of GCs, dose, timing, and duration does not influence the clinical efficacy of CAR-T cells in RRMM in this study.	pmid:36081517 pmc:PMC9447480 doi:10.3389/fimmu.2022.943004	Fri, 09 Sep 2022 06:00:00 -0400
96	pubmed:36081544	Survival benefit of thermal ablation therapy for patients with stage II-III non-small cell lung cancer: A propensity-matched analysis	Wei-Yu Yang Yu He Qikang Hu Muyun Peng Zhe Zhang Shouzhi Xie Fenglei Yu	CONCLUSION: TA could be an effective alternative treatment for stage II-III NSCLC patients unsuitable for surgical resection, particularly those 70 years of age, with tumor size 3.0 cm, or who have not received radiotherapy.	pmid:36081544 pmc:PMC9446892 doi:10.3389/fonc.2022.984932	Fri, 09 Sep 2022 06:00:00 -0400
97	pubmed:36081560	Is ICI-based therapy better than chemotherapy for metastatic NSCLC patients who develop EGFR-TKI resistance? A real-world investigation	Yajie Cheng Bin Yang Wen Ouyang Chen Jie Wei Zhang Gang Chen Junhong Zhang Jing Yu Conghua Xie	CONCLUSION: For patients presenting with EGFR-TKI resistance, ICI-based therapy could offer a more favorable survival than classical chemotherapy. The combination of ICI with chemotherapy may be the optimal modality for those with good ECOG PS scores.	pmid:36081560 pmc:PMC9445807 doi:10.3389/fonc.2022.920047	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
98	pubmed:36081561	Clinical relevance of the combined analysis of circulating tumor cells and anti-tumor T-cell immunity in metastatic breast cancer patients	Elena Muraro Fabio Del Ben Matteo Turetta Daniela Cesselli Michela Bulfoni Rita Zamarchi Elisabetta Rossi Simon Spazzapan Riccardo Dolcetti Agostino Steffan Giulia Brisotto	CONCLUSION: These data, whether validated in a larger cohort of patients, suggest that the combined analysis of CTCs and circulating anti-tumor T-cell immunity could represent a valuable immune-oncological biomarker for the liquid biopsy field. The clinical application of this promising tool could improve the management of mBC patients, especially in the setting of immunotherapy, a rising approach for BC treatment requiring reliable predictive biomarkers.	pmid:36081561 pmc:PMC9446887 doi:10.3389/fonc.2022.983887	Fri, 09 Sep 2022 06:00:00 -0400
99	pubmed:36081572	Natural Baicalein-Rich Fraction as Radiosensitizer in Combination with Bismuth Oxide Nanoparticles and Cisplatin for Clinical Radiotherapy	Noor Nabilah Talik Sisin Nor Fazila Che Mat Raizulnasuha Ab Rashid Norhayati Dollah Khairunisak Abdul Razak Moshi Geso Merfat Algethami Wan Nordiana Rahman	CONCLUSION: The BRF is found to induce relatively less radiosensitization effects compared to the BiONPs and Cis. The BB and BCB combinations have shown better effects with potential for becoming competently suitable radiosensitizers in breast cancer therapies.	pmid:36081572 pmc:PMC9448000 doi:10.2147/IJN.S370478	Fri, 09 Sep 2022 06:00:00 -0400
100	pubmed:36081621	The Role of Cell and Gene Therapies in the Treatment of Infertility in Patients with Thyroid Autoimmunity	Sanja Medenica Dzihan Abazovic Aleksandar Ljubi Jovana Vukovic Aleksa Begovic Gaspere Cucinella Simona Zaami Giuseppe Gullo	There is a rising incidence of infertility worldwide, and many couples experience difficulties conceiving nowadays. Thyroid autoimmunity (TAI) is recognized as one of the major female infertility causes related to a diminished ovarian reserve and potentially impaired oocyte maturation and embryo development, causing adverse pregnancy outcomes. Growing evidence has highlighted its impact on spontaneously achieved pregnancy and pregnancy achieved by in vitro fertilization. Despite the influence of...	pmid:36081621 pmc:PMC9448571 doi:10.1155/2022/4842316	Fri, 09 Sep 2022 06:00:00 -0400
101	pubmed:36081669	Significance of lncRNA CDKN2B-AS1 in Interventional Therapy of Liver Cancer and the Mechanism under Its Participation in Tumour Cell Growth via miR-199a-5p	Lu Xu Haotian Wu Jianhua Pan Zhiheng Chen Linan Du	CONCLUSION: With high expression in LC cases, CDKN2B-AS1 is implicated in the development and progression of LC by suppressing cell autophagy through targeting miR-199a-5p.	pmid:36081669 pmc:PMC9448535 doi:10.1155/2022/2313416	Fri, 09 Sep 2022 06:00:00 -0400
102	pubmed:36081671	Characterization of the Newly Established Homoharringtonine- (HHT-) Resistant Cell Lines and Mechanisms of Resistance	Fenglin Li Qing Ling Chao Hu Huafeng Wang Wenle Ye Xia Li Xiang Zhang Xiangjie Lin Wenwen Wei Xin Huang Yu Qian Haihui Zhuang Jie Jin Ying Lu	Homoharringtonine- (HHT-) based HHT, aclarubicin, and cytarabine (HAA) induction regimen is the first-line therapy for nonelder acute myeloid leukemia (AML) patients in China. However, drug resistance is a new challenge, and little attention has been devoted to excavating resistant mechanisms. This study used the classic method to construct six HHT-resistant cell lines with a gradually increasing resistance index (RI) to discover HHT drug resistance mechanisms dynamically. After HHT resistance,...	pmid:36081671 pmc:PMC9448541 doi:10.1155/2022/2813938	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
103	pubmed:36081760	Inadvertent Transfer of Murine VL30 Retrotransposons to CAR-T Cells	Sung Hyun Lee Yajing Hao Tong Gui Gianpietro Dotti Barbara Savoldo Fei Zou Tal Kafri	For more than a decade, genetically engineered autologous T-cells have been successfully employed as immunotherapy drugs for patients with incurable blood cancers. The active components in some of these game-changing medicines are autologous T-cells that express viral vector-delivered chimeric antigen receptors (CARs), which specifically target proteins that are preferentially expressed on cancer cells. Some of these therapeutic CAR expressing T-cells (CAR-Ts) are engineered via transduction...	pmid:36081760 pmc:PMC9450689 doi:10.1155/2022/6435077	Fri, 09 Sep 2022 06:00:00 -0400
104	pubmed:36081783	The prophylactic effects of monoclonal antibodies targeting the cell wall Pmt4 protein epitopes of <i>Candida albicans</i> in a murine model of invasive candidiasis	Xiaojuan Wang Peng Liu Yuanying Jiang Bing Han Lan Yan	<i>Candida albicans</i> (C. albicans) is the most prevalent opportunistic human pathogen, accounting for approximately half of all clinical cases of candidemia. Resistance to the existing antifungal drugs is a major challenge in clinical therapy, necessitating the development and identification of novel therapeutic agents and potential treatment strategies. Monoclonal antibody-based immunotherapy represents a promising therapeutic strategy against disseminated candidiasis. Protein mannosyltransferase...	pmid:36081783 pmc:PMC9446456 doi:10.3389/fmich.2022.992275	Fri, 09 Sep 2022 06:00:00 -0400
105	pubmed:36081797	Apolipoprotein E mimetic peptide COG1410 combats pandrug-resistant <i>Acinetobacter baumannii</i>	Bo Wang Feng-Wan Zhang Wei-Xiao Wang Yan-Yan Zhao Su-Yue Sun Jin-Hong Yu Michael P Vitek George F Li Rui Ma Shiwei Wang Zhiliang Hu Wei Chen	The emergence of pandrug-resistant bacteria breaks through the last line of defense and raises fear among people of incurable infections. In the post-antibiotic era, the pharmaceutical field turns to seek non-conventional anti-infective agents. Antimicrobial peptides are considered a prospective solution to the crisis of antimicrobial resistance. In this study, we evaluated the antimicrobial efficiency of an ApoE mimetic peptide, COG1410, which has been confirmed to exhibit strong neural...	pmid:36081797 pmc:PMC9445589 doi:10.3389/fmich.2022.934765	Fri, 09 Sep 2022 06:00:00 -0400
106	pubmed:36081847	TRPM4 and TRPV2 are two novel prognostic biomarkers and promising targeted therapy in UVM	Jiong Wang Sen Qiao Shenzhi Liang Cheng Qian Yi Dong Minghang Pei Hongmei Wang Guangming Wan	Uveal melanoma (UVM) is the most common primary intraocular malignancy tumor in adults. Almost 50% of UVM patients develop metastatic disease, and is usually fatal within 1 year. However, the mechanism of etiology remains unclear. The lack of prognostic, diagnostic and therapeutic biomarkers is a main limitation for clinical diagnosis and treatment. The transient receptor potential (TRP) channels play important roles in the occurrence and development of tumors, which may have the potential as a...	pmid:36081847 pmc:PMC9445434 doi:10.3389/fmolb.2022.985434	Fri, 09 Sep 2022 06:00:00 -0400
107	pubmed:36081873	Case report: Sodium and chloride muscle channelopathy coexistence: A complicated phenotype and a challenging diagnosis	Serena Pagliarani Giovanni Meola Melania Filareti Giacomo Pietro Comi Sabrina Lucchiari	Non-dystrophic myotonias (NDM) encompass chloride and sodium channelopathy. Mutations in CLCN1 lead to either the autosomal dominant form or the recessive form of myotonia congenita (MC). The main symptom is stiffness worsening after rest and improving by physical exercise. Patients with recessive mutations often show muscle hypertrophy, and transient weakness mostly in their lower limbs. Mutations in SCN4A can lead to Hyper-, Hypo- or Normo-kalemic Periodic Paralysis or to different forms of...	pmid:36081873 pmc:PMC9447429 doi:10.3389/fneur.2022.845383	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
108	pubmed:36081886	Racial and Treatment Center Differences on Time to Treatment Initiation for Nonsmall Cell Lung Cancer Patients Receiving Radiation Therapy As an Initial Treatment	Akhil Rekulapelli Raj P Desai Aditya Narayan Linda W Martin Richard Hall James M Lerner Rajesh Balkrishnan	CONCLUSIONS: These findings shed light on the potential presence of and impact of structural racism on patients seeking cancer treatment, and the need for further investigation behind the reasonings behind longer TTI for non-White patients. To elucidate the real-world applicability of these results, further investigation into the societal determinants that perpetuate disparity in time to radiation therapy, and potential interventions in the clinical setting to improve cultural and racial...	pmid:36081886 pmc:PMC9448516 doi:10.1089/heq.2022.0104	Fri, 09 Sep 2022 06:00:00 -0400
109	pubmed:36081952	Renovation as innovation: Repurposing human antibacterial peptide LL-37 for cancer therapy	Fatai Lu Yingkang Zhu Guodong Zhang Zunpeng Liu	In many organisms, antimicrobial peptides (AMPs) display wide activities in innate host defense against microbial pathogens. Mammalian AMPs include the cathelicidin and defensin families. LL37 is the only one member of the cathelicidin family of host defense peptides expressed in humans. Since its discovery, it has become clear that they have pleiotropic effects. In addition to its antibacterial properties, many studies have shown that LL37 is also involved in a wide variety of biological...	pmid:36081952 pmc:PMC9445486 doi:10.3389/fphar.2022.944147	Fri, 09 Sep 2022 06:00:00 -0400
110	pubmed:36081986	Identification of Four Biomarkers of Human Skin Aging by Comprehensive Single Cell Transcriptome, Transcriptome, and Proteomics	Rui Mao Yunying Wang Fan Wang Lei Zhou Sha Yan Shanshan Lu Wei Shi Yiya Zhang	Background: Aging is characterized by the gradual loss of physiological integrity, resulting in impaired function and easier death. This deterioration is a major risk factor for major human pathological diseases, including cancer, diabetes, cardiovascular disease and neurodegenerative diseases. It is very important to find biomarkers that can prevent aging. Methods: Q-Exactive-MS was used for proteomic detection of young and senescence fibroblast. The key senescence-related molecules (SRMs) were...	pmid:36081986 pmc:PMC9445490 doi:10.3389/fgene.2022.881051	Fri, 09 Sep 2022 06:00:00 -0400
111	pubmed:36081997	Differential expression of HAVCR2 gene in pan-cancer: A potential biomarker for survival and immunotherapy	Hetong Li Dinglong Yang Min Hao Hongqi Liu	T-cell immunoglobulin mucin 3 (TIM-3) has emerged as a promising immune checkpoint target in cancer therapy. However, the profile of the hepatitis A virus cellular receptor 2 (HAVCR2) gene, encoding TIM-3 expression, is still obscure, along with its role in cancer immunity and prognosis. This study comprehensively analyzed HAVCR2 expression patterns in pan-cancer and underlined its potential value for immune checkpoint inhibitor-based immunotherapy. Our results displayed that HAVCR2 was...	pmid:36081997 pmc:PMC9445440 doi:10.3389/fgene.2022.972664	Fri, 09 Sep 2022 06:00:00 -0400
112	pubmed:36081998	Comprehensive analysis of nine m7G-related lncRNAs as prognosis factors in tumor immune microenvironment of hepatocellular carcinoma and experimental validation	Tao Wang Zhijia Zhou Xuan Wang Liping You Wenxuan Li Chao Zheng Jinghao Zhang Lingtai Wang Xiaoni Kong Yueqiu Gao Xuehua Sun	Background: Hepatocellular carcinoma (HCC) remains the most prevalent gastrointestinal malignancy worldwide, with robust drug resistance to therapy. N7-methylguanosine (m7G) mRNA modification has been significantly related to massive human diseases. Considering the effect of m7G-modified long non-coding RNAs (lncRNAs) in HCC progression is unknown, the study aims at investigating a prognostic signature to improve clinical outcomes for patients with HCC. Methods: Two independent databases (TCGA...	pmid:36081998 pmc:PMC9445240 doi:10.3389/fgene.2022.929035	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
113	pubmed:36082126	Non-coding RNAs in cancer therapy-induced cardiotoxicity: Mechanisms, biomarkers, and treatments	Wanli Sun Juping Xu Li Wang Yuchen Jiang Jingrun Cui Xin Su Fan Yang Li Tian Zeyu Si Yanwei Xing	As a result of ongoing breakthroughs in cancer therapy, cancer patients' survival rates have grown considerably. However, cardiotoxicity has emerged as the most dangerous toxic side effect of cancer treatment, negatively impacting cancer patients' prognosis. In recent years, the link between non-coding RNAs (ncRNAs) and cancer therapy-induced cardiotoxicity has received much attention and investigation. NcRNAs are non-protein-coding RNAs that impact gene expression post-transcriptionally. They...	pmid:36082126 pmc:PMC9445363 doi:10.3389/fcvm.2022.946137	Fri, 09 Sep 2022 06:00:00 -0400
114	pubmed:36082129	CDK9 binds and activates SGK3 to promote cardiac repair after injury via the GSK-3/-catenin pathway	Jiateng Sun Tongtong Yang Tianwen Wei Liuhua Zhou Tiankai Shan Jiawen Chen Lingfeng Gu Bingrui Chen Liu Liu Qiqi Jiang Chong Du Yao Ma Hao Wang Feng Chen Xuejiang Guo Yong Ji Liansheng Wang	The mammalian heart possesses entire regeneration capacity after birth, which is lost in adulthood. The role of the kinase network in myocardial regeneration remains largely elusive. SGK3 (threonine-protein kinase 3) is a functional kinase we identified previously with the capacity to promote cardiomyocyte proliferation and cardiac repair after myocardial infarction. However, the upstream signals regulating SGK3 are still unknown. Based on the quantitative phosphoproteomics data and pulldown...	pmid:36082129 pmc:PMC9445272 doi:10.3389/fcvm.2022.970745	Fri, 09 Sep 2022 06:00:00 -0400
115	pubmed:36082164	Human mesenchymal stromal cells release functional mitochondria in extracellular vesicles	Matthew A Thomas Megan J Fahey Brenna R Pugliese Rebecca M Irwin Marc A Antonyak Michelle L Delco	Cartilage and other skeletal soft tissues heal poorly after injury, in part due to their lack of vascularity and low metabolic rate. No pharmacologic approaches have proven effective in preventing chronic degenerative disease after joint injury. Mesenchymal stromal cells (MSCs) have been investigated for their ability to treat pain associated with osteoarthritis (OA) and preserve articular cartilage. Limitations of MSCs include variability in cell phenotype, low engraftment and retention rates,...	pmid:36082164 pmc:PMC9446449 doi:10.3389/fbioe.2022.870193	Fri, 09 Sep 2022 06:00:00 -0400
116	pubmed:36082169	Aerobic exercise-induced circulating extracellular vesicle combined decellularized dermal matrix hydrogel facilitates diabetic wound healing by promoting angiogenesis	Haifeng Liu Bing Wu Xin Shi Yanpeng Cao Xin Zhao Daqiang Liang Qihuang Qin Xinzhi Liang Wei Lu Daping Wang Jun Liu	Background: Insufficient blood supply results in unsatisfactory wound healing, especially for challenging wound repair such as diabetic wound defects. Regular exercise training brings a lot of benefits to cardiovascular fitness and metabolic health including attenuation of T2DM progression. Circulating extracellular vesicles (EVs) are postulated to carry a variety of signals involved in tissue crosstalk by their modified cargoes, representing novel mechanisms for the effects of exercise....	pmid:36082169 pmc:PMC9445842 doi:10.3389/fbioe.2022.903779	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
117	pubmed:36082179	Caffeic Acid Phenethyl Ester Inhibits Basal Lipolysis by Activating PPAR-Gamma and Increasing Lipid Droplet-Associated Perilipin in Mature Rat Adipocytes	Nguyen Thi Thu Trang Wan-Chun Chiu Yu-Ting Feng Shu-Lin Hsieh Do Dinh Tung Jungshan Chang Tsorng-Harn Fong	Abnormal lipolysis is correlated with metabolic syndrome. Caffeic acid phenethyl ester (CAPE), a natural product from honeybee hives, has been reported to improve metabolic syndrome. However, the effects of CAPE on lipolysis and perilipin-1 (the major lipid droplet-associated protein) in mature adipocytes were not clarified. In this study, mature adipocytes were isolated from the epididymal fat pads of male rats and incubated with CAPE to estimate lipolysis by measuring glycerol release. It was...	pmid:36082179 pmc:PMC9448551 doi:10.1155/2022/6007233	Fri, 09 Sep 2022 06:00:00 -0400
118	pubmed:36082280	A Real-World Analysis of Immune Checkpoint Inhibitor-Based Therapy After Osimertinib Treatment in Patients With EGFR-Mutant NSCLC	Kenji Morimoto Ryo Sawada Tadaaki Yamada Koichi Azuma Kentaro Ito Yasuhiro Goto Hideharu Kimura Taishi Harada Shinsuke Shiotsu Nobuyo Tamiya Yusuke Chihara Takayuki Takeda Osamu Hiranuma Isao Hasegawa Yoshie Morimoto Masahiro Iwasaku Shinsaku Tokuda Koichi Takayama	CONCLUSIONS: The PFS of osimertinib might be a predictor of PFS of chemoimmunotherapy in patients with EGFR-mutant NSCLC. Further clinical investigations on the predictors of efficacy of administering ICIs after osimertinib treatment are required.	pmid:36082280 pmc:PMC9445370 doi:10.1016/j.jtocr.2022.100388	Fri, 09 Sep 2022 06:00:00 -0400
119	pubmed:36082373	An Atypical Presentation of Pyridoxine-Dependent Epilepsy Diagnosed with Whole Exome Sequencing and Treated with Lysine Restriction and Supplementation with Arginine and Pyridoxine	Jiyoung Kim Angela Pipitone Dempsey Sun Young Kim Meral Gunay-Aygun Hilary J Vernon	Pyridoxine dependent-developmental and epileptic encephalopathy (PD-DEE) or pyridoxine-dependent epilepsy (PDE) is a rare autosomal recessive disorder caused by biallelic pathogenic variants in ALDH7A1. It classically presents as intractable infantile-onset seizures unresponsive to multiple antiepileptic drugs (AEDs) but with a profound response to large doses of pyridoxine (B6). We report a case of PDE with an atypical clinical presentation. The patient presented at 3 days of life with...	pmid:36082373 pmc:PMC9448604 doi:10.1155/2022/7138435	Fri, 09 Sep 2022 06:00:00 -0400
120	pubmed:36082406	SPRY4 promotes adipogenic differentiation of human mesenchymal stem cells through the MEK-ERK1/2 signaling pathway	Na Li Yunfei Chen Haiyan Wang Jing Li Robert Chunhua Zhao	Obesity is a chronic metabolic disorder characterized by the accumulation of excess fat in the body. Preventing and controlling obesity by inhibiting the adipogenic differentiation of mesenchymal stem cells (MSCs) and thereby avoiding the increase of white adipose tissue is safe and effective. Recent studies have demonstrated that Sprouty proteins (SPRYs) are involved in cell differentiation and related diseases. However, the role and mechanism of SPRY4 in MSC adipogenic differentiation remain...	pmid:36082406 doi:10.1080/21623945.2022.2123097	Fri, 09 Sep 2022 06:00:00 -0400
121	pubmed:36082431	Mutant PfCRT Can Mediate Piperaquine Resistance in African Plasmodium falciparum With Reduced Fitness and Increased Susceptibility to Other Antimalarials	Kathryn J Wicht Jennifer L Small-Saunders Laura M Hagenah Sachel Mok David A Fidock	CONCLUSIONS: A single PfCRT mutation can mediate PPQ resistance in GB4 parasites, but with a growth defect that may preclude its spread without further genetic adaptations. Our findings support regional use of drug combinations that exert opposing selective pressures on PfCRT.	pmid:36082431 doi:10.1093/infdis/jiac365	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
122	pubmed:36082445	A pleiotropic variant in DNAJB4 is associated with multiple myeloma risk	Marco Dicanio Matteo Giaccherini Alyssa Clay-Gilmour Angelica Macaуда Juan Sainz Mitchell J Machiela Malwina Rybicka-Ramos Aaron D Norman Agata Tyczyska Stephen J Chanock Torben Barington Shaji K Kumar Parveen Bhatti Wendy Cozen Elizabeth E Brown Anna Suska Eva K Haastrup Robert Z Orlowski Marek Dudziski Ramon Garcia-Sanz Marcin Kruszewski Joaquin Martinez-Lopez Katia Beider Elbieta Iskierka-Jazdzewska Matteo Pelosini Sonja I Berndt Magorzata Rany Krzysztof Jamrozak S Vincent Rajkumar Artur Jurczynszyn Annette Juul Vangsted Pilar Garrido Collado Ulla Vogel Jonathan N Hofmann Mario Petrini Aleksandra Butrym Susan L Slager Elad Ziv Edyta Subocz Graham G Giles Niels Frost Andersen Grzegorz Mazur Marzena Watek Fabienne Lesueur Michelle A T Hildebrandt Daria Zawirska Lene Hyldahl Ebbesen Herlander Marques Federica Gemignani Charles Dumontet Judit Várkonyi Gabriele Buda Arnon Nagler Agnieszka Druzdz-Sitek Xifeng Wu Katalin Kadar Nicola J Camp Norbert Grzasko Rosalie G Waller Celine Vachon Federico Canzian Daniele Campa	Pleiotropy, which consists of a single gene or allelic variant affecting multiple unrelated traits, is common across cancers, with evidence for genome-wide significant loci shared across cancer and non-cancer traits. This feature is particularly relevant in multiple myeloma (MM) because several susceptibility loci that have been identified to date are pleiotropic. Therefore, the aim of this study was to identify novel pleiotropic variants involved in MM risk using 28,684 independent single...	pmid:36082445 doi:10.1002/ijc.34278	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
123	pubmed:36082450	SIRT2 promotes cell proliferation and migration through mediating ERK1/2 activation and lactosylceramide accumulation in prostate cancer	Rui Lin Yiping Yang Eran Wu Menghan Zhou Shan Wang Qingyun Zhang	CONCLUSIONS: Our data suggested that SIRT2 is overexpressed in CRPC and NEPC and could promote cell growth and migration through activating ERK1/2 pathway and inducing lactosylceramide production, indicating that SIRT2 has the potential to be a new target for the treatment of PCa.	pmid:36082450 doi:10.1002/pros.24437	Fri, 09 Sep 2022 06:00:00 -0400
124	pubmed:36082452	CD25: a potential tumor therapeutic target	Yujia Peng Yiran Tao Ya Zhang Jiaxing Wang Jinliang Yang Yuxi Wang	CD25 is the alpha-chain of the heterotrimer IL-2 receptor. CD25 is expressed on the surface of both immune and non-immune cells with different frequencies. For cancers, CD25 is expressed at high levels in many types of hematological malignancies, but at low levels in most solid tumors. CD25 is also highly expressed in activated circulating immune cells and regulatory T cells (Tregs). Infiltration of Tregs in the tumor microenvironment can lead to an imbalanced ratio of effector T cells (Teffs)...	pmid:36082452 doi:10.1002/ijc.34281	Fri, 09 Sep 2022 06:00:00 -0400
125	pubmed:36082464	LAMTOR3 is a prognostic biomarker in kidney renal clear cell carcinoma	Yun Gong Yue Lv Fanghua Xu Youcheng Xiu Yinhui Lu Zan Liu Leihong Deng	CONCLUSION: LAMTOR3 expression is significantly lower in KIRC. LAMTOR3 may be a potential marker for KIRC diagnosis and therapy.	pmid:36082464 doi:10.1002/jcla.24648	Fri, 09 Sep 2022 06:00:00 -0400
126	pubmed:36082491	A phase II study of antiangiogenic therapy (Apatinib) plus chemotherapy as second-line treatment in advanced small cell lung cancer	Yinghui Xu Xu Wang Chao Sun Zhiru Gao Hua He Shi Qiu Ye Guo Xiaohui Ma Junya Song Kewei Ma	CONCLUSION: Antiangiogenic therapy plus chemotherapy had encouraging efficacy in advanced SCLC patients, which provides an insight into the current status of second-line therapy in SCLC.	pmid:36082491 doi:10.1002/cam4.5217	Fri, 09 Sep 2022 06:00:00 -0400
127	pubmed:36082520	Early cost-utility analysis of genetically-guided therapy for patients with drug-resistant epilepsy	Louisa G Gordon Thomas M Elliott Carmen Bennett Georgina Hollway Nicola Waddell Lata Vadlamudi	OBJECTIVE: Existing gene panels were developed to understand the aetiology of epilepsy and while important, further benefits will arise from an effective pharmacogenomics panel for personalising therapy and achieving seizure control. Our study assessed the cost-effectiveness of a pharmacogenomics panel for patients with drug-resistant epilepsy, compared with usual care.	pmid:36082520 doi:10.1111/epi.17408	Fri, 09 Sep 2022 06:00:00 -0400
128	pubmed:36082558	Biomaterials-based nanoparticles conjugated to regulatory T cells provide a modular system for localized delivery of pharmacotherapeutic agents	Gregory P Marshall Judit Cserny Chun-Wei Wang Benjamin Looney Amanda L Posgai Rhonda Bacher Benjamin Keselowsky Todd M Brusko	Type 1 diabetes (T1D) presents with two therapeutic challenges: the need to correct underlying autoimmunity and restore -cell mass. We harnessed the unique capacity of regulatory T cells (Tregs) and the T cell receptor (TCR) to direct tolerance induction along with tissue-localized delivery of therapeutic agents to restore endogenous -cell function. Specifically, we designed a combinatorial therapy involving biomaterials-based poly(lactic-co-glycolic acid) nanoparticles co-loaded with the Treg...	pmid:36082558 doi:10.1002/jbm.a.37442	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
129	pubmed:36082582	Dual-Cascade Responsive Nanoparticles Enhance Pancreatic Cancer Therapy by Eliminating Tumor-Resident Intracellular Bacteria	Xiaoxu Kang Fanqiang Bu Wenli Feng Fang Liu Xuankun Yang Haofei Li Yingjie Yu Guofeng Li Haihua Xiao Xing Wang	The limited drug penetration and robust bacteria-mediated drug inactivation in pancreatic cancer result in the failure of chemotherapy. To fight against these issues, a dual-cascade responsive nanoparticle (sNP@G/IR) that can sequentially trigger deep penetration, killing of intratumor bacteria, and controlled release of chemo-drug, is reported. sNP@G/IR consists of a hyaluronic acid (HA) shell and glutathione (GSH) responsive polymer-core (NP@G/IR) that encapsulates gemcitabine (Gem) and...	pmid:36082582 doi:10.1002/adma.202206765	Fri, 09 Sep 2022 06:00:00 -0400
130	pubmed:36082601	Cystic fibrosis - A look at Belgium in 2022	P Lebecque O Bauraind M Thimmesch	Cystic fibrosis care is expensive. In Belgium, its financial support is not provided by powerful charities but by the national health system, which also sponsors the Belgian Cystic Fibrosis Registry. Recent data allow to better evaluate the quality of care for patients with cystic fibrosis in our country. Overall, it is high but varies from one centre to another. Similarly, use of the main symptomatic treatments is heterogeneous. Access to lung transplantation is one of the fluidest in the...	pmid:36082601	Fri, 09 Sep 2022 06:00:00 -0400
131	pubmed:36082608	Selumetinib for Refractory Pulmonary and Gastrointestinal Bleeding in Noonan Syndrome	Abhishek Chakraborty Gary Beasley Hugo Martinez Rohith Jesudas Pilar Anton-Martin Georgios Christakopoulos Jennifer Kramer	A 15-year-old-boy with Noonan syndrome and status post orthoptic heart transplant developed mixed mitral valve disease and underwent mechanical mitral valve replacement 6 months before presentation with acute respiratory distress. He developed massive pulmonary hemorrhage that required veno-venous extracorporeal membrane oxygenation (ECMO) support. He had a prolonged anticoagulation free ECMO course of 4 weeks, with ongoing recurrent pulmonary hemorrhage and underwent several rounds of coil...	pmid:36082608 doi:10.1542/peds.2022-056336	Fri, 09 Sep 2022 06:00:00 -0400
132	pubmed:36082616	First-in-human study of ONO-4578, an antagonist of prostaglandin E₂ receptor 4, alone and with nivolumab in solid tumors	Satoru Iwasa Takafumi Koyama Makoto Nishino Shunsuke Kondo Kazuki Sudo Kan Yonemori Tatsuya Yoshida Kenji Tamura Toshio Shimizu Yutaka Fujiwara Shigehisa Kitano Akihiko Shimomura Jun Sato Fumiharu Yokoyama Hiroyuki Iida Maki Kondo Noboru Yamamoto	EP4, a prostaglandin E(2) receptor, has shown an immunosuppressive activity on cancer cells. This first-in-human study evaluated ONO-4578, a highly selective EP4 antagonist, monotherapy and in combination with nivolumab in patients with advanced or metastatic solid tumors. A daily dose ranging from 30 to 100 mg of ONO-4578 monotherapy and that ranging from 2 to 60 mg of ONO-4578 with biweekly nivolumab 240 mg were administered. A total of 31 patients were enrolled; 10 receiving monotherapy and...	pmid:36082616 doi:10.1111/cas.15574	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
133	pubmed:36082628	Immunoglobulin-like transcript 2 (ILT2) blockade restores antitumor immune responses in glioblastoma	Seila Lorenzo-Herrero Christian Sordo-Bahamonde Alejandra Martínez-Pérez Mª Daniela Corte-Torres Iván Fernández-Vega Mª Pilar Solís-Hernández Segundo Gonzalez	Glioblastoma stands as the most frequent primary brain tumor. Despite the multimodal therapy for glioblastoma patients, the survival rate is very low, pointing out the need for novel therapies that improve patient outcome. Immune checkpoint blockade strategies are achieving promising results in a myriad of tumors and several studies have reported its efficacy in glioblastoma at a preclinical level. ILT2 is a novel immune checkpoint that exerts an inhibitory effect via the interaction with...	pmid:36082628 doi:10.1111/cas.15575	Fri, 09 Sep 2022 06:00:00 -0400
134	pubmed:36082649	A rare case of hypomyelinating leukodystrophy-14 benefiting from ketogenic diet therapy	Aycan Ünalp Melis Köse Pakize Karaolu Yiithan Güzin Ünsal Yılmaz	CONCLUSIONS: Ketogenic diet therapy may be beneficial for seizure control in HLD14 patients with drug-resistant seizures.	pmid:36082649 doi:10.24953/turkjpmed.2021.1662	Fri, 09 Sep 2022 06:00:00 -0400
135	pubmed:36082650	A pediatric bithalamic high grade glioma with concomitant H3K27M and EGFR mutations	Buket Kara Ayça Ersen Danyeli Mehmet Öztürk Kübra Ertan Yavuz Köksal	CONCLUSIONS: EGFR mutation along with H3.1 K27M mutation is extremely rare in children to our knowledge. It should be kept in mind that if there is a possibility of targeted therapy, there may be a treatment option in this malignant disease with a poor prognosis.	pmid:36082650 doi:10.24953/turkjpmed.2021.1140	Fri, 09 Sep 2022 06:00:00 -0400
136	pubmed:36082655	Optic neuritis in CD59 deficiency: an extremely rare presentation	Çaatay Günay Elvan Yardm Elif Yaar Ayse Semra Hz-Kurul Gamze Sarkaya Uzan Taylan Öztürk Aylin Yaman Uluç Yi	CONCLUSION: Although it is a rarely reported disease, better recognition of CD59 deficiency by pediatric neurologists is necessary because it is curable. In addition to different presentations reported, optic neuritis may also be a manifestation of CD59 deficiency.	pmid:36082655 doi:10.24953/turkjpmed.2021.1405	Fri, 09 Sep 2022 06:00:00 -0400
137	pubmed:36082669	Determining the Relationship Between Blood Pressure, Kidney Function, and Chronic Kidney Disease: Insights From Genetic Epidemiology	Natalie Staplin William G Herrington Federico Murgia Maysson Ibrahim Katherine R Bull Parminder Judge Sarah Y A Ng Michael Turner Doreen Zhu Jonathan Emberson Martin J Landray Colin Baigent Richard Haynes Jemma C Hopewell	CONCLUSIONS: In this general population, genetic epidemiological evidence supports a causal role of life-long differences in BP for decreased kidney function, glomerular hyperfiltration, and albuminuria. Physiological autoregulation may not afford complete renal protection against the moderate BP elevations.	pmid:36082669 doi:10.1161/HYPERTENSIONAHA.122.19354	Fri, 09 Sep 2022 06:00:00 -0400
138	pubmed:36082805	Mechanisms of Cerebral Vasospasm and Cerebral Ischemia in Subarachnoid Hemorrhage	D Viderman K Tapinova Y G Abdildin	Subarachnoid hemorrhage (SAH) is a cerebrovascular emergency associated with significant morbidity and mortality. SAH is characterized by heterogeneity, inter-individual variation, and complexity of pathophysiological responses following extravasation of blood from cerebral circulation. The purpose of this review is to integrate previously established pre-existing factors, pathophysiological pathways and to develop a concept map of mechanisms of SAH-induced cerebral vasospasm and delayed...	pmid:36082805 doi:10.1111/cpf.12787	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
139	pubmed:36082810	Ovarian tumor deubiquitinase 6A regulates cell proliferation via deubiquitination of nucleolin and caspase7	So-Hee Kim Kwang-Hyun Baek	Most proteins maintain protein homeostasis via posttranslational modifications, including the ubiquitinproteasome system. Deubiquitinating enzymes (DUBs) have essential intercellular roles, such as responses to DNA damage, proteolysis and apoptosis. Therefore, it is important to understand DUBrelated diseases to identify DUBs that target abnormally regulated proteins in cells. Ovarian tumor deubiquitinase 6A (OTUD6A) was previously reported as a downregulated DUB in HCT116 cells with p53...	pmid:36082810 doi:10.3892/ijo.2022.5417	Fri, 09 Sep 2022 06:00:00 -0400
140	pubmed:36082812	Retrospective analysis of independent predictors of progression-free survival in patients with EGFR mutation-positive advanced non-small cell lung cancer receiving first-line osimertinib	Shuhei Teranishi Chihiro Sugimoto Satoshi Nagaoka Hirokazu Nagayama Wataru Segawa Atsushi Miyasaka Shuntaro Hiro Yukihito Kajita Chihiro Maeda Nobuaki Kobayashi Masaki Yamamoto Makoto Kudo Takeshi Kaneko	CONCLUSION: Poor PS was associated with poor prognosis in patients with EGFR mutation-positive advanced NSCLC treated with osimertinib as first-line therapy.	pmid:36082812 doi:10.1111/1759-7714.14608	Fri, 09 Sep 2022 06:00:00 -0400
141	pubmed:36082824	Epidemiology and treatment outcomes of cutaneous squamous cell carcinoma extending to the temporal bone	Michael J C Schachtel Mitesh Gandhi James J Bowman Sandro V Porceddu Benedict J Panizza	CONCLUSION: In regions of high sun exposure, cSCCs extending to the temporal bone are more common than primary cancers. Outcomes are improved with clear margins, justifying the need for radical resection. Further research regarding pre-auricular cancers is required given poorer associated survival outcomes.	pmid:36082824 doi:10.1002/hed.27185	Fri, 09 Sep 2022 06:00:00 -0400
142	pubmed:36082854	Leprosy reactions: clinical Pharmacologist perspective with repurposed medications	Pugazhenthana Thangaraju Aravind Kumar B Hemasri Velmurugan Sajitha Venkatesan None SreeSudha Ty	The elimination of leprosy has been possible with the available anti-leprotic drugs. However, the lepra reactions usually occur months or years after multi-drug therapy completion, and continue to be a formidable challenge mainly owing to its role in causing nerve damage and disability. Corticosteroids are commonly used but they lead to systemic complications, and hence require dose reduction and adjunct therapy with a different target. Various drugs with different targets have been identified...	pmid:36082854 doi:10.2174/1871526522666220907125114	Fri, 09 Sep 2022 06:00:00 -0400
143	pubmed:36082856	Anticancer Properties of Kaempferol on Cellular Signaling Pathways	Bidisha Sengupta Pragnya Biswas Debarshi Roy Justin Lovett Laken Simington Darrell R Fry Kaelin Travis	Polyhydroxy compounds are secondary metabolites that are ubiquitous in plants of higher genera. They possess therapeutic properties against a wide spectrum of diseases, including cancers, neurodegenerative disorders, atherosclerosis, as well as cardiovascular disease. The phytochemical flavonol (a type of flavonoid) kaempferol (KMP) (3,5,7-trihydroxy-2-(4-hydroxyphenyl)- 4Hchromen-4-one) is abundant in cruciferous vegetables, including broccoli, kale, spinach, and watercress, as well as in herbs...	pmid:36082856 doi:10.2174/1568026622666220907112822	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
144	pubmed:36082862	Multitargeting Strategy Using Tetrathiomolybdate and Lenvatinib: Maximizing Anti-angiogenesis Activity in a Preclinical Liver Cancer Model	L I Nan Wan Yuan Chen Guodong Huang Yonghui	CONCLUSION: The study showed a significant positive correlation between tumor load and copper. Copper promotes tumor progression, but copper chelating suppresses tumor growth. The combination of TM with lenvatinib reduces tumor angiogenesis and improves the effect of antitumor treatment. These findings underlie the clinical application of combination therapy.	pmid:36082862 doi:10.2174/1871520622666220907115027	Fri, 09 Sep 2022 06:00:00 -0400
145	pubmed:36082890	Genetic, Epigenetic, and Molecular Biology of Obesity: From Pathology to Therapeutics the Way Forward	Suranjana Banik Mainak Bardhan Suranjana Basak	Obesity is a globally expanding silent epidemic having multiple risk factors and consequences associated with it. Genetic factors have been found to be playing undeniable roles in obesity. Intermingled relationship between epigenetics, metagenomics, and the environment influences obesity traits. High precision diagnostic tools have outlined many single nucleotide polymorphisms (SNPs), as well as many novel genes, that have been identified that create an obesogenic environment. Rare single-gene...	pmid:36082890 doi:10.5005/japi-11001-0080	Fri, 09 Sep 2022 06:00:00 -0400
146	pubmed:36082904	Comprehensive Landscape of Cyclin Pathway Gene Alterations and Co-occurrence with FGF/FGFR Aberrations Across Urinary Tract Tumors	Denis L F Jardim Sherri Z Millis Jeffrey S Ross Scott Lippman Siraj M Ali Razelle Kurzrock	CONCLUSIONS: Cyclin pathway activating alterations are common in urinary tract tumors, but frequency varies with histology and tumors sites. Co-occurrence of cyclin and FGFR pathway alterations may inform therapeutic opportunities.	pmid:36082904 doi:10.1093/oncolo/oyac180	Fri, 09 Sep 2022 06:00:00 -0400
147	pubmed:36082942	Elucidating the role of PRMTs in prostate cancer using open access databases and a patient cohort dataset	Ioanna Maria Grypari Ioanna Pappa Thomas Papastergiou Vasiliki Zolota Vasiliki Bravou Maria Melachrinou Vasileios Megalooikonomou Vasiliki Tzelepi	Protein arginine methylation is an understudied epigenetic mechanism catalyzed by enzymes known as Protein Methyltransferases of Arginine (PRMTs), while the opposite reaction is performed by Jumonji domain- containing protein 6 (JMJD6). There is increasing evidence that PRMTs are deregulated in prostate cancer (PCa). In this study, the expression of two PRMT members, PRMT2 and PRMT7 as well as JMJD6, a demethylase, was analyzed in PCa. Initially, we retrieved data from The Cancer Genome Atlas...	pmid:36082942 doi:10.14670/HH-18-513	Fri, 09 Sep 2022 06:00:00 -0400
148	pubmed:36082964	Programmable Assembly of Multivalent DNA-Protein Superstructures for Tumor Imaging and Targeted Therapy	Zhen Xu Tianhui Shi Fengye Mo Wenqian Yu Yu Shen Qunying Jiang Fuan Wang Xiaoqing Liu	Programmable DNA materials hold great potential in biochemical and biomedical researches, yet the complicated synthesis, and the low stability and targeting efficacy in complex biological milieu limit their clinical translations. Here we show a one-pot assembly of DNA-protein superstructures as drug vehicles with specifically high affinity and stability for targeted therapy. This is achieved by biomimetic assembly of programmable polymer DNA wire into densely packed DNA nanosphere with an...	pmid:36082964 doi:10.1002/anie.202211505	Fri, 09 Sep 2022 06:00:00 -0400
149	pubmed:36082966	Trends in utilization of first-line palliative treatments for anal squamous cell carcinoma	Srinidhi J Radhakrishnan Suleyman Y Goksu Saikripa M Radhakrishnan Muhammad S Beg Nina N Sanford Syed M Kazmi	CONCLUSIONS: First-line use of palliative treatments to control symptoms is needed in a small proportion of anal squamous cell cancer patients. It was utilized in all stages, but it was most frequently observed in patients with stage IV disease and patients with	pmid:36082966 doi:10.1002/cam4.5126	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
150	pubmed:36082969	Overall Survival With Maintenance Olaparib at a 7-Year Follow-Up in Patients With Newly Diagnosed Advanced Ovarian Cancer and a BRCA Mutation: The SOLO1/GOG 3004 Trial	Paul DiSilvestro Susana Banerjee Nicoletta Colombo Giovanni Scambia Byoung-Gie Kim Ana Oaknin Michael Friedlander Alla Lisyanskaya Anne Floquet Alexandra Leary Gabe S Sonke Charlie Gourley Amit Oza Antonio González-Martín Carol Aghajanian William Bradley Cara Mathews Joyce Liu John McNamara Elizabeth S Lowe Mei-Lin Ah-See Kathleen N Moore SOLO1 Investigators	CONCLUSION: Results indicate a clinically meaningful, albeit not statistically significant according to prespecified criteria, improvement in OS with maintenance olaparib in patients with newly diagnosed advanced ovarian cancer and a BRCA mutation and support the use of maintenance olaparib to achieve long-term remission in this setting; the potential for cure may also be enhanced. No new safety signals were observed during long-term follow-up.	pmid:36082969 doi:10.1200/JCO.22.01549	Fri, 09 Sep 2022 06:00:00 -0400
151	pubmed:36082993	Liver Gene Therapy	Amit C Nathwani Jennifer McIntosh Rose Sheridan	Gene therapy is an exciting therapeutic concept that offers the promise of a cure for an array of inherited and acquired disorders. The liver has always been a key target for gene therapy as it controls essential biological processes including digestion, metabolism, detoxification, immunity and blood coagulation. Metabolic disorders of hepatic origin number several hundreds, and for many, liver transplantation remains the only cure. Liver-targeted gene therapy is an attractive treatment modality...	pmid:36082993 doi:10.1089/hum.2022.169	Fri, 09 Sep 2022 06:00:00 -0400
152	pubmed:36082996	Cellular and structural characterisation of VP1 and VP2 knockout mutants of AAV3B serotype and implications for AAV manufacturing	Iker Arriaga Aitor Navarro Amaia Etxabe Cesar Trigueros R Jude Samulski Philippe Moullier Achille François Nicola Ga Ga Abrescia	AAV virion biology is still lacking with respect to complete understanding of the role the various structural subunits (VP1, 2, and 3) play in virus assembly, infectivity, and therapeutic delivery for clinical indications. In this study, we focus on the less studied AAV3B and generate a collection of AAV plasmid substrates that assemble virion particles deficient specifically in VP1, VP2 or VP1 and 2 structural subunits. Using a collection of biological and structural assays, we observed that...	pmid:36082996 doi:10.1089/hum.2022.119	Fri, 09 Sep 2022 06:00:00 -0400
153	pubmed:36083038	Targeted Therapy of Ischemic Stroke via Crossing the Blood-Brain Barrier Using Edaravone-Loaded Multiresponsive Microgels	Hongwei Lin Yi Zhang Shunni Dong Xiaobo Cai Hui Jiang Yang Fan Kaiyue Ying Binyang Du Peilin Yu Wei Yang	Ischemic stroke, as a prevalent neurological disorder, often results in rapid increases in the production of reactive oxygen species (ROS) and inflammatory factors in the focal ischemic area. Though edaravone is an approved treatment, its effect is limited due to its weak ability to cross the blood-brain barrier (BBB) and short half-life. Other effective pharmacological treatment options are clearly lacking. In this study, PNIVDBrF-3-Eda (also named MG-3-Eda) was prepared using a thermo- and pH...	pmid:36083038 doi:10.1021/acsabm.2c00325	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
154	pubmed:36083133	Thyroid Dysfunction in Non-Small Cell Lung Cancer With Immune Checkpoint Inhibitors: A Meta-Analysis	Lanlan Lin Fan Yang Guofu Lin Xiangqi Chen	Immune checkpoint inhibitors (ICIs) have been established as the cornerstone for advanced non-small cell lung cancer, while thyroid adverse events (AEs) associated with ICIs have not been systematically documented. Therefore, we performed a meta-analysis to evaluate the effect of ICI applications on the thyroid of patients with non-small cell lung cancer. We performed a systematic search of PubMed, the Cochrane Library, Web of Science, and Embase for eligible randomized controlled trials up to...	pmid:36083133 doi:10.1002/jcph.2150	Fri, 09 Sep 2022 06:00:00 -0400
155	pubmed:36083134	Personalizing immunotherapy for renal cell carcinoma: how far have we come?	Francesco Massari Veronica Mollica	No abstract	pmid:36083134 doi:10.1080/14712598.2022.2122809	Fri, 09 Sep 2022 06:00:00 -0400
156	pubmed:36083142	A prospective study of HIV-associated and hiv-negative kaposi sarcoma in Uganda: identifying factors associated with poor outcomes	Warren Phipps Scott V Adams Peter Mooka James Kafeero Semei Sekitene Dennis Mubiru Janet Nankoma Constance Namirembe Lazarus Okoche Elizabeth B Namubiru Shadiah Kayemba Kelsey K Baker Mary W Redman Corey Casper Jackson Orem Edus H Warren	CONCLUSIONS: Although survival rates were better for HIV-KS than HIV+KS, the high mortality rate seen in both groups underscores the urgent need to identify new staging and therapeutic approaches. Factors associated with mortality, including high plasma KSHV, may serve as important targets of therapy.	pmid:36083142 doi:10.1097/QAD.0000000000003376	Fri, 09 Sep 2022 06:00:00 -0400
157	pubmed:36083147	FGFR1 Antibody Validation and Characterization of FGFR1 Protein Expression in ER+ Breast Cancer	Paula I Gonzalez-Ericsson Alberto Servetto Luigi Formisano Violeta Sánchez Ingrid A Mayer Carlos L Arteaga Melinda E Sanders	Clinical trials in patients with ER+ breast cancer with or without FGFR pathway somatic alterations have shown limited clinical benefit from treatment with FGFR tyrosine kinase inhibitors alone or in combination with endocrine therapy. This is likely because of an inadequate predictive biomarker to select appropriate patients. In this study, we evaluated 4 anti-FGFR1 antibodies in breast cancer cell lines and patient-derived xenografts with FGFR1 amplification. We correlated D8E4 expression in...	pmid:36083147 doi:10.1097/PAI.0000000000001058	Fri, 09 Sep 2022 06:00:00 -0400
158	pubmed:36083236	Effects of dual-gene modification on biological characteristics of vascular endothelial cells and their significance as reserving cells for chronic wound repair	Lingli Guo Baohua Wei Feng Pan Hasi Wulan Mi Cai	bFGF is a commonly used and reliable factor for improving chronic wound healing, and hSulf-1 expression is abundant in surrounding cells of chronic wound tissue and vascular endothelial cells, which can reverse the effect of bFGF and inhibit the signalling activity of cell proliferation. In this study, an adenovirus, Ad5F35ET1-bFGF-shSulf1, was designed for establishing the dual-gene modified vascular endothelial cells, which were used as the repair cells for skin chronic wound....	pmid:36083236 doi:10.1080/08977194.2022.2118119	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
159	pubmed:36083312	Correction: Dexa-BEAM versus MIFAP as salvage regimen for recurrent lymphoma: a prospective randomized multicenter phase II trial with a median followup of 14.4 years	Sabine Kürzel André-René Blaudszun Lilly Stahl Regina Herbst Frank Kroschinsky Josef Birkmann Annette Hänel Kerstin Schaefer-Eckart Gerhard Ehninger Friedrich Fiedler Martin Bornhäuser Stephan Fricke Mathias Hänel	No abstract	pmid:36083312 doi:10.1007/s00432-022-04324-3	Fri, 09 Sep 2022 06:00:00 -0400
160	pubmed:36083313	A Phase I-II multicenter trial with Avelumab plus autologous dendritic cell vaccine in pre-treated mismatch repair-proficient (MSS) metastatic colorectal cancer patients; GEMCAD 1602 study	Marta Español-Rego Carlos Fernández-Martos Elena Elez Carles Foguet Leire Pedrosa Nuria Rodríguez Ana Ruiz-Casado Estela Pineda Joan Cid Raquel Cabezón Helena Oliveres Miquel Lozano Angels Ginés Angeles García-Criado Juan Ramon Ayuso Mario Pagés Miriam Cuatrecasas Ferràn Torres Timothy Thomson Marta Cascante Daniel Benítez-Ribas Joan Maurel	CONCLUSIONS: The combination of Avelumab plus ADC vaccine is safe and well tolerated but exhibited modest clinical activity. Our study describes, for the first-time, a de novo post-therapy metabolic rewiring, that could represent novel immunotherapy-induced tumor vulnerabilities.	pmid:36083313 doi:10.1007/s00262-022-03283-5	Fri, 09 Sep 2022 06:00:00 -0400
161	pubmed:36083488	Wenshen Jianpi recipe induced immune reconstruction and redistribution of natural killer cell subsets in immunological non-responders of human immunodeficiency virus/acquired immune deficiency syndrome: a randomized controlled trial	Tao Zhuang Wang Jian Chen Xin L I Yonghong Yan Yuguang Zhang Ao Zou Wen Liu Ying	CONCLUSIONS: WJR promotes the immune reconstruction of INRs and redistribution of NK cell subsets, notably decreasing CD56negCD16+ NK cell counts in INRs. However, the redistribution of NK cell subsets is not beneficial for immune reconstruction in INRs. Further large-scale RCTs are required to evaluate the effect of WJR on immune recovery in INRs and decipher the underlying mechanism.	pmid:36083488 doi:10.19852/j.cnki.jtcm.20220519.005	Fri, 09 Sep 2022 06:00:00 -0400
162	pubmed:36083511	EndMT-derived mesenchymal stem cells: a new therapeutic target to atherosclerosis treatment	Xiaofan Zhang Zhong Ren Zhisheng Jiang	Cardiovascular diseases, such as coronary artery disease and stroke, are the main threats to human health worldwide. Atherosclerosis, a chronic inflammatory disorder, plays a role as an initiator of all of the above-mentioned diseases. Cell therapy for diseases has attracted widespread attention. Mesenchymal stem cells (MSCs) are a type of stem cell that still exist in adults and have the characteristics of self-renewal ability, pluripotent differentiation potential, immunomodulation, tissue...	pmid:36083511 doi:10.1007/s11010-022-04544-8	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
163	pubmed:36083597	Exploration of whole genome and transcriptome sequencing data lacks evidence for oncogenic viral elements to drive the pathogenesis of T-cell prolymphocytic leukemia	Paurnima Patil Umut H Toprak Julian Seufert Till Braun Stephan H Bernhart Laura Wiehle Annika Müller Matthias Schlesner Marco Herling Peter Lichter Stephan Stilgenbauer Reiner Siebert Marc Zapatka	No abstract	pmid:36083597 doi:10.1080/10428194.2022.2116933	Fri, 09 Sep 2022 06:00:00 -0400
164	pubmed:36083713	Efficacy of rituximab in anti-myelin associated glycoprotein demyelinating polyneuropathy: Clinical, haematological and neurophysiological correlations on 2-years follow up	Mattia Parisi Irene Dogliotti Michele Clerico Davide Bertuzzo Giulia Benevolo Lorella Orsucci Irene Schiavetti Roberto Cavallo Federica Cavallo Simone Ragaini Alessandra Di Liberto Martina Ferrante Giulia Bondielli Carlo Alberto Artusi Daniela Drandi Leonardo Lopiano Bruno Ferrero Simone Ferrero	CONCLUSIONS: This study suggests that RTX is effective in patients with clinically active demyelinating anti-MAG neuropathy over a 2-years follow up, and that some neurophysiological parameters might be useful for monitoring this efficacy.	pmid:36083713 doi:10.1111/ene.15553	Fri, 09 Sep 2022 06:00:00 -0400
165	pubmed:36083784	Cancer Immunotherapies Based on Genetically Engineered Macrophages	Marion Cannac Jovan Nikolic Philippe Benaroch	Anticancer immunotherapies are therapeutics aimed at eliciting immune responses against tumor cells. Immunotherapies based on adoptive transfer of engineered immune cells have raised great hopes of cures because of the success of chimeric antigen receptor T-cell therapy in treating some hematologic malignancies. In parallel, advances in detailed analyses of the microenvironment of many solid tumors using high-dimensional approaches have established the origins and abundant presence of...	pmid:36083784 doi:10.1158/2326-6066.CIR-22-0030	Fri, 09 Sep 2022 06:00:00 -0400
166	pubmed:36083788	Lipid-based nanocarrier mediated CRISPR/Cas9 delivery for cancer therapy	Aisha Aziz Urushi Rehman Afsana Sheikh Mohammed A S Abourehab Prashant Kesharwani	CRISPR/Cas mediated gene-editing has opened new avenues for therapies that show great potential for treating or curing cancers, genetic disorders, and microbial infections such as HIV. CRISPR/Cas9 tool is highly efficacious in revolutionizing the advent of genome editing; however, its efficient and safe delivery is a major hurdle due to its cellular impermeability and instability. Nano vectors could be explored to scale up the safe and effective delivery of CRISPR/Cas9. This review highlights...	pmid:36083788 doi:10.1080/09205063.2022.2121592	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
167	pubmed:36083793	Widespread Intracoronary Allogeneic Cardiosphere-Derived Cell Therapy With and Without Cyclosporine in Reperfused Myocardial Infarction	George Techiryan Brian R Weil Rebecca F Young John M Canty	CONCLUSIONS: In contrast to previous studies, we were unable to reproduce the cardioprotective effects demonstrated by allogeneic CDCs without cyclosporine. Furthermore, initiation of i.v. cyclosporine at the time of reperfusion followed by oral therapy was not sufficient to elicit the functional improvement observed in studies where cyclosporine was started 72 hours before CDC therapy. This suggests that oral cyclosporine pretreatment may be necessary to effect cardiac repair with allogeneic...	pmid:36083793 doi:10.1152/ajpheart.00373.2022	Fri, 09 Sep 2022 06:00:00 -0400
168	pubmed:36083797	Cell therapy attenuates endothelial dysfunction in hypertensive rats with heart failure and preserved ejection fraction	Geoffrey de Couto Thassio Mesquita Xiaokang Wu Alex Rajewski Feng Huang Akbarshakh Akhmerov Na Na Di Wu Yizhou Wang Liang Li My Tran Peter Kilfoil Eugenio Cingolani Eduardo Marbán	Heart failure with preserved ejection fraction (HFpEF) is defined by increased left ventricular (LV) stiffness, impaired vascular compliance and fibrosis. Although systemic inflammation, driven by comorbidities, has been proposed to play a key role, the precise pathogenesis remains elusive. To test the hypothesis that inflammation drives endothelial dysfunction in HFpEF, we used cardiosphere-derived cells (CDCs), which reduce inflammation and fibrosis, improving function, structure and survival...	pmid:36083797 doi:10.1152/ajpheart.00287.2022	Fri, 09 Sep 2022 06:00:00 -0400
169	pubmed:36083855	Leukotriene Receptor Antagonist Therapy for the Chemoprevention of Human Rectal Aberrant Crypt Foci: Nonrandomized, Open-Label, Controlled Trial	Takuma Higurashi Keiichi Ashikari Shigeki Tamura Yusuke Saigusa Tomohiro Takatsu Noboru Misawa Tsutomu Yoshihara Tetsuya Matsuura Akiko Fuyuki Hidenori Ohkubo Takaomi Kessoku Kunihiro Hosono Masato Yoneda Atsushi Nakajima	Leukotriene receptor antagonists (LTRA) are widely used drugs for treating allergic asthma, and they have recently been suggested to have a suppressive effect on carcinogenesis and cancer cell proliferation. Aberrant crypt foci (ACF) are considered a reliable surrogate biomarker of colorectal cancer. This prospective study explored the chemopreventive effect of an LTRA on colonic ACF formation and the safety of the medicine in patients as a pilot trial leading to a colorectal cancer...	pmid:36083855 doi:10.1158/1940-6207.CAPR-22-0049	Fri, 09 Sep 2022 06:00:00 -0400
170	pubmed:36083892	The microbiome-derived metabolite TMAO drives immune activation and boosts responses to immune checkpoint blockade in pancreatic cancer	Gauri Mirji Alison Worth Sajad Ahmad Bhat Mohamed El Sayed Toshitha Kannan Aaron R Goldman Hsin-Yao Tang Qin Liu Noam Auslander Chi V Dang Mohamed Abdel-Mohsen Andrew Kossenkov Ben Z. Stanger Rahul S Shinde	The composition of the gut microbiome can control innate and adaptive immunity and has emerged as a key regulator of tumor growth, especially in the context of immune checkpoint blockade (ICB) therapy. However, the underlying mechanisms for how the microbiome affects tumor growth remain unclear. Pancreatic ductal adenocarcinoma (PDAC) tends to be refractory to therapy, including ICB. Using a nontargeted, liquid chromatography-tandem mass spectrometry-based metabolomic screen, we identified the...	pmid:36083892 doi:10.1126/sciimmunol.abn0704	Fri, 09 Sep 2022 06:00:00 -0400
171	pubmed:36084067	Multiple criteria decision analysis for therapeutic innovations in a hemophilia care center: A pilot study of the organizational impact of innovation in hemophilia care management	Karen Beny Amélie Dubromel Benjamin du Sartz de Vigneulles Valérie Gay Florence Carrouel Claude Negrier Claude Dussart	CONCLUSION: This approach provided a useful support for discussion, integrating organizational aspects in the treatment decision-making process, at healthcare team level. The study needs repeating in a few years' time and in other hemophilia centers.	pmid:36084067 doi:10.1371/journal.pone.0273775	Fri, 09 Sep 2022 06:00:00 -0400

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172	pubmed:36084109	CCT196969 effectively inhibits growth and survival of melanoma brain metastasis cells	Agathe Reigstad Christina Frantzen Herdlevær Emma Rigg Tuyen Hoang Ole Vidhammer Bjørnstad Synnøve Nymark Aasen Jasmin Preis Claude Haan Terje Sundstrøm Frits Thorsen	Melanomas frequently metastasize to the brain. Despite recent progress in the treatment of melanoma brain metastasis, therapy resistance and relapse of disease remain unsolved challenges. CCT196969 is a SRC family kinase (SFK) and Raf proto-oncogene, serine/threonine kinase (RAF) inhibitor with documented effects in primary melanoma cell lines in vitro and in vivo. Using in vitro cell line assays, we studied the effects of CCT196969 in multiple melanoma brain metastasis cell lines. The drug...	pmid:36084109 doi:10.1371/journal.pone.0273711	Fri, 09 Sep 2022 06:00:00 -0400
173	pubmed:36084219	The rs12532734 polymorphism near the solute carrier 26A3 gene locus is associated with gallstone disease in children	Marcin Krawczyk Olga Niewiadomska Irena Jankowska Krzysztof Jankowski Jolanta widerska Dariusz Lebensztejn Sabina Wicek Jolanta Gozdowska Zbigniew Kuaga Susanne N Weber Frank Lammert Piotr Socha	Gallstones are increasingly frequent in children. In this candidate gene study we genotyped five gene variants (ANO1, SPTLC3, TMEM147, TNRC6B, rs12532734) from a recant gallstone GWAS in a cohort of 214 children with gallstones and 172 gallstone-free adult controls. In total 138 genotyped children presented with symptomatic gallstone disease, 47 underwent cholecystectomy, and 126 received ursodeoxycholic acid (UDCA) as therapy for stones. Among five tested variants, the rs12532734 polymorphism...	pmid:36084219 doi:10.1097/MPG.0000000000003609	Fri, 09 Sep 2022 06:00:00 -0400
174	pubmed:36084239	Bioheterojunction-Engineered Polyetheretherketone Implants With Diabetic Infectious Micromilieu Twin-Engine Powered Disinfection for Boosted Osteogenicity	Bin Li Rui Shu Wenyu Dai Fan Yang Hui Xu Xiuyuan Shi Yunfei Li Ding Bai Weizhong Yang Yi Deng	Diabetic infectious micromilieu (DIM) leads to a critical failure rate of osseointegration by virtue of two main peculiarities: high levels of topical glucose and inevitable infection. To tackle the daunting issue, a bioheterojunction-engineered orthopedic polyetheretherketone (PEEK) implant consisting of copper sulfide/graphene oxide (CuS/GO) bioheterojunctions (bioHJs) and glucose oxidase (GOx) is conceived and developed for DIM enhanced disinfection and boosted osseointegration. Under...	pmid:36084239 doi:10.1002/sml.202203619	Fri, 09 Sep 2022 06:00:00 -0400
175	pubmed:36084245	Interval Appendectomy Specimens	Maria Mostyka Rhonda K Yantiss Zhengming Chen Yao Tseng-Chen	CONCLUSIONS.—: Although interval appendectomy specimens occasionally contain inflammatory infiltrates that mimic infections and/or Crohn disease, changes that can be confused with mucinous neoplasms are more frequently encountered.	pmid:36084245 doi:10.5858/arpa.2021-0485-OA	Fri, 09 Sep 2022 06:00:00 -0400
176	pubmed:36084289	Stem Cell therapy Improves Human Islet Graft Survival in Mice via Regulation of Macrophages	Wenyu Gou Wei Hua Lindsay Swaby Wanxing Cui Erica Green Katherine Morgan Charlie Strange Hongjun Wang	Islet/ cell transplantation offers great hope for patients with type 1 diabetes. We assessed the mechanisms of how intrahepatic co-infusion of human alpha-1 antitrypsin (hAAT)-engineered mesenchymal stromal cells (hAAT-MSCs) improve survival of human islet grafts post transplantation (PT). Longitudinal in vivo bioluminescence imaging studies identified significantly more islets in the livers bearing islets co-transplanted with hAAT-MSCs. In vitro mechanistic studies revealed that hAAT-MSCs...	pmid:36084289 doi:10.2337/db22-0117	Fri, 09 Sep 2022 06:00:00 -0400

NCT Number		Title	Authors	Description	Identifier	Dates
177	pubmed:36084329	Idiopathic Toe Walking: An Update on Natural History, Diagnosis, and Treatment	Jeremy P Bauer Susan Sienko Jon R Davids	Toe walking is a common presenting report to an orthopaedic practice. Evaluation of a child with toe walking includes a thorough history and physical examination to elucidate the diagnosis. When no other diagnosis is suspected, a diagnosis of idiopathic toe walking is often given. Despite the high prevalence of the condition, there is notable controversy of the nomenclature of the disease. Recent research has shed more light on both the natural history and the genetic basis. The use of motion...	pmid:36084329 doi:10.5435/JAAOS-D-22-00419	Fri, 09 Sep 2022 06:00:00 -0400