cell therapy

	NCT Number	Title	Authors	Description	Identifier	Dates
1	pubmed:36049252	Chondroitin sulfate modified chitosan nanoparticles as an efficient and targeted gene delivery vehicle to chondrocytes	Naghmeh Akbari Moghadam Fatemeh Bagheri Mohamadreza Baghaban Eslaminejad	Conventional treatments for osteoarthritis (OA), including drug delivery and tissue engineering approaches, could not offer a high yield of cartilage repair due to the compact and exclusive structure of cartilage. Targeted and high-efficiency delivery of gene sequences is necessary to rebalance the lost homeostatic properties of the cartilage in OA. Herein, we synthesized chitosan (CH)-chondroitin sulfate (CS) nanoparticles (NPs) as a platform for delivering gene sequences. These new...	pmid:36049252 doi:10.1016/j.colsurfb.2022.112786	Thu, 01 Sep 2022 06:00:00 -0400
2	pubmed:36049377	Preparation and application of a specific single-chain variable fragment against artemether	Fang Lu Fa Zhang Jingqi Qian Tingting Huang Liping Chen Yilin Huang Baomin Wang Liwang Cui Suqin Guo	Artemether, an artemisinin derivative, is a component of the commonly used artemisinin-based combination therapy, artemether-lumefantrine. In this study, we cloned the VH and VL genes of a cell line (mAb 2G12E1) producing a monoclonal antibody specific to artemether, and used to construct a recombinant DNA of single-chain variable fragment (scFv). The scFv was constructed into prokaryotic expression vectors pET32a (+), pET22b (+), pGEX-2T, and pMAL-p5x, respectively. However, only the...	pmid:36049377 doi:10.1016/j.jpba.2022.115020	Thu, 01 Sep 2022 06:00:00 -0400
3	pubmed:36049568	Thiolated hyaluronic acid and catalase-enhanced CD44-targeting and oxygen self-supplying nanoplatforms with photothermal/photodynamic effects against hypoxic breast cancer cells	Xin-Yu Wang Chi Lin Wong-Jin Chang Yen-Hua Huang Fwu-Long Mi	Photothermal and photodynamic therapies (PTT/PDT) have been widely accepted as noninvasive therapeutic methods for cancer treatment. However, tumor hypoxia and insufficient delivery of photoactive compounds to cancer cells can reduce the efficacy of phototherapy. Herein, we first synthesized thiolated hyaluronic acid (THA) and then conjugated it with catalase (CAT) onto chlorin e6 (Ce6)-adsorbed small gold nanorods (Ce6@sAuNRs) with near-infrared (NIR)/visible light activated...	pmid:36049568 doi:10.1016/j.ijbiomac.2022.08.164	Thu, 01 Sep 2022 06:00:00 -0400
4	pubmed:36049597	Combined therapy of GABA and sitagliptin prevents high-fat diet impairment of beta-cell function	Zhihong Wang Linling Fan Yunzhi Ni Di Wu Anran Ma Ying Zhao Jia Li Qiaoli Cui Yue Zhou Li Zhang Yan-Ru Lou Gerald J Prud'homme Qinghua Wang	We recently demonstrated that combined therapy of GABA and sitagliptin promoted beta-cell proliferation, and decreased beta-cell apoptosis in a multiple low-dose streptozotocin (STZ)-induced beta-cell injury mouse model. In this study, we examined whether this combined therapy is effective in ameliorating the impairment of beta-cell function caused by high-fat diet (HFD) feeding in mice. Male C57BL/6J mice were fed normal chow diet, HFD, or HFD combined with GABA, sitagliptin, or both drugs....	pmid:36049597 doi:10.1016/j.mce.2022.111755	Thu, 01 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
5	pubmed:36049598	Vitamin D receptor activation is a feasible therapeutic target to impair adrenocortical tumorigenesis	Ana Carolina Bueno Candy Bellido More Junier Marrero-Gutiérrez Danillo C de Almeida E Silva Leticia Ferro Leal Ana Paula Montaldi Fernando Silva Ramalho Ricardo Zorzetto Nicoliello Vêncio Margaret de Castro Sonir Roberto R Antonini	CONCLUSIONS: H295R cells present VDR hypermethylation, which can be responsible for its underexpression and signaling inactivation under basal conditions. VDR signaling promoted antiproliferative effects in vitro and in vivo, suggesting that it may be a potential therapeutic target for ACC and a valuable tool for patient's clinical management.	pmid:36049598 doi:10.1016/j.mce.2022.111757	Thu, 01 Sep 2022 06:00:00 -0400
6	pubmed:36049628	Immunosuppression in patients with primary immunodeficiency - Walking the Line	S Shahzad Mustafa Nicholas L Rider Stephen Jolles	Individuals with primary immunodeficiency (PIDD) experience not only infectious complications, but also immune dysregulation leading to autoimmunity, inflammation and lymphoproliferative manifestations. Management of these complications often requires treatment with additional immunosuppressive medications, which pose an additional risk of infectious complications. Immunosuppression in individuals with PIDD therefore requires careful assessment and consideration of risks and benefits....	pmid:36049628 doi:10.1016/j.jaip.2022.08.025	Thu, 01 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
7	pubmed:36049654	Efficacy and safety of Rezivertinib (BPI-7711) in patients with locally advanced or metastatic/recurrent EGFR T790M mutated NSCLC: a phase IIb study	Yuankai Shi Shiman Wu Ke Wang Shundong Cang Wenxiu Yao Yun Fan Lin Wu Meijuan Huang Xingya Li Yueyin Pan Zhixiong Yang Bo Zhu Gongyan Chen Jianhua Shi Meili Sun Jian Fang Lijun Wang Zhaohong Chen Chunling Liu Jingzhang Li Jiwei Liu Shenghua Sun Yanqiu Zhao Yanzhen Guo Zili Meng Zhefeng Liu Zhigang Han Hong Lu Rui Ma Sheng Hu Guofang Zhao Zheng Liu Congying Xie Diansheng Zhong Hui Zhao Huiqing Yu Longzhen Zhang Minghong Bi Shanyong Yi Shuliang Guo Tienan Yi Wen Li Yingcheng Lin Yongqian Shu Zhendong Chen Zhongliang Guo Michael Greco Tingting Wang Haijiao Shen	CONCLUSIONS: Rezivertinib demonstrated promising efficacy and favorable safety profile for locally advanced or metastatic/recurrent NSCLC patients with EGFR T790M mutation.	pmid:36049654 doi:10.1016/j.jtho.2022.08.015	Thu, 01 Sep 2022 06:00:00 -0400
8	pubmed:36049656	Cox Proportional Hazard Ratios Overestimate Survival Benefit of Immune Checkpoint Inhibitors (ICI): Cox-TEL Adjustment and Meta-analyses of PD-L1 Expression and ICI Survival Benefit	Emily Pei-Ying Lin Chih-Yuan Hsu Jeng-Fong Chiou Lynne Berry Leora Horn Paul Bunn James Chih-Hsin Yang Pan-Chyr Yang Alex A Adjei Yu Shyr	CONCLUSIONS: This study shows 10% long-term survival probability increment in ICI long-term survivors across PD-L1 positive subpopulations in both ICI treatment lines. Meanwhile, ST-HR was consistently poorer than Cox HR. For patients with PD-L1	pmid:36049656 doi:10.1016/j.jtho.2022.08.010	Thu, 01 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
9	pubmed:36049782	Mesenchymal Stem Cell Transplantation in Liver Diseases	Frederik Nevens Schalk van der Merwe	Promising preclinical data suggested that bone marrow-derived mesenchymal stem cells (BM-MSC) can reduce hepatic fibrosis and stimulate liver regeneration. Preclinical studies moreover suggested that the immunomodulatory and anti-inflammatory functions of MSCs may reduce hepatic inflammation, improve liver function, and decrease infection incidences which are deemed especially important in the case of acute-on-chronic liver failure (ACLF). Studies in patients with decompensated cirrhosis...	pmid:36049782 doi:10.1055/s-0042-1755328	Thu, 01 Sep 2022 06:00:00 -0400
10	pubmed:36049897	Near-infrared light and redox dual-activatable nanosystems for synergistically cascaded cancer phototherapy with reduced skin photosensitization	YiCong Li DanRong Hu Meng Pan Ying Qu BingYang Chu JinFeng Liao XiaoHan Zhou QingYa Liu Shuang Cheng Yu Chen Quan Wei ZhiYong Qian	Currently, activatable photodynamic therapy (PDT) that is precisely regulated by endogenous or exogenous stimuli to selectively produce cytotoxic reactive oxygen species at the tumor site is urgently in demand. Herein, we fabricated a dual-activatable PDT nanosystem regulated by the redox tumor microenvironment and near-infrared (NIR) light-induced photothermal therapy (PTT). In this study, photosensitizer chlorin e6 (Ce6) was conjugated to hyaluronic acid (HA) via a diselenide bond to form an...	pmid:36049897 doi:10.1016/j.biomaterials.2022.121700	Thu, 01 Sep 2022 06:00:00 -0400
11	pubmed:36049972	Paradigm shift in monogenic autoinflammatory diseases and systemic vasculitis: The VEXAS syndrome	José Hernández-Rodríguez Anna Mensa-Vilaró Juan I Aróstegui	VEXAS syndrome was described by the end of 2020 as an autoinflammatory disease caused by post-zygotic variants in the UBA1 gene. VEXAS syndrome occurs in adult males with recurrent fever, arthralgia/arthritis, ear/nose chondritis, neutrophilic dermatosis, lung inflammation, venous thrombosis, and different types of vasculitis. Common laboratory changes include raised acute phase reactants and macrocytic anemia. The coexistence of myelodysplasia is frequent, and bone marrow vacuolization of...	pmid:36049972 doi:10.1016/j.medcli.2022.06.018	Thu, 01 Sep 2022 06:00:00 -0400
12	pubmed:36050140	Safety and feasibility of autologous cord blood infusion for improving motor function in young children with cerebral palsy in Japan: A single-center study	Hiroaki Kikuchi Shiho Saitoh Terumasa Tsuno Rina Hosoda Nobuyasu Baba Feifei Wang Naomi Mitsuda Masayuki Tsuda Nagamasa Maeda Yusuke Sagara Mikiya Fujieda	CONCLUSION: ACB infusion was safe and feasible for clinical use in patients with CP. However, much more clinical study with larger numbers of patients and in-depth studies of treatment mechanism of CP are needed.	pmid:36050140 doi:10.1016/j.braindev.2022.08.004	Thu, 01 Sep 2022 06:00:00 -0400
13	pubmed:36050142	The evolving regulatory landscape in regenerative medicine	Danielle J Beetler Damian N Di Florio Ethan W Law Chris M Groen Anthony J Windebank Quinn P Peterson DeLisa Fairweather	Regenerative medicine as a field has emerged as a new component of modern medicine and medical research that encompasses a wide range of products including cellular and acellular therapies. As this new field emerged, regulatory agencies like the Food and Drug Administration (FDA) rapidly adapted existing regulatory frameworks to address the transplantation, gene therapy, cell-based therapeutics, and acellular biologics that fall under the broader regenerative medicine umbrella. Where it has not...	pmid:36050142 doi:10.1016/j.mam.2022.101138	Thu, 01 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
14	pubmed:36050262	Management and Health Resource Use of Patients With Metastatic Renal Cell Carcinoma treated With Systemic Therapy Over 2014-2017 in France: A National Real-World Study	Bernard Escudier Marie de Zélicourt Redha Bourouina Camille Nevoret Antoine Thiery-Vuillemin	CONCLUSION: This study documented patient characteristics, treatment patterns and survival outcomes in mRCC patients receiving systemic therapy in France (2014-2017). Estimated survival rates were consistent with real-world studies from other countries.	pmid:36050262 doi:10.1016/j.clgc.2022.07.010	Thu, 01 Sep 2022 06:00:00 -0400
15	pubmed:36050317	Clinical outcomes in patients with chronic lymphocytic leukemia with disease progression on ibrutinib	Paul J Hampel Kari G Rabe Timothy G Call Wei Ding Jose F Leis Asher A Chanan-Khan Saad S Kenderian Eli Muchtar Yucai Wang Sikander Ailawadhi Amber B Koehler Ricardo Parrondo Susan M Schwager Taimur Sher Curtis A Hanson Min Shi Daniel L Van Dyke Esteban Braggio Susan L Slager Neil E Kay Sameer A Parikh	Patients with chronic lymphocytic leukemia (CLL) with disease progression on ibrutinib have worse outcomes compared to patients stopping ibrutinib due to toxicity. A better understanding of expected outcomes in these patients is necessary to establish a benchmark for evaluating novel agents currently available and in development. We evaluated outcomes of 144 patients with CLL treated at Mayo Clinic with 2018 iwCLL disease progression on ibrutinib. The median overall survival (OS) for the entire...	pmid:36050317 doi:10.1038/s41408-022-00721-6	Thu, 01 Sep 2022 06:00:00 -0400
16	pubmed:36050404	-Catenin promotes long-term survival and angiogenesis of peripheral blood mesenchymal stem cells via the Oct4 signaling pathway	Pengzhen Wang Zhanyu Deng Aiguo Li Rongsen Li Weiguang Huang Jin Cui Songsheng Chen Biao Li Shaoheng Zhang	Stem cell therapy has been extensively studied to improve heart function following myocardial infarction; however, its therapeutic potency is limited by low rates of engraftment, survival, and differentiation. Here, we aimed to determine the roles of the -catenin/Oct4 signaling axis in the regulation of long-term survival and angiogenesis of peripheral blood mesenchymal stem cells (PBMSCs). These cells were obtained from rat abdominal aortic blood. We showed that -catenin promotes the...	pmid:36050404 doi:10.1038/s12276-022-00839-4	Thu, 01 Sep 2022 06:00:00 -0400
17	pubmed:36050427	Drug resistant bacteria in perianal abscesses are frequent and relevant	Fabienne Bender Lukas Eckerth Moritz Fritzenwanker Juliane Liese Ingolf Askevold Can Imirzalioglu Winfried Padberg Andreas Hecker Martin Reichert	Perianal abscesses are frequent diseases in general surgery. Principles of standard patient care are surgical drainage with exploration and concomitant treatment of fistula. Antiinfective therapy is frequently applied in cases of severe local disease and perianal sepsis. However, the role of microbiologic testing of purulence from perianal abscesses is disputed and the knowledge concerning bacteriology and bacterial resistances is very limited. A retrospective cohort study was performed of...	pmid:36050427 doi:10.1038/s41598-022-19123-6	Thu, 01 Sep 2022 06:00:00 -0400
18	pubmed:36050472	mRNA vaccines boost BioNTech's CAR T cell therapy	Thiago Carvalho	No abstract	pmid:36050472 doi:10.1038/d41591-022-00091-3	Thu, 01 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
19	pubmed:36050478	Sphingosine kinase 1 promotes tumor immune evasion by regulating the MTA3-PD-L1 axis	Poyee Lau Guanxiong Zhang Shuang Zhao Long Liang Hailun Zhang Guowei Zhou Mien-Chie Hung Xiang Chen Hong Liu	Immune checkpoint blockade (ICB) exhibits considerable benefits in malignancies, but its overall response rate is limited. Previous studies have shown that sphingosine kinases (SPHKs) are critical in the tumor microenvironment (TME), but their role in immunotherapy is unclear. We performed integrative analyses including bioinformatics analysis, functional study, and clinical validation to investigate the role of SPHK1 in tumor immunity. Functionally, we demonstrated that the inhibition of SPHK1...	pmid:36050478 doi:10.1038/s41423-022-00911-z	Thu, 01 Sep 2022 06:00:00 -0400
20	pubmed:36050497	Potentiation of temozolomide activity against glioblastoma cells by aromatase inhibitor letrozole	Aniruddha S Karve Janki M Desai Nimita Dave Trisha M Wise-Draper Gary A Gudelsky Timothy N Phoenix Biplab DasGupta Soma Sengupta David R Plas Pankaj B Desai	CONCLUSIONS: LTZ increases DNA damage and synergistically enhances TMZ activity in TMZ sensitive and TMZ-resistant GBM lines. These effects are abrogated by the addition of exogenous estradiol underscoring that the observed effects of LTZ may be mediated by estrogen deprivation. Our study provides a strong rationale for investigating the clinical potential of combining LTZ and TMZ for GBM therapy.	pmid:36050497 doi:10.1007/s00280-022-04469-5	Thu, 01 Sep 2022 06:00:00 -0400
21	pubmed:36050539	Neutrophil extracellular traps facilitate cancer metastasis: cellular mechanisms and therapeutic strategies	Wenxing Hu Serene M L Lee Alexandr V Bazhin Markus Guba Jens Werner Hanno Nieß	CONCLUSIONS: Considering the role of NETs in tumor progression, NETs could be a promising diagnostic and therapeutic target for cancer management. However, current evidence is mostly derived from experimental models and as such more clinical studies are still needed to verify the clinical significance of NETs in oncological settings.	pmid:36050539 doi:10.1007/s00432-022-04310-9	Thu, 01 Sep 2022 06:00:00 -0400
22	pubmed:36050601	EIF3B stabilizes PTGS2 expression by counteracting MDM2-mediated ubiquitination to promote the development and progression of malignant melanoma	Pengli Fang Yikai Han Yanhong Qu Xin Wang Yong Zhang Wei Zhang Na Zhang Guangshuai Li Wang Ma	Malignant melanoma (MM) is a neoplasm that develops from human melanocytes. It was reported that eukaryotic translation initiation factor 3 subunit B (EIF3B) is associated with multiple types of cancers, but its role in MM has not been reported. In the presenting study, we found that EIF3B was abundantly expressed in MM, and was strongly related to lymphatic metastasis and pathological stage of MM patients. In addition, EIF3B depletion could block the progression of MM in vitro and in vivo. In...	pmid:36050601 doi:10.1111/cas.15543	Thu, 01 Sep 2022 06:00:00 -0400
23	pubmed:36050607	Safety and short-term efficacy of preoperative FOLFOX therapy in patients with resectable esophageal squamous cell carcinoma who are ineligible for cisplatin	Toru Kadono Shun Yamamoto Toshiharu Hirose Go Ikeda Akihiro Ohara Mai Itoyama Kazuki Yokoyama Yoshitaka Honma Taiki Hashimoto Shigeki Sekine Koshiro Ishiyama Junya Oguma Hiroyuki Daiko Ken Kato	CONCLUSIONS: Preoperative FOLFOX had a manageable safety profile and showed favorable short-term efficacy in patients with resectable LAESCC who were ineligible for CDDP-containing treatment.	pmid:36050607 doi:10.1007/s10388-022-00951-4	Thu, 01 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
24	pubmed:36050613	The therapeutic prospects and challenges of human neural stem cells for the treatment of Alzheimer's Disease	Chunmei Yue Su Feng Yingying Chen Naihe Jing	Alzheimer's disease (AD) is a multifactorial neurodegenerative disorder associated with aging. Due to its insidious onset, protracted progression, and unclear pathogenesis, it is considered one of the most obscure and intractable brain disorders, and currently, there are no effective therapies for it. Convincing evidence indicates that the irreversible decline of cognitive abilities in patients coincides with the deterioration and degeneration of neurons and synapses in the AD brain. Human...	pmid:36050613 doi:10.1186/s13619-022-00128-5	Thu, 01 Sep 2022 06:00:00 -0400
25	pubmed:36050665	Cytomegalovirus infection in patients with malignant lymphomas who have not received hematopoietic stem cell transplantation	Kazuya Sato Sho Igarashi Nodoka Tsukada Junki Inamura Masayo Yamamoto Motohiro Shindo Kentaro Moriichi Yusuke Mizukami Mikihiro Fujiya Yoshihiro Torimoto	CONCLUSIONS: Attention should be paid to CMVI development in patients with ML w/o HSCT pretreated with steroids or who had multiple therapeutic regimens.	pmid:36050665 doi:10.1186/s12885-022-10008-5	Thu, 01 Sep 2022 06:00:00 -0400
26	pubmed:36050696	The role of oxidative stress in ovarian aging: a review	Fei Yan Qi Zhao Ying Li Zhibo Zheng Xinliang Kong Chang Shu Yanfeng Liu Yun Shi	Ovarian aging refers to the process by which ovarian function declines until eventual failure. The pathogenesis of ovarian aging is complex and diverse; oxidative stress (OS) is considered to be a key factor. This review focuses on the fact that OS status accelerates the ovarian aging process by promoting apoptosis, inflammation, mitochondrial damage, telomere shortening and biomacromolecular damage. Current evidence suggests that aging, smoking, high-sugar diets, pressure, superovulation,...	pmid:36050696 doi:10.1186/s13048-022-01032-x	Thu, 01 Sep 2022 06:00:00 -0400
27	pubmed:36050724	Combination treatment with hENT1 and miR-143 reverses gemcitabine resistance in triple-negative breast cancer	Yue Xi Ting Li Yun Xi Xinyi Zeng Ying Miao Rui Guo Min Zhang Biao Li	CONCLUSIONS: Combined therapy of exogenous upregulation of hENT1 expression and miR-143 mimic administration was effective in reversing GEM resistance, providing a promising strategy for treating GEM-resistant TNBC.	pmid:36050724 doi:10.1186/s12935-022-02681-0	Thu, 01 Sep 2022 06:00:00 -0400
28	pubmed:36050747	N6-methyladenosine RNA modification (m6A) is of prognostic value in HPV-dependent vulvar squamous cell carcinoma	Mateja Condic Thore Thiesler Christian Staerk Niklas Klümper Jörg Ellinger Eva K Egger Kirsten Kübler Glen Kristiansen Alexander Mustea Damian J Ralser	CONCLUSION: Our study suggests dysregulated m6A modification in HPV-associated VSCC.	pmid:36050747 doi:10.1186/s12885-022-10010-x	Thu, 01 Sep 2022 06:00:00 -0400
29	pubmed:36050752	Inhibition of lncRNA NEAT1 induces dysfunction of fibroblast-like synoviocytes in rheumatoid arthritis via miRNA-338-3p-mediated regulation of glutamine metabolism	Mei Zhang Ning Lu Hong-Jun Li Xiao-Yun Guo Lu Lu Ying Guo	CONCLUSIONS: This study reveals the essential role and molecular targets of NEAT1-regulated glutamine metabolism and FLSs-RA dysfunction in fibroblast-like synoviocytes of RA and indicates that blocking the molecular pathway via non-coding RNAs may be beneficial for RA patients.	pmid:36050752 doi:10.1186/s13018-022-03295-y	Thu, 01 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
30	pubmed:36050760	Impaired mitochondria of Tregs decreases OXPHOS-derived ATP in primary immune thrombocytopenia with positive plasma pathogens detected by metagenomic sequencing	Yanxia Zhan Jingjing Cao Lili Ji Miaomiao Zhang Qi Shen Pengcheng Xu Xibing Zhuang Shanshan Qin Fanli Hua Lihua Sun Feng Li Hao Chen Yunfeng Cheng	CONCLUSIONS: Impaired mitochondria function of Tregs in positive pathogen-ITP patients caused a decrease of OXPHOS-derived ATP and overall metabolism flux that might be the cause of steroid resistance in ITP patients.	pmid:36050760 doi:10.1186/s40164-022-00304-y	Thu, 01 Sep 2022 06:00:00 -0400
31	pubmed:36050894	Organic Small Molecule Contrast Agent for Targeted Photoacoustic Imaging of Patient-Derived Brain Tumors	Min Wu Kai Xiao Xingang Liu Yudan Yang Gousheng Song Gelei Xiao Qing Liu Jian Yuan Bin Liu	Traditional glioblastoma (GBM) cell lines do not maintain the heterogeneity of the original tumor, cell interactions, and therapy response, thus limiting their investigation in GBM theranostics. Herein, a kind of GBM tumor-targeting nanoparticles (NPs) TCFNP@iRGD are designed and constructed, which are generated by photoacoustic (PA) contrast agent 2-(3-cyano-4,5,5-trimethylfuran-2(5H)-ylidene) malononitrile (TCF)-OH through facile nanoprecipitation and decorated with an active targeting ligand...	pmid:36050894 doi:10.1002/adhm.202201640	Fri, 02 Sep 2022 06:00:00 -0400
32	pubmed:36050923	Mobile Cognitive Behavioral Therapy for Posttraumatic Stress: Diving back in after Hematopoietic Stem Cell Transplant	Hannah-Rose Mitchell Sophia K Smith Rebecca Gebert Allison J Applebaum	This article is protected by copyright. All rights reserved. This article is protected by copyright. All rights reserved.	pmid:36050923 doi:10.1002/pon.6022	Fri, 02 Sep 2022 06:00:00 -0400
33	pubmed:36050941	Multifocal oral squamous cell carcinoma post haematopoietic stem cell transplantation: A case report	Nurhayu Ab Rahman Nik Aida Nasuha Nik Othman	Oral squamous cell carcinoma is considered a rare complication of post-haematopoietic stem cell transplantation (HSCT). Early detection of these lesions is further complicated by the overlapping clinical appearance and presentation of lesions associated with chronic graft versus host disease (cGVHD). We report a case of oral squamous cell carcinoma in a 33 year-old man who presented with severe intraoral pain on the lower left side of the cheek and jaw 19 months after undergoing HSCT for the...	pmid:36050941 pmc:PMC9396071 doi:10.1016/j.jtumed.2021.12.015	Fri, 02 Sep 2022 06:00:00 -0400
34	pubmed:36051012	Second malignant neoplasms after treatment of 1487 children and adolescents with acute lymphoblastic leukemia-A population-based analysis of the Austrian ALL-BFM Study Group	Fiona Poyer Karin Dieckmann Michael Dworzak Melanie Tamesberger Oskar Haas Neil Jones Karin Nebral Stefan Köhrer Reinhard Moser Gabriele Kropshofer Christina Peters Christian Urban Georg Mann Ulrike Pötschger Andishe Attarbaschi Austrian BerlinFrankfurtMünster (BFM) Study Group	Second malignant neoplasms (SMN) after primary childhood acute lymphoblastic leukemia (ALL) are rare. Among 1487 ALL patients diagnosed between 1981 and 2010 in Austria, the 10-year cumulative incidence of an SMN was 1.1% ± 0.3%. There was no difference in the 10-year incidence of SMNs with regard to diagnostic-, response- and therapy-related ALL characteristics except for a significantly higher incidence in patients with leukocytes 50.0 G/L at ALL diagnosis (2.1% ± 1.0% vs. 0% for 20.0-50.0...	pmid:36051012 pmc:PMC9421960 doi:10.1002/jha2.488	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
35	pubmed:36051015	Daratumumab-bortezomib-dexamethasone use in relapsed POEMS syndrome	Jahanzaib Khwaja Ryan Keh Duncan Smyth Michael Peter Lunn Shirley D'Sa Jonathan Sive	POEMS syndrome is a rareparaneoplastic disorder driven by an underlying low level plasma cell dyscrasiaand associated with elevated serum vascular endothelial growth factor (VEGF). Dueto its rarity, there are no internationally agreed standards of care, with verylimited data to guide management in the relapse setting. Agents used in myelomaare rational choices and have been employed. Daratumumab has been reported intwo case studies with lenalidomide-dexamethasone, one in the upfront and one...	pmid:36051015 pmc:PMC9421966 doi:10.1002/jha2.492	Fri, 02 Sep 2022 06:00:00 -0400
36	pubmed:36051022	Hematopoietic stem progenitor cells with malignancy-related gene mutations in patients with acquired aplastic anemia are characterized by the increased expression of CXCR4	Takamasa Katagiri Jorge Luis Espinoza Mizuho Uemori Honoka Ikeda Kohei Hosokawa Ken Ishiyama Takeshi Yoroidaka Tatsuya Imi Hiroyuki Takamatsu Tatsuhiko Ozawa Hiroyuki Kishi Yasuhiko Yamamoto Mahmoud Ibrahim Elbadry Yoshinori Yoshida Kazuhisa Chonabayashi Katsuto Takenaka Koichi Akashi Yasuhito Nannya Seishi Ogawa Shinji Nakao	The phenotypic changes in hematopoietic stem progenitor cells (HSPCs) with somatic mutations of malignancy-related genes in patients with acquired aplastic anemia (AA) are poorly understood. As our initial study showed increased CXCR4 expression on HLA allele-lacking (HLA[-]) HSPCs that solely support hematopoiesis in comparison to redundant HLA(+) HSPCs in AA patients, we screened the HSPCs of patients with various types of bone marrow (BM) failure to investigate their CXCR4 expression. In...	pmid:36051022 pmc:PMC9422028 doi:10.1002/jha2.515	Fri, 02 Sep 2022 06:00:00 -0400
37	pubmed:36051034	Autologous stem cell transplantation in a patient with scleromyxedema	Sunita Nathan Celalettin Ustun	No abstract	pmid:36051034 pmc:PMC9421977 doi:10.1002/jha2.463	Fri, 02 Sep 2022 06:00:00 -0400
38	pubmed:36051035	Radiologic zebra line sign in a patient with Langerhans cell histiocytosis on bisphosphonate therapy	Kenichi Sakamoto Yoko Shioda	No abstract	pmid:36051035 pmc:PMC9421972 doi:10.1002/jha2.452	Fri, 02 Sep 2022 06:00:00 -0400
39	pubmed:36051036	CAR-T cells derived from multiple myeloma patients at diagnosis have improved cytotoxic functions compared to those produced at relapse or following daratumumab treatment	Audrey Abecassis Nathalie Roders Maxime Fayon Caroline Choisy Elisabeth Nelson Stephanie Harel Bruno Royer Camille Villesuzanne Alexis Talbot David Garrick Michele Goodhardt Jean-Paul Fermand Mike Burbridge Bertrand Arnulf Jean-Christophe Bories	Chimeric antigen receptor T cells (CAR-T) have provided promising results in multiple myeloma (MM). However, many patients still relapse, pointing toward the need of improving this therapy. Here, we analyzed peripheral blood T cells from MM patients at different stages of the disease and investigated their phenotype and capacity to generate functional CAR-T directed against CS1 or B Cell Maturation antigen. We found a decrease in naive T cells and elevated frequencies of exhaustion markers in T...	pmid:36051036 pmc:PMC9421998 doi:10.1002/jha2.479	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
40	pubmed:36051037	B-cell receptors of EBV-negative Burkitt lymphoma bind modified isoforms of autoantigens	Theresa Bock Moritz Bewarder Onur Cetin Natalie Fadle Evi Regitz Eva C Schwarz Jana Held Sophie Roth Stefan Lohse Thorsten Pfuhl Rabea Wagener Sigrun Smola Sören L Becker Rainer Maria Bohle Lorenz Trümper Reiner Siebert Martin-Leo Hansmann Michael Pfreundschuh Hans G Drexler Markus Hoth Boris Kubuschok Klaus Roemer Klaus-Dieter Preuss Sylvia Hartmann Lorenz Thurner	Burkitt lymphoma (BL) represents the most aggressive B-cell-lymphoma. Beside the hallmark of IG-MYC-translocation, surface B-cell receptor (BCR) is expressed, and mutations in the BCR pathway are frequent. Coincidental infections in endemic BL, and specific extra-nodal sites suggest antigenic triggers. To explore this hypothesis, BCRs of BL cell lines and cases were screened for reactivities against a panel of bacterial lysates, lysates of Plasmodium falciparum, a custom-made virome array and...	pmid:36051037 pmc:PMC9421956 doi:10.1002/jha2.475	Fri, 02 Sep 2022 06:00:00 -0400
41	pubmed:36051043	Acquired factor VII inhibitor associated with primary central nervous system Lymphoma: A case report	Vanshika Goyal Giselle Salmasi Andrew D Leavitt James L Rubenstein Rahul Banerjee	Paraneoplastic coagulopathies are uncommon in patients with lymphoma. We report the first case of an acquired coagulopathy in a patient with isolated primary central nervous system lymphoma (PCNSL) demonstrating large-cell histology. In our patient, a paraneoplastic factor VII inhibitor significantly delayed a diagnostic lumbar puncture despite fresh frozen plasma and inactivated prothrombin complex concentrate. While her coagulopathy was effectively overcome with recombinant activated factor...	pmid:36051043 pmc:PMC9421997 doi:10.1002/jha2.482	Fri, 02 Sep 2022 06:00:00 -0400
42	pubmed:36051045	A pilot study on dasatinib in patients with Waldenström macroglobulinemia progressing on ibrutinib	Jorge J Castillo Shayna Sarosiek Catherine A Flynn Carly Leventoff Megan Little Timothy White Kirsten Meid Steven P Treon	The hematopoietic cell kinase (HCK) regulates BTK activation and represents a potential therapeutic target in Waldenstrom macroglobulinemia (WM). We investigated dasatinib, a potent HCK inhibitor, in patients with WM progressing on ibrutinib. Study treatment consisted of dasatinib administered at 100 mg by mouth once daily in four-week cycles for up to 24 cycles. This study was registered under ClinicalTrials.Gov ID NCT04115059. Three participants were enrolled and received at least one cycle of...	pmid:36051045 pmc:PMC9421949 doi:10.1002/jha2.493	Fri, 02 Sep 2022 06:00:00 -0400
43	pubmed:36051053	microRNA expression in acute myeloid leukaemia: New targets for therapy?	Daniel Fletcher Elliott Brown Julliah Javadala Pinar Uysal-Onganer Barbara-Ann Guinn	Recent studies have shown that short non-coding RNAs, known as microRNAs (miRNAs) and their dysregulation, are implicated in the pathogenesis of acute myeloid leukaemia (AML). This is due to their role in the control of gene expression in a variety of molecular pathways. Therapies involving miRNA suppression and replacement have been developed. The normalisation of expression and the subsequent impact on AML cells have been investigated for some miRNAs, demonstrating their potential to act as...	pmid:36051053 pmc:PMC9421970 doi:10.1002/jha2.441	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
44	pubmed:36051057	The 17-gene stemness score associates with relapse risk and long-term outcomes following allogeneic haematopoietic cell transplantation in acute myeloid leukaemia	Dennis D H Kim Igor Novitzky Basso Taehyung Simon Kim Seong Yoon Yi Kyoung Ha Kim Tracy Murphy Steven Chan Mark Minden Ivan Pasic Wilson Lam Arjun Law Fotios V Michelis Armin Gerbitz Auro Viswabandya Jeffrey Lipton Rajat Kumar Stanley W K Ng Tracy Stockley Tong Zhang Ian King Jonas Mattsson Jean C Y Wang	A 17-gene stemness (LSC17) score determines risk in acute myeloid leukaemia patients treated with standard chemotherapy regimens. The present study further analysed the impact of the LSC17 score at diagnosis on outcomes following allogeneic haematopoietic cell transplantation (HCT). Out of 452 patients with available LSC17 score, 123 patients received allogeneic HCT. Transplant outcomes, including overall (OS), leukaemia-free survival (LFS), relapse incidence (RI) and non-relapse mortality...	pmid:36051057 pmc:PMC9422016 doi:10.1002/jha2.466	Fri, 02 Sep 2022 06:00:00 -0400
45	pubmed:36051061	Outcomes of poor peripheral blood stem cell mobilizers with multiple myeloma at the first mobilization: A multicenter retrospective study in Japan	Yurie Miyamoto-Nagai Naoya Mimura Nobuhiro Tsukada Nobuyuki Aotsuka Masaki Ri Yuna Katsuoka Toshio Wakayama Rikio Suzuki Yoriko Harazaki Morio Matsumoto Kyoya Kumagai Takaaki Miyake Shuji Ozaki Katsuhiro Shono Hiroaki Tanaka Arika Shimura Yoshiaki Kuroda Kazutaka Sunami Kazuhito Suzuki Takeshi Yamashita Kazuyuki Shimizu Hirokazu Murakami Masahiro Abe Chiaki Nakaseko Emiko Sakaida	Autologous stem cell transplantation (ASCT) remains an important therapeutic strategy for multiple myeloma; however, a proportion of patients fail to mobilize a sufficient number of peripheral blood stem cells (PBSCs) to proceed to ASCT. In the present study, we aimed to clarify the characteristics and outcomes of poor mobilizers. Clinical data on poorly mobilized patients who underwent PBSC harvest for almost 10 years were retrospectively collected from 44 institutions in the Japanese Society...	pmid:36051061 pmc:PMC9422024 doi:10.1002/jha2.534	Fri, 02 Sep 2022 06:00:00 -0400
46	pubmed:36051066	Dihydroorotate dehydrogenase inhibition acts synergistically with tyrosine kinase inhibitors to induce apoptosis of mantle cell lymphoma cells	May Eriksen-Gjerstad Ida Tveit Karlsen Zinayida Fandalyuk Susanne Benjaminsen Fanny Baran-Marszak Bela Papp Frederick Locke Marcus Ladds Andrés Pastor-Fernández Pascal Gelebart Emmet Mc Cormack	Mantle cell lymphoma (MCL) is a non-Hodgkin lymphoma that remains incurable with the treatment options available today. In the present study, we have identified the dihydroorotate dehydrogenase (DHODH), an essential enzyme for the de novo biosynthesis of pyrimidine-based nucleotides, to be overexpressed in MCL in comparison to healthy peripheral blood mononuclear cells (PBMC). In vitro inhibition of the DHODH activity using a newly developed DHODH inhibitor, namely (R)-HZ05, can induce MCL cell...	pmid:36051066 pmc:PMC9422018 doi:10.1002/jha2.434	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
47	pubmed:36051067	Transcriptional profiles define drug refractory disease in myeloma	Yuan Xiao Zhu Laura A Bruins Xianfeng Chen Chang-Xin Shi Cecilia Bonolo De Campos Nathalie Meurice Xuewei Wang Greg J Ahmann Colleen A Ramsower Esteban Braggio Lisa M Rimsza A Keith Stewart	Identifying biomarkers associated with disease progression and drug resistance are important for personalized care. We investigated the expression of 121 curated genes, related to immunomodulatory drugs (IMiDs) and proteasome inhibitors (PIs) responsiveness. We analyzed 28 human multiple myeloma (MM) cell lines with known drug sensitivities and 130 primary MM patient samples collected at different disease stages, including newly diagnosed (ND), on therapy (OT), and relapsed and refractory (RR,...	pmid:36051067 pmc:PMC9422020 doi:10.1002/jha2.455	Fri, 02 Sep 2022 06:00:00 -0400
48	pubmed:36051076	Unusually swift response of relapsed Burkitt leukemia to R-DHAP	Dennis Christoph Harrer Alexander Denk Felix Keil Karin Menhart Stephanie Mayer Daniel Wolff Matthias Edinger Wolfgang Herr Matthias Grube	Burkitt leukemia (BL) represents a highly aggressive lymphoma characterized by proliferation rates of around 100%, and a frequent spread into the central nervous system. If standard frontline chemotherapy fails, the prognosis is usually dismal, and reports on successful effective salvage therapy strategies for patients with relapsed/refractory BL are scant. Here, we report on a 40-year-old female patient who suffered an early relapse of BL three months after the completion of frontline...	pmid:36051076 pmc:PMC9422005 doi:10.1002/jha2.501	Fri, 02 Sep 2022 06:00:00 -0400
49	pubmed:36051079	Targetable alterations in primary extranodal diffuse large B-cell lymphoma	Stephanie E Weissinger Rucha Dugge Miriam Disch Thomas F Barth Johannes Bloehdorn Malena Zahn Ralf Marienfeld Andreas Viardot Peter Möller	Primary extranodal diffuse large B-cell lymphoma (PE-DLBCL) is a heterogeneous subgroup of DLBCL. We investigated the prevalence and prognostic value of surface expression of PD-L1, PD1, and CD30, copy number of 9p24.1 (PD-L1 region), and mutations in MYD88, CD79B, CARD11, and BTK in a cohort of 116 patients, localized in the mediastinum (PMBL, n = 12), ear, nose and throat (ENT, n = 28), central nervous system (n = 29), testis (n = 7), breast (n = 4), stomach (n = 10), bone (n = 8), spleen (n =...	pmid:36051079 pmc:PMC9421950 doi:10.1002/jha2.428	Fri, 02 Sep 2022 06:00:00 -0400
50	pubmed:36051133	Longitudinal changes in personalized platelet count metrics are good indicators of initial 3-year outcome in colorectal cancer	Zoltan Herold Magdolna Herold Julia Lohinszky Attila Marcell Szasz Magdolna Dank Aniko Somogyi	CONCLUSION: LMR, NLR, and HPR are good metrics to follow the prognosis of the disease. pPLT(D) and pPLT(S) perform just as well as the former, while the use of RPR and PLR with the course of the disease is not recommended. Early detection of the abnormal changes in pPLT(D), pPLT(S), LMR, NLR, or HPR may alert the practicing oncologist for further therapy decisions in a timely manner.	pmid:36051133 pmc:PMC9297428 doi:10.12998/wjcc.v10.i20.6825	Fri, 02 Sep 2022 06:00:00 -0400
51	pubmed:36051172	The Diagnostic and Treatment Challenges of Concomitant Mantle Cell Lymphoma and IgM Myeloma	Dhairya Gor Rohan Mehta David Greenberg Evgeniya Angelova	It is rare for IgM multiple myeloma (MM) and mantle cell lymphoma (MCL) to coexist. Furthermore, it is challenging to demonstrate if there are two distinct types of neoplasia or if plasma cell differentiation of MCL is present. We discuss the case of a patient concomitantly diagnosed with MCL and IgM MM, and the subsequent diagnostic and management difficulties, and the positive treatment outcome.	pmid:36051172 pmc:PMC9426968 doi:10.12890/2022_003463	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
52	pubmed:36051248	Rescue of the Congenital Hereditary Endothelial Dystrophy Mouse Model by Adeno-Associated Viruse-Mediated *Slc4a11* Replacement	Rajalekshmy Shyam Diego G Ogando Edward T Kim Subashree Murugan Moonjung Choi Joseph A Bonanno	CONCLUSIONS: Functional rescue of CHED phenotypes in the Slc4a11 ^(-/-) mouse is possible; however, early intervention is critical.	pmid:36051248 pmc:PMC9432820 doi:10.1016/j.xops.2021.100084	Fri, 02 Sep 2022 06:00:00 -0400
53	pubmed:36051251	Pharmacologic Therapies for Non-Muscle Invasive Bladder Cancer: Current and Future Treatments	Ilana P Goldberg Benjamin Lichtbroun Eric A Singer Saum Ghodoussipour	Bladder cancer is the sixth most common malignancy in the United States and 70% of cases are non-muscle invasive at the time of diagnosis. Effective treatment is crucial to prevent progression, which occurs in about 30% of patients. The American Urological Association (AUA) guidelines recommend treatment of non-muscle invasive bladder cancer (NMIBC) with intravesical Bacille Calmette-Guerin (BCG) and chemotherapy. However, ongoing shortages and high rates of BCG unresponsiveness creates a major...	pmid:36051251 pmc:PMC9431226	Fri, 02 Sep 2022 06:00:00 -0400
54	pubmed:36051285	Case report: Transplantation of human induced pluripotent stem cell-derived cardiomyocyte patches for ischemic cardiomyopathy	Shigeru Miyagawa Satoshi Kainuma Takuji Kawamura Kota Suzuki Yoshito Ito Hiroko Iseoka Emiko Ito Maki Takeda Masao Sasai Noriko Mochizuki-Oda Tomomi Shimamoto Yukako Nitta Hiromi Dohi Tadashi Watabe Yasushi Sakata Koichi Toda Yoshiki Sawa	Despite major therapeutic advances, heart failure, as a non-communicable disease, remains a life-threatening disorder, with 26 million patients worldwide, causing more deaths than cancer. Therefore, novel strategies for the treatment of heart failure continue to be an important clinical need. Based on preclinical studies, allogenic human induced pluripotent stem cell-derived cardiomyocyte (hiPSC-CM) patches have been proposed as a potential therapeutic candidate for heart failure. We report the...	pmid:36051285 pmc:PMC9426776 doi:10.3389/fcvm.2022.950829	Fri, 02 Sep 2022 06:00:00 -0400
55	pubmed:36051344	Activation of natural killer T cells contributes to Th1 bias in the murine liver after 14 d of ethinylestradiol exposure	Meng-Zhi Zou Wei-Chao Kong Heng Cai Meng-Tao Xing Zi-Xun Yu Xin Chen Lu-Yong Zhang Xin-Zhi Wang	CONCLUSION: Hepatic NKT cells play a pathogenic role in EE-induced intrahepatic cholestasis. Our research improves the understanding of intrahepatic cholestasis by revealing the hepatic immune microenvironment and also provides a potential clinical treatment by regulating iNKT cells.	pmid:36051344 pmc:PMC9331528 doi:10.3748/wjg.v28.i26.3150	Fri, 02 Sep 2022 06:00:00 -0400
56	pubmed:36051387	Effects of *PPARD* gene variants on the therapeutic responses to exenatide in chinese patients with type 2 diabetes mellitus	Jinfang Song Na Li Ruonan Hu Yanan Yu Ke Xu Hongwei Ling Qian Lu Tingting Yang Tao Wang Xiaoxing Yin	CONCLUSION: These data suggest that the PPARD rs2016520 and rs3777744 polymorphisms are associated with exenatide monotherapy efficacy, due to the pivotal role of PPAR in regulating insulin resistance through affecting the expression of GLP-1R. This study was registered in the Chinese Clinical Trial Register (No. ChiCTR-CCC13003536).	pmid:36051387 pmc:PMC9424689 doi:10.3389/fendo.2022.949990	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
57	pubmed:36051395	Potential cellular endocrinology mechanisms underlying the effects of Chinese herbal medicine therapy on asthma	Zeyu Meng Huize Chen Chujun Deng Shengxi Meng	Asthma is a complex syndrome with polygenetic tendency and multiple phenotypes, which has variable expiratory airflow limitation and respiratory symptoms that vary over time and in intensity. In recent years, continuous industrial development has seriously impacted the climate and air quality at a global scale. It has been verified that climate change can induce asthma in predisposed individuals and that atmospheric pollution can exacerbate asthma severity. At present, a subset of patients is...	pmid:36051395 pmc:PMC9424672 doi:10.3389/fendo.2022.916328	Fri, 02 Sep 2022 06:00:00 -0400
58	pubmed:36051424	Elevated levels of fructosamine are independently associated with SARS-CoV-2 reinfection: A 12-mo follow-up study	Xiao-Yan Huang Li-Juan Yang Xiang Hu Xing-Xing Zhang Xiao Gu Lin-Jia Du Zhi-Ying He Xue-Jiang Gu	CONCLUSION: Elevated levels of FMN are independently associated with SARS-CoV-2 reinfection, which highlights that patients with elevated FMN should be cautiously monitored after hospital discharge.	pmid:36051424 pmc:PMC9329841 doi:10.4239/wjd.v13.i7.543	Fri, 02 Sep 2022 06:00:00 -0400
59	pubmed:36051466	ENTPD1/CD39 as a predictive marker of treatment response to gemogenovatucel-T as maintenance therapy in newly diagnosed ovarian cancer	Rodney P Rocconi Laura Stanbery Min Tang Adam Walter Bradley J Monk Thomas J Herzog Robert L Coleman Luisa Manning Gladice Wallraven Staci Horvath Ernest Bognar Neil Senzer Scott Brun John Nemunaitis	CONCLUSION: NSA should be considered for application to investigational targeted therapies in order to identify populations most likely to benefit from treatment, in preparation for efficacy conclusive trials.	pmid:36051466 pmc:PMC9424215 doi:10.1038/s43856-022-00163-y	Fri, 02 Sep 2022 06:00:00 -0400
60	pubmed:36051659	Endoplasmic-reticulum-stress-induced lipotoxicity in human kidney epithelial cells	Tuçe Çeker Çaatay Ylmaz Esma Krmloglu Mutay Aslan	Accumulation of lipids and their intermediary metabolites under endoplasmic reticulum (ER) stress instigates metabolic failure, described as lipotoxicity, in the kidney. This study aimed to determine ER-stress-related sphingolipid and polyunsaturated fatty acid (PUFA) changes in human kidney cells. Tunicamycin (TM) was employed to induce ER stress and an ER stress inhibitor, tauroursodeoxycholic acid (TUDCA), was given to minimize cytotoxicity. Cell viability was determined by MTT assay....	pmid:36051659 pmc:PMC9424710 doi:10.1093/toxres/tfac041	Fri, 02 Sep 2022 06:00:00 -0400
61	pubmed:36051694	Computational Analysis of Deleterious SNPs in *NRAS* to Assess Their Potential Correlation With Carcinogenesis	Mohammed Y Behairy Mohamed A Soltan Mohamed S Adam Ahmed M Refaat Ehab M Ezz Sarah Albogami Eman Fayad Fayez Althobaiti Ahmed M Gouda Ashraf E Sileem Mahmoud A Elfaky Khaled M Darwish Muhammad Alaa Eldeen	The NRAS gene is a well-known oncogene that acts as a major player in carcinogenesis. Mutations in the NRAS gene have been linked to multiple types of human tumors. Therefore, the identification of the most deleterious single nucleotide polymorphisms (SNPs) in the NRAS gene is necessary to understand the key factors of tumor pathogenesis and therapy. We aimed to retrieve NRAS missense SNPs and analyze them comprehensively using sequence and structure approaches to determine the most deleterious...	pmid:36051694 pmc:PMC9424727 doi:10.3389/fgene.2022.872845	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
62	pubmed:36051735	Generalized Granuloma Annulare Associated With Dupilumab Therapy	Kendall Phelps-Polirer Bailey L Alkhatib Charles Davis	Atopic dermatitis is a condition characterized by xerotic and pruritic skin. While the onset of the disease is usually in childhood, it may persist into adulthood. First-line treatments include adequate moisturization, avoidance of irritants, and the application of topical corticosteroids. Dupilumab is a biologic therapy, approved for moderate-to-severe atopic dermatitis, that dampens the pruritus sensation by inhibiting the downstream effects of the T helper cell type 2 pathway by binding to...	pmid:36051735 pmc:PMC9420399 doi:10.7759/cureus.27439	Fri, 02 Sep 2022 06:00:00 -0400
63	pubmed:36051751	CDK4: a master regulator of the cell cycle and its role in cancer	Stacey J Baker Poulikos I Poulikakos Hanna Y Irie Samir Parekh E Premkumar Reddy	The cell cycle is regulated in part by cyclins and their associated serine/threonine cyclin-dependent kinases, or CDKs. CDK4, in conjunction with the D-type cyclins, mediates progression through the G(1) phase when the cell prepares to initiate DNA synthesis. Although Cdk4-null mutant mice are viable and cell proliferation is not significantly affected in vitro due to compensatory roles played by other CDKs, this gene plays a key role in mammalian development and cancer. This review discusses...	pmid:36051751 pmc:PMC9426627 doi:10.18632/genesandcancer.221	Fri, 02 Sep 2022 06:00:00 -0400
64	pubmed:36051855	Nanotechnology Advances in the Detection and Treatment of Cancer: An Overview	Sareh Mosleh-Shirazi Milad Abbasi Mohammad Reza Moaddeli Ahmad Vaez Mostafa Shafiee Seyed Reza Kasaee Ali Mohammad Amani Saeid Hatam	Over the last few years, progress has been made across the nanomedicine landscape, in particular, the invention of contemporary nanostructures for cancer diagnosis and overcoming complexities in the clinical treatment of cancerous tissues. Thanks to their small diameter and large surface-to-volume proportions, nanomaterials have special physicochemical properties that empower them to bind, absorb and transport high-efficiency substances, such as small molecular drugs, DNA, proteins, RNAs, and...	pmid:36051855 pmc:PMC9428923 doi:10.7150/ntno.74613	Fri, 02 Sep 2022 06:00:00 -0400
65	pubmed:36051886	Single-cell transcriptomics of neuroblastoma identifies chemoresistance-associated genes and pathways	Marianna Avitabile Ferdinando Bonfiglio Vincenzo Aievola Sueva Cantalupo Teresa Maiorino Vito Alessandro Lasorsa Cinzia Domenicotti Barbara Marengo Heger Zbynk Adam Vojtch Achille Iolascon Mario Capasso	High-Risk neuroblastoma (NB) survival rate is still	pmid:36051886 pmc:PMC9418686 doi:10.1016/j.csbj.2022.08.031	Fri, 02 Sep 2022 06:00:00 -0400
66	pubmed:36052043	Influence of Autologous Bone Marrow Stem Cell Therapy on the Levels of Inflammatory Factors and Conexin43 of Patients with Moyamoya Disease	Liming Zhao Tianxiao Li Bingqian Xue Hao Liang Shao Zhang Ruiyu Wu Gaochao Guo Tao Gao Yang Liu Yuxue Sun Chaoyue Li	Moyamoya disease is a medical condition that shows the typical characteristics like continuous and chronic thickening of the walls and the contraction of the internal carotid artery; as a result, the internal diameter of the artery gets narrowed. There are six phases of the disease ranging from I to VI (moyamoya vessels completely disappear, followed by the complete blockage of the arteries). Surgery is a commonly recommended treatment for the moyamoya disease. Our research study identifies the...	pmid:36052043 pmc:PMC9427228 doi:10.1155/2022/7620287	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
67	pubmed:36052059	Identification of OTUD6B as a new biomarker for prognosis and immunotherapy by pan-cancer analysis	Guang Zhao Dingli Song Jie Wu Sanhu Yang Sien Shi Xiaohai Cui Hong Ren Boxiang Zhang	CONCLUSIONS: The study indicated that OTUD6B is an oncogene and may serve as a new potential biomarker in various tumors. OTUD6B may play a part in TIME, which could be applied as a new target for cancer therapy.	pmid:36052059 pmc:PMC9425067 doi:10.3389/fimmu.2022.955091	Fri, 02 Sep 2022 06:00:00 -0400
68	pubmed:36052072	Advanced Cell Therapies for Glioblastoma	Guangwen Wang Wenshi Wang	The sheer ubiquity of Gioblastoma (GBM) cases would lead you to believe that there should have been many opportunities for the discovery of treatments to successfully render it into remission. Unfortunately, its persistent commonality is due in large part to the fact that it is the most treatment-resistant tumors in adults. That completely changes the treatment plan of attack. Long established and accepted treatment therapies such as surgical resection, radiation, and aggressive chemotherapy,...	pmid:36052072 pmc:PMC9425637 doi:10.3389/fimmu.2022.904133	Fri, 02 Sep 2022 06:00:00 -0400
69	pubmed:36052080	Mining the multifunction of mucosal-associated invariant T cells in hematological malignancies and transplantation immunity: A promising hexagon soldier in immunomodulatory	Meng-Ge Gao Xiao-Su Zhao	Mucosal-associated invariant T (MAIT) cells are evolutionarily conserved innate-like T cells capable of recognizing bacterial and fungal ligands derived from vitamin B biosynthesis. Under different stimulation conditions, MAIT cells can display different immune effector phenotypes, exerting immune regulation and anti-/protumor responses. Based on basic biological characteristics, including the enrichment of mucosal tissue, the secretion of mucosal repair protective factors (interleukin-17,...	pmid:36052080 pmc:PMC9427077 doi:10.3389/fimmu.2022.931764	Fri, 02 Sep 2022 06:00:00 -0400
70	pubmed:36052082	The time window for the reversal of depigmentation from aggravation to recovery in a non-small-cell lung cancer patient with pre-existing vitiligo using anti-programmed cell death-1 therapy: A case report	Zhiru Gao Yinghui Xu Jianjiao Zu Xu Wang Chao Sun Shi Qiu Ye Guo Kewei Ma	Immune checkpoint inhibitors have made remarkable breakthroughs in the treatment of lung cancer, bringing significant survival benefits to the patients. A number of adverse events aggravated by immunotherapy in patients with pre-existing autoimmune diseases have been reported in the past, especially skin toxicity, such as rash, pruritus, erythema, and vitiligo. However, whether the exacerbated autoimmune disease is reversible and when it will return to its original state after immunotherapy...	pmid:36052082 pmc:PMC9424493 doi:10.3389/fimmu.2022.946829	Fri, 02 Sep 2022 06:00:00 -0400
71	pubmed:36052087	Nivolumab plus ipilimumab induced endocrinopathy and acute interstitial nephritis in metastatic sarcomatoid renal-cell carcinoma: A case report and review of literature	Christopher Hino Kevin Nishino Bryan Pham Won Jin Jeon Michael Nguyen Huynh Cao	The prognosis of sarcomatoid renal cell carcinoma has changed dramatically with the emergence of immune checkpoint inhibitors. Notably the use of nivolumab and ipilimumab combination therapy has demonstrated promising durable therapeutic response for patients with treatment-naïve sarcomatoid renal-cell carcinoma. We present a case of 45-year-old man with a history of metastatic sarcomatoid renal cell carcinoma treated with nivolumab plus ipilimumab who developed type 1 diabetes mellitus, adrenal...	pmid:36052087 pmc:PMC9425087 doi:10.3389/fimmu.2022.993622	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
72	pubmed:36052090	SIRGs score may be a predictor of prognosis and immunotherapy response for esophagogastric junction adenocarcinoma	Li-Ying OuYang Zi-Jian Deng Yu-Feng You Jia-Ming Fang Xi-Jie Chen Jun-Jie Liu Xian-Zhe Li Lei Lian Shi Chen	CONCLUSION: The SIRGs score may be a predictor of the prognosis and immune-therapy response for esophagogastric junction adenocarcinoma.	pmid:36052090 pmc:PMC9424497 doi:10.3389/fimmu.2022.977894	Fri, 02 Sep 2022 06:00:00 -0400
73	pubmed:36052121	Anti-PD-L1 immunoconjugates for cancer therapy: Are available antibodies good carriers for toxic payload delivering?	Andrea Zanello Massimo Bortolotti Stefania Maiello Andrea Bolognesi Letizia Polito	Immune checkpoint mechanisms are important molecular cell systems that maintain tolerance toward autoantigens in order to prevent immunity-mediated accidental damage. It is well known that cancer cells may exploit these molecular and cellular mechanisms to escape recognition and elimination by immune cells. Programmed cell death protein-1 (PD-1) and its natural ligand programmed cell death ligand-1 (PD-L1) form the PD-L1/PD-1 axis, a well-known immune checkpoint mechanism, which is considered an...	pmid:36052121 pmc:PMC9424723 doi:10.3389/fphar.2022.972046	Fri, 02 Sep 2022 06:00:00 -0400
74	pubmed:36052149	Comparison of Gene Editing versus a Neutrophil Elastase Inhibitor as Potential Therapies for *ELANE* Neutropenia	Vahagn Makaryan Merideth Kelley Breanna Fletcher Isabella Archibald Tanoya Poulsen David Dale	Heterozygous mutations in ELANE, the gene for neutrophil elastase, cause cyclic and congenital neutropenia through the programed cell death of neutrophil progenitors in the bone marrow. Granulocyte colony-stimulating factor is an effective therapy for these diseases, but alternative therapies are needed, especially for patients who do not respond well or are at high risk of developing myeloid malignancies. We developed an HL60 cell model for ELANE neutropenia and previously demonstrated that...	pmid:36052149 pmc:PMC9431957 doi:10.33696/immunology.4.129	Fri, 02 Sep 2022 06:00:00 -0400
75	pubmed:36052154	Light-activated gold nanorods for effective therapy of venous malformation	Yihong Jiang Junchao Liu Jinbao Qin Jiahao Lei Xing Zhang Zhijue Xu Weimin Li Xiaobing Liu Ruihua Wang Bo Li Xinwu Lu	Gold nanorods have been studied extensively in the field of tumor therapy but have not been explored in the treatment of venous malformation (VM), which is a common vascular disease in clinic practice lacking an effective therapeutic approach. Herein we reported a nanoplatform of CD31 antibody-conjugated gold nanorods for the photothermal therapy of venous malformation. We immobilized CD31 antibodies on gold nanorods using standard 1-ethyl-3-(3-dimethylaminopropyl) carbodiimide...	pmid:36052154 pmc:PMC9424588 doi:10.1016/j.mtbio.2022.100401	Fri, 02 Sep 2022 06:00:00 -0400
76	pubmed:36052158	Identification of a Prognostic Model Based on Immune Cell Signatures in Clear Cell Renal Cell Carcinoma	Xuezhong Shi Yali Niu Yongli Yang Nana Wang Mengyang Yuan Chaojun Yang Ani Dong Huili Zhu Xiaocan Jia	CONCLUSION: The ICS score model has higher predictive power for patients' prognosis and can instruct ccRCC patients in seeking suitable treatment.	pmid:36052158 pmc:PMC9427244 doi:10.1155/2022/1727575	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
77	pubmed:36052168	Perspectives and mechanisms for targeting ferroptosis in the treatment of hepatocellular carcinoma	Lanqing Li Xiaoqiang Wang Haiying Xu Xianqiong Liu Kang Xu	Ferroptosis is a novel process of regulated cell death discovered in recent years, mainly caused by intracellular lipid peroxidation. It is morphologically manifested as shrinking of mitochondria, swelling of cytoplasm and organelles, rupture of plasma membrane, and formation of double-membrane vesicles. Work done in the past 5 years indicates that induction of ferroptosis is a promising strategy in the treatment of hepatocellular carcinoma (HCC). System xc ^(-) /GSH/GPX4, iron metabolism, p53...	pmid:36052168 pmc:PMC9424770 doi:10.3389/fmolb.2022.947208	Fri, 02 Sep 2022 06:00:00 -0400
78	pubmed:36052217	CCL22-based peptide vaccines induce anti-cancer immunity by modulating tumor microenvironment	Inés Lecoq Katharina L Kopp Marion Chapellier Panagiotis Mantas Evelina Martinenaite Maria Perez-Penco Lars Rønn Olsen Mai-Britt Zocca Ayako Wakatsuki Pedersen Mads Hald Andersen	CCL22 is a macrophage-derived immunosuppressive chemokine that recruits regulatory T cells through the CCL22:CCR4 axis. CCL22 was shown to play a key role in suppressing anti-cancer immune responses in different cancer types. Recently, we showed that CCL22-specific T cells generated from cancer patients could kill CCL22-expressing tumor cells and directly influence the levels of CCL22 in vitro. The present study aimed to provide a rationale for developing a CCL22-targeting immunotherapy....	pmid:36052217 pmc:PMC9427044 doi:10.1080/2162402X.2022.2115655	Fri, 02 Sep 2022 06:00:00 -0400
79	pubmed:36052229	Clinical study of total bone marrow combined with total lymphatic irradiation pretreatment based on tomotherapy in hematopoietic stem cell transplantation of acute leukemia	Fanyang Kong Shuaipeng Liu Lele Liu Yifei Pi Yuntong Pei Dandan Xu Fei Jia Bin Han Yuexin Guo	CONCLUSION: The Allo-HSCT pretreatment regimen of total bone marrow combined with total lymphatic irradiation is safe and effective in the treatment of malignant hematological diseases. Total bone marrow combined with total lymphatic irradiation may completely replace total body irradiation, and the clinically observed incidence of acute toxicity is not high.	pmid:36052229 pmc:PMC9425557 doi:10.3389/fonc.2022.936985	Fri, 02 Sep 2022 06:00:00 -0400
80	pubmed:36052242	Therapeutic potential of NR4A1 in cancer: Focus on metabolism	Shan Deng Bo Chen Jiege Huo Xin Liu	Metabolic reprogramming is a vital hallmark of cancer, and it provides the necessary energy and biological materials to support the continuous proliferation and survival of tumor cells. NR4A1 is belonging to nuclear subfamily 4 (NR4A) receptors. NR4A1 plays diverse roles in many tumors, including melanoma, colorectal cancer, breast cancer, and hepatocellular cancer, to regulate cell growth, apoptosis, metastasis. Recent reports shown that NR4A1 exhibits unique metabolic regulating effects in...	pmid:36052242 pmc:PMC9424640 doi:10.3389/fonc.2022.972984	Fri, 02 Sep 2022 06:00:00 -0400
81	pubmed:36052243	Autophagy-related prognostic signature characterizes tumor microenvironment and predicts response to ferroptosis in gastric cancer	Haoran Li Bing Xu Jing Du Yunyi Wu Fangchun Shao Yan Gao Ping Zhang Junyu Zhou Xiangmin Tong Ying Wang Yanchun Li	CONCLUSIONS: Autophagy patterns are involved in TME diversity and complexity. Autophagy score can be used as an independent prognostic biomarker in GC patients and to predict the effect of immunotherapy and ferroptosis-based therapy. This might benefit individualized treatment for GC.	pmid:36052243 pmc:PMC9424910 doi:10.3389/fonc.2022.959337	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
82	pubmed:36052247	Effectiveness of PARP inhibition in enhancing the radiosensitivity of 3D spheroids of head and neck squamous cell carcinoma	Chumin Zhou Maria Rita Fabbrizi Jonathan R Hughes Gabrielle J Grundy Jason L Parsons	A critical risk factor for head and neck squamous cell carcinoma (HNSCC), particularly of the oropharynx, and the response to radiotherapy is human papillomavirus (HPV) type-16/18 infection. Specifically, HPV-positive HNSCC display increased radiosensitivity and improved outcomes, which has been linked with defective signalling and repair of DNA double-strand breaks (DSBs). This differential response to radiotherapy has been recapitulated in vitro using cell lines, although studies utilising...	pmid:36052247 pmc:PMC9424551 doi:10.3389/fonc.2022.940377	Fri, 02 Sep 2022 06:00:00 -0400
83	pubmed:36052251	Minimal residual disease detection by next-generation sequencing in multiple myeloma: Promise and challenges for response-adapted therapy	Valeria Ferla Elena Antonini Tommaso Perini Francesca Farina Serena Masottini Simona Malato Sarah Marktel Maria Teresa Lupo Stanghellini Cristina Tresoldi Fabio Ciceri Magda Marcatti	Assessment of minimal residual disease (MRD) is becoming a standard diagnostic tool for curable hematological malignancies such as chronic and acute myeloid leukemia. Multiple myeloma (MM) remains an incurable disease, as a major portion of patients even in complete response eventually relapse, suggesting that residual disease remains. Over the past decade, the treatment landscape of MM has radically changed with the introduction of new effective drugs and the availability of immunotherapy,...	pmid:36052251 pmc:PMC9426755 doi:10.3389/fonc.2022.932852	Fri, 02 Sep 2022 06:00:00 -0400
84	pubmed:36052257	Immune checkpoint inhibitor-related pneumonitis in non-small cell lung cancer: A review	Yuxuan Hao Xiaoye Zhang Li Yu	Immune checkpoint inhibitors (ICIs) have shown definite therapeutic effects in various types of cancers, especially non-small cell lung cancer (NSCLC). However, ICIs have unique side effects, called immune-related adverse events (irAEs), which can occur in various systems throughout the body. Among such irAEs, immune checkpoint inhibitor-related pneumonitis (ICI-P) is a fatal adverse reaction. In this review, we discussed the risk factors, pathogenesis, clinical characteristics, radiological...	pmid:36052257 pmc:PMC9424849 doi:10.3389/fonc.2022.911906	Fri, 02 Sep 2022 06:00:00 -0400
85	pubmed:36052259	Neoadjuvant Savolitinib targeted therapy stage IIIA-N2 primary lung adenocarcinoma harboring *MET* Exon 14 skipping mutation: A case report	Meng Fu Chun-Mei Feng Da-Qing Xia Zi-Mei Ji Huai-Ling Xia Na-Na Hu Zai-Jun Leng Wang Xie Yuan Fang Le-Jie Cao Jun-Qiang Zhang	MET exon 14 skipping mutation (METex14m) is rare and occurs in approximately 1-4% of all non-small cell lung cancer (NSCLC) patients and approximately 2.8% of resected stage I-III NSCLC patients. Savolitinib is an oral, potent and highly selective type Ib MET inhibitor, which has been shown to be promising activity and acceptable safety profile in patients with advanced NSCLC harboring METex14m. Most recently, many studies have been probing into the feasibility and efficacy of target therapy for...	pmid:36052259 pmc:PMC9424904 doi:10.3389/fonc.2022.954886	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
86	pubmed:36052261	Combinatorial delivery of CPI444 and vatalanib loaded on PEGylated graphene oxide as an effective nanoformulation to target glioblastoma multiforme: *In vitro* evaluation	Vishnu S Mishra Sachin Patil Puli Chandramouli Reddy Bimlesh Lochab	Glioblastoma multiforme (GBM) is known as the primary malignant and most devastating form of tumor found in the central nervous system of the adult population. The active pharmaceutical component in current chemotherapy regimens is mostly hydrophobic and poorly water-soluble, which hampers clinical implications. Nanodrug formulations using nanocarriers loaded with such drugs assisted in water dispersibility, improved cellular permeability, and drug efficacy at a low dose, thus adding to the...	pmid:36052261 pmc:PMC9426685 doi:10.3389/fonc.2022.953098	Fri, 02 Sep 2022 06:00:00 -0400
87	pubmed:36052269	Clinical analysis of 13 cases of primary squamous-cell thyroid carcinoma	Di Ou Chen Ni Jincao Yao Min Lai Chen Chen Yajiao Zhang Tian Jiang Tingting Qian Liping Wang Dong Xu	CONCLUSION: PSCTC is a malignant tumor with high malignancy and rapid clinical progression. Treatment options are mainly based on surgical resection and can be supplemented with radiotherapy and chemotherapy, but there is still a lack of a standardized treatment management system, and more cases and reports are needed to accumulate data.	pmid:36052269 pmc:PMC9424675 doi:10.3389/fonc.2022.956289	Fri, 02 Sep 2022 06:00:00 -0400
88	pubmed:36052284	Phosphatidylinositol 3-Kinase/Protein Kinase B/Mammalian Target of the Rapamycin Pathway-Related Protein Expression in Lung Squamous Cell Carcinoma and Its Correlation with Lymph Node Metastasis	Fang Shi Ling Li	The targeted therapy of lung squamous cell carcinoma (LSCC), a pathological type of non-small-cell lung cancer, is relatively lacking by contrast with lung adenocarcinoma. The overexpression or inhibition of intracellular signaling pathways leads to disease. To evaluate genes for a targeted therapy in LSCC, we analyzed PI3K pathway components in LSCC tissues and found elevated PI3K levels in LSCC tissues compared with adjacent counterparts. A comparison of PI3K levels in tissues with and without...	pmid:36052284 pmc:PMC9427249 doi:10.1155/2022/4537256	Fri, 02 Sep 2022 06:00:00 -0400
89	pubmed:36052307	MicroRNA-29b Suppresses Inflammation and Protects Blood-Brain Barrier Integrity in Ischemic Stroke	Xiaoqing Ma Ho Jun Yun Kenneth Elkin Yunliang Guo Yuchuan Ding Guangwen Li	CONCLUSION: Leukocytic miR-29b attenuates inflammatory response by augmenting BBB integrity through C1QTNF6, suggesting a novel miR-29b-based therapeutic therapy for ischemic stroke.	pmid:36052307 pmc:PMC9427322 doi:10.1155/2022/1755416	Fri, 02 Sep 2022 06:00:00 -0400
90	pubmed:36052339	Microglia-mediated neuroinflammation and neuroplasticity after stroke	Yuan Wang Rehana K Leak Guodong Cao	Stroke remains a major cause of long-term disability and mortality worldwide. The immune system plays an important role in determining the condition of the brain following stroke. As the resident innate immune cells of the central nervous system, microglia are the primary responders in a defense network covering the entire brain parenchyma, and exert various functions depending on dynamic communications with neurons, astrocytes, and other neighboring cells under both physiological or...	pmid:36052339 pmc:PMC9426757 doi:10.3389/fncel.2022.980722	Fri, 02 Sep 2022 06:00:00 -0400
91	pubmed:36052437	Corrigendum to Examining the Efficacy of Bright Light Therapy on Cognitive Function in Hematopoietic Stem Cell Transplant Survivors		No abstract	pmid:36052437 doi:10.1177/07487304221120697	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
92	pubmed:36052513	Extracellular vesicles and particles impact the systemic landscape of cancer	Serena Lucotti Candia M Kenific Haiying Zhang David Lyden	Intercellular cross talk between cancer cells and stromal and immune cells is essential for tumor progression and metastasis. Extracellular vesicles and particles (EVPs) are a heterogeneous class of secreted messengers that carry bioactive molecules and that have been shown to be crucial for this cell-cell communication. Here, we highlight the multifaceted roles of EVPs in cancer. Functionally, transfer of EVP cargo between cells influences tumor cell growth and invasion, alters immune cell...	pmid:36052513 doi:10.15252/embj.2021109288	Fri, 02 Sep 2022 06:00:00 -0400
93	pubmed:36052559	Arsenic trioxide-loaded nanoparticles enhance the chemosensitivity of gemcitabine in pancreatic cancer *via* the reversal of pancreatic stellate cell desmoplasia by targeting the AP4/galectin-1 pathway	Yue Zhao Hanming Yao Kege Yang Shiji Han Shangxiang Chen Yaqing Li Shaojie Chen Kaihong Huang Guoda Lian Jiajia Li	Pancreatic stellate cells (PSCs) constitute the fibrotic tumor microenvironment composed of the stroma matrix, which blocks the penetration of gemcitabine (GEM) in pancreatic adenocarcinoma (PDAC) and results in chemoresistance. We analyzed the expression of -SMA, collagen type I, and fibronectin by immunohistochemistry of pancreatic cancer tissues and demonstrated that the abundant interstitial stroma is associated with dismal survival. Two desmoplastic pancreatic tumor models are treated with...	pmid:36052559 doi:10.1039/d2bm01039a	Fri, 02 Sep 2022 06:00:00 -0400
94	pubmed:36052606	Oncocyte Membrane-Camouflaged Multi-Stimuli-Responsive Nanohybrids for Synergistic Amplification of Tumor Oxidative Stresses and Photothermal Enhanced Cancer Therapy	Feifei Zhang Chenglong Xin Zhichao Dai Heli Hu Qi An Fei Wang Zunfu Hu Yunqiang Sun Lu Tian Xiuwen Zheng	The combination of various therapeutic modalities has received considerable attention for improving antitumor performance. Herein, an innovative nanohybrid, namely CaO(2)@FePt-DOX@PDA@CM (CFDPM), was developed for synergistic chemotherapy/chemodynamic therapy/Ca^(2+) overloading-mediated amplification of tumor oxidative stress and photothermal enhanced cancer therapy. Camouflage of the 4T1 cell membrane enabled CFDPM to escape the immune surveillance and accumulate in the tumor tissue. Ca^(2+),...	pmid:36052606 doi:10.1021/acsami.2c11200	Fri, 02 Sep 2022 06:00:00 -0400
95	pubmed:36052705	3D matrix promotes cell dedifferentiation into colorectal cancer stem cells via integrin/cytoskeleton/glycolysis signaling	Tong Han Yuhong Jiang Xiaobo Wang Shuangya Deng Yongjun Hu Qianqian Jin Dongju Long Kuijie Liu	The potential for tumor occurrence triggered by cancer stem cells (CSCs) has emerged as a significant challenge for human colorectal cancer therapy. However, the underlying mechanism of CSC development remains controversial. Our study provided evidence that the bulk of tumor cells could dedifferentiate to CSCs and reacquire CSCs-like phenotypes if cultured in the presence of extracellular matrix reagents, such as Matrigel and fibrin gels. In these 3D gels, CD133^(-) colorectal cancer cells can...	pmid:36052705 doi:10.1111/cas.15548	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
96	pubmed:36052742	Dual near-infrared II laser modulates the cellular redox state of T cells and augments the efficacy of cancer immunotherapy	Wataru Katagiri Shinya Yokomizo Takanobu Ishizuka Keiko Yamashita Timo Kopp Malte Roessing Akiko Sato Taizo Iwasaki Hideki Sato Takeshi Fukuda Hailey Monaco Sophia Manganiello Shinsuke Nomura Mei Rosa Ng Susanne Feil Emiyu Ogawa Dai Fukumura Dmitriy N Atochin Hak Soo Choi Satoshi Kashiwagi	Immunotherapy, including immune checkpoint inhibitors, has revolutionized cancer treatment, but only a minor fraction of patients shows durable responses. A new approach to overcome this limitation is yet to be identified. Recently, we have shown that photobiomodulation (PBM) with near-infrared (NIR) light in the NIR-II window reduces oxidative stress and supports the proliferation of CD8^(+) T cells, suggesting that PBM with NIR-II light could augment anti-cancer immunity. Here, we report a...	pmid:36052742 doi:10.1096/fj.202200033R	Fri, 02 Sep 2022 06:00:00 -0400
97	pubmed:36052754	Refractory pemphigus vulgaris and high-intensity extracorporeal photopheresis: A case report	Yandy Marx Castillo-Aleman Antonio Alfonso Bencomo-Hernandez Yendry Ventura-Carmenate Carlos Agustin Villegas-Valverde Rene Antonio Rivero-Jimenez ADSCC ECP Group	A 41-year-old man with oral pemphigus vulgaris (PV) presented to our clinic with a history of no response to numerous immunosuppressant agents and was referred for extracorporeal photopheresis (ECP) therapy. Although the patient underwent a high-intensity ECP regimen for five months, which included two different photopheresis systems, his oral dysesthesia continued to interfere with oral intake, leading to continued weight loss and other adverse events. The intervention was associated with...	pmid:36052754 doi:10.1111/phpp.12834	Fri, 02 Sep 2022 06:00:00 -0400
98	pubmed:36052757	Peripheral blood CD4^{+} T cell count predicts recurrence of condyloma acuminatum after photodynamic therapy in HIV-positive patients	Li Gu Shu Zhou Zhinan Shi Xiaoyu Zhai Liqun Gu Bingrong Zhou Hui Hua	CONCLUSIONS: Peripheral blood CD4^(+) T cell count can predict the CA recurrence rate after ALA-PDT in HIV-positive patients.	pmid:36052757 doi:10.1111/phpp.12832	Fri, 02 Sep 2022 06:00:00 -0400
99	pubmed:36052887	The growing field of immunometabolism and exercise: Key findings in the last 5 years	Camila S Padilha Ana E Von Ah Morano Karsten Krüger José C Rosa-Neto Fabio S Lira	This perspective review highlights the impact of physical exercise on immunometabolic responses in the past 5 years. Understanding immunometabolism as a part of immunological research is essential. Furthermore, the roles of both acute and chronic effects of physical exercise on health, aging, and chronic diseases in immunometabolic changes should be elaborated. In immune cells, 2 adrenergic signaling stimulates the preferential mobilization of inflammatory phenotypes, such as CD16^(+) monocytes...	pmid:36052887 doi:10.1002/jcp.30866	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
100	pubmed:36052997	Crosstalk between AML and stromal cells triggers acetate secretion through the metabolic rewiring of stromal cells	Nuria Vilaplana-Lopera Vincent Cuminetti Ruba Almaghrabi Grigorios Papatzikas Ashok Kumar Rout Mark Jeeves Elena González Yara Alyahyawi Alan Cunnigham Ayegüll Erdem Frank Schnütgen Manoj Raghavan Sandeep Potluri Jean-Baptiste Cazier Jan Jacob Schuringa Michelle A C Reed Lorena Arranz Ulrich Günther Paloma Garcia	Acute myeloid leukaemia (AML) cells interact and modulate components of their surrounding microenvironment into their own benefit. Stromal cells have been shown to support AML survival and progression through various mechanisms. Nonetheless, whether AML cells could establish beneficial metabolic interactions with stromal cells is underexplored. By using a combination of human AML cell lines and AML patient samples together with mouse stromal cells and a MLL-AF9 mouse model, here we identify a...	pmid:36052997 doi:10.7554/eLife.75908	Fri, 02 Sep 2022 06:00:00 -0400
101	pubmed:36053135	Formosanin C induces autophagy-mediated apoptosis in multiple myeloma cells through the PI3K/AKT/mTOR signaling pathway	Ping Chen Sungui Wu Xiaoqing Dong Min Zhou Peipei Xu Bing Chen	CONCLUSION: Our findings indicate that FC exhibits an anti-MM effect by activating cell autophagy through the PI3K/AKT/mTOR signaling pathway.	pmid:36053135 doi:10.1080/16078454.2022.2117126	Fri, 02 Sep 2022 06:00:00 -0400
102	pubmed:36053163	Hyaluronan Brush-like Copolymers Promote CD44 Declustering in Breast Cancer Cells	Ana M Carvalho Jesus Valcarcel Diana Soares da Costa Marisa Gomes José Antonio Vázquez Rui L Reis Ramon Novoa-Carballal Iva Pashkuleva	We report on the synthesis of hyaluronan (HA) brush-like copolymers and their application as antagonists of tumorigenic CD44-HA interactions. HA (4.8 kDa, ca. 24 saccharides) was grafted on 2-hydrohyethyl methacrylate (HEMA) by end-on oxime ligation. The obtained copolymers were compared with low and high molecular weight HA in terms of hydrolysis kinetics in the presence of hyaluronidase (isothermal titration calorimetry) and interactions with CD44 (surface plasmon resonance). The results...	pmid:36053163 doi:10.1021/acsami.2c11864	Fri, 02 Sep 2022 06:00:00 -0400
103	pubmed:36053203	Clinical Trial Development in TP53-Mutated Locally Advanced and Recurrent/Metastatic Head and Neck Squamous Cell Carcinoma	Cristina P Rodriguez Hyunseok Kang Jessica L Geiger Barbara Burtness Christine H Chung Curtis R Pickering Carole Fakhry Quynh Thu Le Sue S Yom Thomas J Galloway Erica Golemis Alice Li Jeffrey Shoop Stuart Wong Ranee Mehra Heath Skinner Nabil F Saba Elsa R Flores Jeffrey N Myers James M Ford Rachel Karchin Robert L Ferris Charles Kunos Jean M Lynn Shakun Malik	TP53 mutation is the most frequent genetic event in head and neck squamous cell carcinoma (HNSCC), found in over 80% of patients with HPV-negative disease. As mutations in the TP53 gene are associated with worse outcomes in HNSCC, novel therapeutic approaches are needed for patients with TP53 mutated tumors. The National Cancer Institute (NCI) sponsored a Clinical Trials Planning Meeting (CTPM) to address the issues of identifying and developing clinical trials for patients with TP53 mutations....	pmid:36053203 doi:10.1093/jnci/djac163	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
104	pubmed:36053276	Small-molecule inhibition of the acyl-lysine reader ENL as a strategy against acute myeloid leukemia	Yiman Liu Qinglan Li Fatemeh Alikarami Declan R Barrett Leila Mahdavi Hangpeng Li Sylvia Tang Tanweer A Khan Mayako Michino Connor Hill Lele Song Lu Yang Yuanyuan Li Sheela Pangeni Pokharel Andrew W Stamford Nigel Liverton Louis M Renzetti Simon Taylor Gillian F Watt Tammy Ladduwahetty Stacia Kargman Peter T Meinke Michael A Foley Junwei Shi Haitao Li Martin Carroll Chun-Wei Chen Alessandro Gardini Ivan Maillard David J Huggins Kathrin M Bernt Liling Wan	The chromatin reader eleven-nineteen-leukemia (ENL) has been identified as a critical dependency in AML, but its therapeutic potential remains unclear. We describe a potent and orally bioavailable small-molecule inhibitor of ENL, TDI-11055, which displaces ENL from chromatin by blocking its YEATS domain interaction with acylated histones. Cell lines and primary patient samples carrying MLL rearrangements or NPM1 mutations are responsive to TDI-11055. A CRISPR-Cas9-mediated mutagenesis screen...	pmid:36053276 doi:10.1158/2159-8290.CD-21-1307	Fri, 02 Sep 2022 06:00:00 -0400
105	pubmed:36053290	PD-L1 antibody enhanced -glucan antitumor effects via blockade of the immune checkpoints in a melanoma model	Xin Hu Yifang Shui Hiroshi Hirano Kisato Kusano Wen-Zhi Guo Masayuki Fujino Xiao-Kang Li	In the tumor microenvironment (TME), one of the major functions of tumor-recruited CD11b^(+) cells are the suppression of the T-cell-mediated anti-tumor immune response. -glucan could convert the phenotype of tumor-recruited CD11b^(+) cells from the suppressive to the promotive, and enhanced their anti-tumor effects. However, -glucan could enhance the PD-1/PD-L1 expression on CD11b^(+) cells, while PD-1 could inhibit macrophage phagocytosis and PD-L1 could induce a co-inhibitory signal in...	pmid:36053290 doi:10.1007/s00262-022-03276-4	Fri, 02 Sep 2022 06:00:00 -0400
106	pubmed:36053318	Discovery of a Novel G-Quadruplex and Histone Deacetylase (HDAC) Dual-Targeting Agent for the Treatment of Triple-Negative Breast Cancer	Xin-Chen Jiang Fang-Hai Tu Li-Yuan Wei Bo-Zheng Wang Hao Yuan Jing-Mei Yuan Yong Rao Shi-Liang Huang Qing-Jiang Li Tian-Miao Ou Hong-Gen Wang Jia-Heng Tan Shuo-Bin Chen Zhi-Shu Huang	The development of triple-negative breast cancer (TNBC) is highly associated with G-quadruplex (G4); thus, targeting G4 is a potential strategy for TNBC therapy. Because concomitant histone deacetylases (HDAC) inhibition could amplify the impact of G4-targeting compounds, we designed and synthesized two novel series of G4/HDAC dual-targeting compounds by connecting the zinc-binding pharmacophore of HDAC inhibitors to the G4-targeting isaindigotone scaffold (1). Among the new compounds, a6 with...	pmid:36053318 doi:10.1021/acs.jmedchem.2c01058	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
107	pubmed:36053352	Comparative cytocompatibility of the new calcium silicate-based cement NeoPutty versus NeoMTA Plus and MTA on human dental pulp cells: an in vitro study	Ana Lozano-Guillén Sergio López-García Francisco Javier Rodríguez-Lozano José Luis Sanz Adrián Lozano Carmen Llena Leopoldo Forner	CONCLUSION: The results from the present work elucidate the adequate cytocompatibility of NeoPutty, NeoMTA Plus, and MTA Angelus towards human dental pulp cells.	pmid:36053352 doi:10.1007/s00784-022-04682-9	Fri, 02 Sep 2022 06:00:00 -0400
108	pubmed:36053389	The combined use of photobiomodulation and curcumin-loaded iron oxide nanoparticles significantly improved wound healing in diabetic rats compared to either treatment alone	Ahmadreza Ardeshirzadeh Houssein Ahmadi Mansooreh Mirzaei Hamidreza Omidi Atarodalsadat Mostafavinia Abdollah Amini Sahar Bayat Mohammadjavad Fridoni Sufan Chien Mohammad Bayat	This experimental study examined the effects of curcumin-loaded iron oxide nanoparticles (CUR), photobiomodulation (PBM), and CUR + PBM treatments on mast cells (MC)s numbers and degranulation, inflammatory cells (macrophages, neutrophils), and wound strength in the last step of the diabetic wound repair process (maturation phase) in a rat model of type one diabetes mellitus (T1DM). T1DM was induced in 24 rats, and 1 month later, an excisional wound was created on each rat's back skin. The rats...	pmid:36053389 doi:10.1007/s10103-022-03639-4	Fri, 02 Sep 2022 06:00:00 -0400
109	pubmed:36053462	Glial Response to Intranasal Mesenchymal Stem Cells in Intermittent Cuprizone Model of Demyelination	Davood Zarini Parichehr Pasbakhsh Maryam Shabani Sina Mojaverrostami Maedeh Hashemi Shiva Amirizadeh Jamal Majidpoor Ameneh Omidi Keywan Mortezaee Iraj Ragerdi Kashani	Intranasal mesenchymal stem cells (MSCs) delivery is a non-invasive method that has received interests for treatment of neurodegenerative diseases, such as multiple sclerosis (MS). The impact of intranasal MSCs on intermittent cuprizone model of demyelination was a focus of this study. C57/BL6 mice were fed with 0.3% cuprizone in an intermittent or single ways. Luxol fast blue (LFB), Rotarod test, quantitative real-time polymerase chain reaction (qRT-PCR), immunohistochemistry and western blot...	pmid:36053462 doi:10.1007/s12640-022-00556-w	Fri, 02 Sep 2022 06:00:00 -0400
110	pubmed:36053499	Cyclodextrin-Functionalized Gold Nanorods Loaded with Meclofenamic Acid for Improving N^6-Methyladenosine-Mediated Second Near-Infrared Photothermal Immunotherapy	Jianhua Liu Yue Song Yiqiao Wang Mingda Han Chunxi Wang Fei Yan	Cancer immunotherapy has achieved considerable clinical progress in recent years on account of its potential to treat metastatic tumors and inhibit recurrence. However, low patient response rates and dose-limiting toxicity are the major limitations of immunotherapy. Nanoparticle-based photothermal immunotherapy can amplify antitumor immune responses, although poor tumor penetration depth of near-infrared radiation (NIR) and the immunosuppressive tumor microenvironment significantly dampen its...	pmid:36053499 doi:10.1021/acsami.2c09978	Fri, 02 Sep 2022 06:00:00 -0400
111	pubmed:36053502	Phenotypic and functional characteristics of highly differentiated CD57 +NKG2C + NK cells in HIV-1-infected individuals	Anne B Kristensen Kathleen Wragg Hillary Vanderven Wen Shi Lee Julie Silvers Helen E Kent Michael D Grant Anthony D Kelleher Jennifer A Juno Stephen J Kent Matthew S Parsons	Natural killer (NK) cells are important anti-viral effector cells. The function and phenotype of the NK cells that constitute an individual's NK cell repertoire can be influenced by ongoing and/or previous viral infections. Indeed, infection with human cytomegalovirus (HCMV) drives the expansion of a highly differentiated NK cell population characterized by expression of CD57 and the activating NKG2C receptor. This NK cell population has also been noted to occur in HIV-1-infected individuals. We...	pmid:36053502 doi:10.1093/cei/uxac082	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
112	pubmed:36053534	Association of Male Hypogonadism With Risk of Hospitalization for COVID-19	Sandeep Dhindsa Cosette Champion Ekamjit Deol Matthew Lui Robert Campbell Jennifer Newman Aparna Yeggalam Srikanth Nadella Vaishaliben Ahir Ekta Shrestha Thomas Kannampallil Abhinav Diwan	CONCLUSIONS AND RELEVANCE: This study suggests that men with hypogonadism were more likely to be hospitalized after COVID-19 infection compared with those with eugonadism, independent of other known risk factors. This increased risk was not observed among men receiving adequate TTh. Screening and appropriate therapy for hypogonadism need to be evaluated as a strategy to prevent severe COVID-19 outcomes among men.	pmid:36053534 doi:10.1001/jamanetworkopen.2022.29747	Fri, 02 Sep 2022 06:00:00 -0400
113	pubmed:36053672	A bone morphogenetic protein signaling inhibitor, LDN193189, converts ischemia-induced multipotent stem cells into neural stem/progenitor cell-like cells	Yusuke Minato Akiko Nakano-Doi Seishi Maeda Takayuki Nakagomi Hideshi Yagi	Stem cell therapy is used to restore neurological function in stroke patients. We have previously reported that ischemia-induced multipotent stem cells (iSCs), which are likely derived from brain pericytes, develop in post-stroke human and mouse brains. Although we have demonstrated that iSCs can differentiate into neural lineage cells, the factors responsible for inducing this differentiation remain unclear. In this study, we found that LDN193189, a BMP inhibitor, caused irreversible changes in...	pmid:36053672 doi:10.1089/scd.2022.0139	Fri, 02 Sep 2022 06:00:00 -0400
114	pubmed:36053753	Megakaryopoiesis impairment through acute innate immune signaling activation by azacitidine	Ujunwa Cynthia Okoye-Okafor Komal K Javarappa Dimitrios Tsallos Joseph Saad Daozheng Yang Chi Zhang Lumie Benard Victor J Thiruthuvanathan Sally Cole Stephen Ruiz Madhuri Tatiparthy Gaurav Choudhary Stefanie DeFronzo Boris A Bartholdy Celine Pallaud Pedro Marques Ramos Aditi Shastri Amit Verma Caroline A Heckman Britta Will	Thrombocytopenia, prevalent in the majority of patients with myeloid malignancies, such as myelodysplastic syndrome (MDS) or acute myeloid leukemia (AML), is an independent adverse prognostic factor. Azacitidine (AZA), a mainstay therapeutic agent for stem cell transplant-ineligible patients with MDS/AML, often transiently induces or further aggravates disease-associated thrombocytopenia by an unknown mechanism. Here, we uncover the critical role of an acute type-I interferon (IFN-I) signaling...	pmid:36053753 doi:10.1084/jem.20212228	Fri, 02 Sep 2022 06:00:00 -0400
115	pubmed:36053778	TCRv-CART therapy mediates high precision targeting of malignant T-cell clones	Lauren Shaw Mathilde Poussin Alba Rodriguez Joshua T Eggold Nicholas G Minutolo Jie Wang Alain H Rook Stephen J Schuster Daniel J Powell	Peripheral T-cell lymphomas (PTCLs) are a heterogeneous group of lymphoid malignancies associated with poor prognosis due to ineffective treatment options and high rates of relapse. The success of chimeric antigen receptor T-cell (CART) therapy for certain hematological malignancies makes it an attractive treatment option for PTCLs. However, shared expression of potential target antigens by both malignant and healthy T cells poses a challenge. Current prospective CART approaches cause a high...	pmid:36053778 doi:10.1182/bloodadvances.2022008798	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
116	pubmed:36053810	Apatinib enhances chemosensitivity of ABT-199 in diffuse large B-cell lymphoma	Yuanfei Shi Jing Ye Huafei Shen Yi Xu Rui Wan Xiujin Ye Jie Jin Wanzhuo Xie	To investigate the effect of Apatinib (an inhibitor targeting VEGFR-2) enhances chemosensitivity of ABT-199 on diffuse large B-cell lymphoma (DLBCL). Viability assay and flow cytometric assay for determining apoptosis, cell cycle, mitochondrial membrane potential (MMP), reactive oxygen species (ROS), and immunoblotting were used to explore the combination effect in DLBCL cell lines, DLBCL patient samples, and DLBCL mouse models. RNA sequencing assay helped identify mechanisms of ABT-199 plus...	pmid:36053810 doi:10.1002/1878-0261.13309	Fri, 02 Sep 2022 06:00:00 -0400
117	pubmed:36053825	Converting Adults with Sickle Cell Disease from Full Agonist Opioids to Buprenorphine: A Reliable Method with Safety and Early Evidence of Reduced Acute Care Utilization	Mandy S David Jennifer Jones Ashley Lauriello Ijeoma Nnake Manuela Plazas Montana Kyra Lasko Carlos Buri-Nagua Yetunde Olagbaju Elizabeth Williams Matthew Sears Benjamin Salzberg Sophie M Lanzkron C Patrick Carroll	Buprenorphine, a novel opioid with complex pharmacology, is effective for treating pain and is qualitatively safer than high dose full agonist opioid therapy; but transitioning to buprenorphine can be technically complex and carries some risk of precipitated withdrawal. We report our clinic's experience converting 36 patients with sickle cell disease from full agonist opioids to buprenorphine using a method developed in the past ten years. Thirty of these patients were induced using a standard...	pmid:36053825 doi:10.1002/ajh.26699	Fri, 02 Sep 2022 06:00:00 -0400
118	pubmed:36053930	LINC00536 knockdown inhibits breast cancer cells proliferation, invasion, and migration through regulation of the miR-4282/centromere protein F axis	Mei-Feng Zhou Wei Wang Lin Wang Jin-Dian Tan	Breast cancer (BC) poses a huge threat to women's health. Growing evidence has shown lncRNAs play critical roles in BC progression. However, the effect of LINC00536 in BC remains unknown. LINC00536, miR-4282, and centromere protein F (CENPF) expressions in BC cells were determined using qPCR assay. Colony formation assay was employed to evaluate the cell proliferation of BC cells. Besides, cell migration and invasion were evaluated using the transwell assay. FISH assay was employed to analyze...	pmid:36053930 doi:10.1002/kjm2.12583	Fri, 02 Sep 2022 06:00:00 -0400
119	pubmed:36053975	Effector Th1 cells under PD-1 and CTLA-4 checkpoint blockade abrogate the upregulation of multiple inhibitory receptors and by-pass exhaustion	Utku Horzum Hamdullah Yanik Ekim Z Taskiran Gunes Esendagli	Immune checkpoint inhibitor (ICI) immunotherapy relies on the restoration of T-cell functions. The ICI receptors are not only found on exhausted T cells but also upregulated upon activation and reach high levels on effector T cells. In an ex vivo model, this study explored the consequences of PD-1 and cytotoxic T-lymphocyte antigen (CTLA-4) blockade applied during specific time frames of T-cell stimulation that coincide with distinct functional phases in type 1 helper T (Th1) cells. When applied...	pmid:36053975 doi:10.1111/imm.13560	Fri, 02 Sep 2022 06:00:00 -0400
120	pubmed:36054041	The Role of Surgery After Remission of Nonsystemic Extensive Periorbital Basal Cell Carcinoma Treated by Vismodegib: A Systematic Review	Delphine Peillex Léa Passemard Benoit Magnin Jacques Rouanet Nathalie Pham Dang	CONCLUSION: Vismodegib is a well-tolerated treatment for advanced periorbital BCC. The hedgehog signaling pathway inhibitor vismodegib is a potential treatment option in patients with these challenging tumors.	pmid:36054041 doi:10.1097/DSS.0000000000003508	Fri, 02 Sep 2022 06:00:00 -0400

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121	pubmed:36054146	Protective roles of cytoplasmic p21Cip1 /Waf1 in senolysis and ferroptosis of lung cancer cells	Akira Koyanagi Hitoshi Kotani Yuichi Iida Ryosuke Tanino Irna D Kartika Koji Kishimoto Mamoru Harada	CONCLUSION: Cytoplasmic p21, which was increased in therapy-induced senescent lung cancer cells, plays protective roles in senolysis and ferroptosis.	pmid:36054146 doi:10.1111/cpr.13326	Fri, 02 Sep 2022 06:00:00 -0400
122	pubmed:36054169	The incidence of chronic renal injury in patients undergoing autologous stem cell transplant therapy	Chloe Dawson Emma Palfreyman Robin Parisotto James D'Rozario	CONCLUSIONS: Our results indicate there is an increased incidence of chronic renal injury in patients who have undergone autologous PBSCT therapy and this injury is potentiated by the autologous stem cell transplant procedure. This article is protected by copyright. All rights reserved.	pmid:36054169 doi:10.1111/imj.15910	Fri, 02 Sep 2022 06:00:00 -0400
123	pubmed:36054172	R399E, a mutated form of Growth and Differentiation Factor 5, for disease modification of osteoarthritis	Anne Gigout Daniela Werkmann Stephanie Menges Christian Brenneis Frances Henson Kyra J Cowan Djordje Musil Christian S Thudium Hans Gühring Martin Michaelis Kerstin Kleinschmidt-Doerr	CONCLUSION: R399E influences several pathological processes contributing to OA, highlighting its potential as a disease-modifying therapy.	pmid:36054172 doi:10.1002/art.42343	Fri, 02 Sep 2022 06:00:00 -0400
124	pubmed:36054173	Hypoxia-targeting therapy for intestinal T-cell lymphoma in dogs: Preclinical study using 3D in vitro models	Hiroki Yamazaki Toshiyuki Tanaka Hidetaka Nishida Shingo Hatoya Hideo Akiyoshi	The transcription factor hypoxia-inducible factor 1 (HIF-1) is activated in response to oxygen deficiency, and is expressed in several cancers under intratumoral hypoxic stress that arises during pathogenic processes. Hypoxic stimulation enhanced the growth potential of canine lymphoma cells by activating the HIF-1 signalling pathway in a previously reported study. The aim of this study was to establish a molecular design strategy for a novel hypoxia-targeting therapy for intestinal T-cell...	pmid:36054173 doi:10.1111/vco.12855	Fri, 02 Sep 2022 06:00:00 -0400
125	pubmed:36054216	Characterization and optimization of polymer-polymer aqueous two-phase systems for the isolation and purification of CaCo2 cell-derived exosomes	Abril Torres-Bautista Mario A Torres-Acosta José González-Valdez	Exosomes are cell-derived vesicles that present attractive characteristics such as nano size and unique structure for their use as drug delivery systems for drug therapy, biomarkers for prognostic, diagnostic and personalized treatments. So far, one of the major challenges for therapeutic applications of exosomes is the development of optimized isolation methods. In this context, aqueous two-phase systems (ATPS) have been used as an alternative method to isolate biological molecules and...	pmid:36054216 doi:10.1371/journal.pone.0273243	Fri, 02 Sep 2022 06:00:00 -0400
126	pubmed:36054234	Efficacy of pp65-specific TCR-T cell therapy in treating cytomegalovirus infection after hematopoietic stem cell transplantation	Guangna Liu Hua Chen Xingyu Cao Lemei Jia Wei Rui Hongli Zheng Daosheng Huang Fang Liu Yue Liu Xueqiang Zhao Peihua Lu Xin Lin	Cytomegalovirus (CMV) infection remains a major cause of mortality after hematopoietic stem cell transplantation (HSCT). Current treatments, including anti-viral drugs and adoptive cell therapy with CMV-specific cytotoxic T lymphocytes (CTLs)only show limited benefits in patients. T-cell receptor (TCR)-T cell therapy offers a promising option to treat CMV infections. Here, using tetramer-based screening and single-cell TCR cloning technologies, we identified various CMV antigen-specific TCRs...	pmid:36054234 doi:10.1002/ajh.26708	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
127	pubmed:36054273	Fine-tuning the encapsulation of a photosensitizer in nanoparticles reveals the relationship between internal structure and phototherapeutic effects	Fumika Kubota None Satrialdi Yuta Takano Masatoshi Maeki Manabu Tokeshi Hideyoshi Harashima Yuma Yamada	Photodynamic therapy (PDT) is a cancer therapy that uses a photosensitizer (PS) in the presence of oxygen molecules. Since singlet oxygen is highly reactive, it is important to deliver it to the target site. Thus, an efficient drug delivery system (DDS) is essential for enhancing the efficacy of such a treatment and protecting against the side effects of PDT. Here, we report on attempts to increase the therapeutic effect of PDT by using a DDS, a lipid nanoparticle (LNP). We prepared a porphyrin...	pmid:36054273 doi:10.1002/jbio.202200119	Fri, 02 Sep 2022 06:00:00 -0400
128	pubmed:36054317	Survival Outcomes of Patients with Mycosis Fungoides Involving the External Ear and Ear Canal	Alex J Wilkinson Marc-Elie Nader Dianna Roberts Madeleine Duvic Jillian R Gunther Bouthaina S Dabaja Paul W Gidley	CONCLUSIONS: Involvement of the EAC by MF portends a poor prognosis. This finding highlights the need for a more in-depth otologic evaluation of patients with MF.	pmid:36054317 doi:10.1002/lary.30377	Fri, 02 Sep 2022 06:00:00 -0400
129	pubmed:36054406	Nigakinone alleviates DSS-induced experimental colitis via regulating bile acid profile and FXR/NLRP3 signaling pathways	Fangle Liu Yufeng Yao Qian Wang Fengxue Zhang Meiqi Wang Chenchen Zhu Chaozhan Lin	The correlation of bile acid (BA) metabolism disorder with the pathogenesis of ulcerative colitis (UC) is realized nowadays. Farnesoid X receptor (FXR), a controller for BA homeostasis and inflammation, is a promising target for UC therapy. Nigakinone has potential therapeutic effects on colitis. Herein, we investigated the anti-UC effects and mechanism of nigakinone in colitic animals induced by dextran sulfate sodium (DSS). The related targets involved in the nucleotide-binding oligomerization...	pmid:36054406 doi:10.1002/ptr.7588	Fri, 02 Sep 2022 06:00:00 -0400
130	pubmed:36054456	In vitro assessment of varying peptide surface density on the suppression of angiogenesis by micelles displaying v3 blocking peptides	Neha Phani Bhushan Trevor Stack Evan A Scott Kenneth R Shull Benjamin Mathew Divya Bijukumar	Ligand targeted therapy (LTT) is a precision medicine strategy that can selectively target diseased cells while minimizing off-target effects on healthy cells. Integrin-targeted LTT has been developed recently for angiogenesis-related diseases. However, the clinical success is based on the optimal design of the nanoparticles for inducing receptor clustering within the cell membrane. The current study focused on determining the surface density of Ser-Asp-Val containing anti-integrin heptapeptide...	pmid:36054456 doi:10.1002/jbm.b.35154	Fri, 02 Sep 2022 06:00:00 -0400
131	pubmed:36054475	Enzyme-Engineered Nonporous Copper(I) Coordination Polymer Nanoplatform for Cuproptosis-based Synergistic Cancer Therapy	Yuzhi Xu Si-Yang Liu Leli Zeng Hansu Ma Yanfei Zhang Huihui Yang Yuchen Liu Shuo Fang Jing Zhao Yunsheng Xu Charles R Ashby Yulong He Zong Dai Yihang Pan	Cuproptosis, a newly identified form of regulated cell death that is copper-dependent, offers great opportunities for exploring the use of copper-based nanomaterials inducing cuproptosis for cancer treatment. Here, we develop a glucose oxidase (GOx)-engineered nonporous copper(I) 1,2,4-triazolate ([Cu(tz)]) coordination polymer (CP) nanoplatform, denoted as GOx@[Cu(tz)], for starvation-augmented cuproptosis and photodynamic synergistic therapy. Importantly, the catalytic activity of GOx is...	pmid:36054475 doi:10.1002/adma.202204733	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
132	pubmed:36054490	Phase 1 Trial of CV301 in Combination with Anti-PD-1 Therapy in Non-Squamous Non-Small Cell Lung Cancer	Arun Rajan Jhanelle E Gray Siddhartha Devarakonda Ruemu Birhiray Borys Korchin Erika Menius Renee N Donahue Jeffrey Schlom James L Gulley	CV301, a poxviral-based vaccine, has been evaluated in a phase 1 clinical trial (NCT02840994) and shown to be safe and immunologically active (phase 1a). Preclinical data support a combination of CV301 with programmed death-1 inhibitors, which has been evaluated in the phase 1b part of this trial and is reported here. Patients with advanced non-squamous non-small cell lung cancer (NSCLC) without actionable genomic alterations received 2 priming doses of modified vaccine Ankara-BN-CV301 (MVA) 4...	pmid:36054490 doi:10.1002/ijc.34267	Fri, 02 Sep 2022 06:00:00 -0400
133	pubmed:36054506	Different clinical characteristics and survival between surgically resected pure and combined small cell lung cancer	Yujing Li Yanan Wang Wensheng Zhou Ya Chen Yuqing Lou Fangfei Qian Jun Lu Haohua Jiang Biao Xiang Yanwei Zhang Baohui Han Wei Zhang	CONCLUSIONS: Patients with C-SCLC have a poorer prognosis than P-SCLC patients. We determined that large cell neuroendocrine carcinoma was the most common additional component of C-SCLC, and patients with this component appeared to have a longer DFS and OS than other combined components.	pmid:36054506 doi:10.1111/1759-7714.14604	Fri, 02 Sep 2022 06:00:00 -0400
134	pubmed:36054580	Organ Transplant Status, Anatomic Location, and Age Impact Rates of Adnexal Involvement of Actinic Keratoses	Matthew W McEwen Mariantonieta Tirado Sonja Lipman Tejesh Patel Allison Jones	Actinic keratoses (AKs) are pre-malignant skin lesions that can give rise to squamous cell carcinomas. Involvement of adnexal structures by AKs has been postulated to confer resistance to therapy and facilitate malignant progression. In our study, we identified several factors associated with increased risk of adnexal involvement of AKs. We found an increased risk of follicular involvement in AKs on the head and neck, a slightly increased risk of eccrine involvement with increasing age, and an...	pmid:36054580 doi:10.1111/cup.14323	Fri, 02 Sep 2022 06:00:00 -0400
135	pubmed:36054652	Pulmonary Delivery of Levamisole Nanoparticles as an Immunomodulator Affecting Th and a Potential ADAM10 Inhibitor to Ameliorate Severe Allergic Asthma	Liping Fang Nasser Nikfarjam Mohammad Gharagozlou Tao Huang Yu Song Ziba Islambulchilar Abdolreza Esmaeilzadeh Davood Jafari Seyyed Shamsadin Athari	Asthma is a common chronic lung disease without absolute treatment, and hypersensitivity reactions and type 2 immune responses are responsible for asthma pathophysiology. ADAM10 as a metalloproteinase transmembrane protein is critical for development of Th2 responses, and levamisole as an anthelmintic drug has immunomodulatory effects, which not only regulates ADAM10 activity but also can suppress the bone marrow and neutrophil production. Therefore, in the present study, nanoparticles were used...	pmid:36054652 doi:10.1021/acsbiomaterials.2c00843	Fri, 02 Sep 2022 06:00:00 -0400
136	pubmed:36054706	Downregulation of miRNA-26 in chronic periodontitis interferes with innate immune responses and cell migration by targeting phospholipase C beta 1	Juhi R Uttamani Afsar R Naqvi Araceli Maria Valverde Estepa Varun Kulkarni Maria F Brambila Gloria Martínez Gabriela Chapa Christine D Wu Wei Li Sona Rivas-Tumanyan Salvador Nares	CONCLUSIONS: Downregulated miR-26a-5p levels in periodontal inflammation may interfere with key cellular functions that may have significant implications for host defence and wound healing.	pmid:36054706 doi:10.1111/jcpe.13715	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
137	pubmed:36054710	Nuclear AREG affects a low-proliferative phenotype and contributes to drug resistance of melanoma	Felix Seefried Lucia Haller Shinji Fukuda Aranya Thongmao Nadja Schneider Jochen Utikal Shigeki Higashiyama Anja Katrin Bosserhoff Silke Kuphal	AMPHIREGULIN (AREG) is a multifaceted molecule, which acts not only as an extracellular ligand for EGF receptor (EGFR), but also as an intracellular signalling molecule. It remains elusive, however, whether AREG has a tumour suppressive or oncogenic role in melanoma. Here, we found that several melanoma cell lines express AREG, but the expression does not correlate with that of EGFR. Recombinant AREG and the neutralizing antibody experiments showed that intracellular AREG plays an important role...	pmid:36054710 doi:10.1002/ijc.34254	Fri, 02 Sep 2022 06:00:00 -0400
138	pubmed:36054729	Lichen planus pemphigoides-like reaction to PD-1 checkpoint blockade	Margaret Wat Nicholas K Mollanazar Christoph T Ellebrecht Amy Forrestel Rosalie Elenitsas Emily Y Chu	CONCLUSIONS: Lichen planus pemphigoides is a distinct cutaneous toxicity to checkpoint inhibitor therapy illustrates a possible pathogenic mechanism and the importance of dermatopathology recognition to render an accurate diagnosis.	pmid:36054729 doi:10.1111/cup.14299	Fri, 02 Sep 2022 06:00:00 -0400
139	pubmed:36054748	Proteomic Investigation over the Antimicrobial Photodynamic Therapy Mediated by Rose Bengal Against Staphylococcus aureus	João Vitor de Oliveira Silva Jean Eduardo Meneguello Maíra Dante Formagio Camila Fabiano de Freitas Noboru Hioka Eduardo Jorge Pilau Rogério Marchiosi Miguel Machinski Junior Benicio Alves de Abreu Filho Paula Aline Zanetti Campanerut-Sá Jane Martha Graton Mikcha	In order, to understand the antimicrobial action of photodynamic therapy and how this technique can contribute to its application in the control of pathogens. The objective of the study was to employ a proteomic approach to investigate the protein profile of S. aureus after antimicrobial photodynamic therapy mediated by rose bengal (RB-aPDT). S. aureus was treated with RB (10 nmol/l) and illuminated with green LED (0.17 J/cm²) for cell viability evaluation. Afterward, proteomic analysis was...	pmid:36054748 doi:10.1111/php.13707	Fri, 02 Sep 2022 06:00:00 -0400
140	pubmed:36054774	Clinical outcomes and impact of therapeutic intervention in patients with acute myeloid leukemia who experience MRD recurrence following MRD-negative remission	Nicholas J Short Walid Macaron Tapan Kadia Courtney Dinardo Ghayas C Issa Naval Daver Sa Wang Jeff Jorgensen Daniel Nguyen Aram Bidikian Keyur P Patel Sanam Loghavi Marina Konopleva Musa Yilmaz Elias Jabbour Abhishek Maiti Hussein A Abbas Elizabeth Shpall Uday Popat Gheath Al-Atrash Sherry Pierce Hagop M Kantarjian Farhad Ravandi	No abstract	pmid:36054774 doi:10.1002/ajh.26698	Fri, 02 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
141	pubmed:36054794	The mitotic regulator polo-like kinase 1 as a potential therapeutic target for c-Myc-overexpressing canine osteosarcomas	Cecilia Gola Luca Licenziato Paolo Accornero Selina Iussich Emanuela Morello Paolo Buracco Paola Modesto Luca Aresu Raffaella De Maria	Osteosarcoma is the most common primary malignant bone tumour in dogs, characterized by a locally aggressive and highly metastatic behaviour. Despite the current standards of care, most dogs succumb to the disease, indicating the need for novel treatment strategies. Polo-like kinase 1 (PLK1) is dysregulated in a variety of human cancer types, including osteosarcoma, and induces c-Myc accumulation. The crosstalk between the two molecules coordinates cell proliferation, differentiation,...	pmid:36054794 doi:10.1111/vco.12854	Fri, 02 Sep 2022 06:00:00 -0400