cell therapy

	NCT Number	Title	Authors	Description	Identifier	Dates
1	pubmed:36057173	Updates on efficacy and safety outcomes of new and emerging disease modifying therapies and stem cell therapy for Multiple Sclerosis: A review	Sarah Peterson Amaris Jalil Katherine Beard Mihir Kakara Shitiz Sriwastava	Multiple Sclerosis (MS) is a chronic neurodegenerative autoimmune disorder of the central nervous system (CNS) and the most common cause of serious physical disability in working-age adults. Drug development and research in this field have rapidly evolved over the past two decades, leading to the broad array of treatment options available today. These disease-modifying therapies (DMTs) work through distinct mechanisms of action and exhibit varying safety and efficacy profiles to help manage...	pmid:36057173 doi:10.1016/j.msard.2022.104125	Sat, 03 Sep 2022 06:00:00 -0400
2	pubmed:36057223	Tannins in Terminalia bellirica inhibits hepatocellular carcinoma growth via re-educating tumor-associated macrophages and restoring $CD8^+$ T cell function	Zihao Chang Qiunan Zhang Qian Hu Yuqi Liu Lanzhen Zhang Runping Liu	Tumor-associated macrophages (TAMs) are the major immunosuppressive components infiltrating the tumor microenvironment (TME). Targeting TAMs has emerged as a promising strategy to remodel immunosuppressive TME and enhance T-cell mediated anti-tumor immunity for cancer therapy. In this study, we investigate the effect and mechanism of total tannin fraction of Terminalia bellirica (Gaertn.) Roxb. (TB-TF) against hepatocellular carcinoma (HCC) using established Hepa1-6 orthotopic mouse model and...	pmid:36057223 doi:10.1016/j.biopha.2022.113543	Sat, 03 Sep 2022 06:00:00 -0400
3	pubmed:36057262	Identification of immune subtypes to guide immunotherapy and targeted therapy in clear cell renal cell carcinoma	Chen Xu Yang Li Wei Su Zhenfan Wang Zheng Ma Lei Zhou Yongqiang Zhou Jianchun Chen Mingjun Jiang Ming Liu	Accumulating pieces of evidence suggested that immunotypes may indicate the overall immune landscape in the tumor microenvironment, which were closely related to therapeutic response. The purpose of this study was to classify and define the immune subtypes of clear cell renal cell carcinoma (ccRCC), so as to authenticate the potential immune subtypes that respond to immunotherapy. Transcriptome expression profile and mutation profile data of ccRCC, as well as clinical characteristics used in...	pmid:36057262 doi:10.18632/aging.204252	Sat, 03 Sep 2022 06:00:00 -0400
4	pubmed:36057319	Functional characterization of extracellular vesicles from baker's yeast Saccharomyces cerevisiae as a novel vaccine material for immune cell maturation	Ayaka Higuchi Masaki Morishita Ryoga Nagata Kento Maruoka Hidemasa Katsumi Akira Yamamoto	Extracellular vesicles (EVs) encapsulate various bioactive molecules, and much effort has been directed towards developing a novel EV-based therapy. Although recent studies reported the secretion of EVs from probiotics baker's yeast Saccharomyces cerevisiae (S. cerevisiae), their properties and functions remain obscure. The aim of this study was to clarify the usefulness of EVs from S. cerevisiae (S-EVs) as a novel vaccine material by defining their physicochemical properties and biological...	pmid:36057319 doi:10.1016/j.xphs.2022.08.032	Sat, 03 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
5	pubmed:36057363	Melanoma-targeted Photodynamic therapy based on Hypericin-loaded Multifunctional P123-spermine/folate Micelles	Ana Carolina Vieira de Oliveira Flávia Amanda Pedroso de Morais Katieli da Silva Souza Campanholi Danielle Lazarin Bidóia Rodolfo Bento Balbinot Celso Vataru Nakamura Wilker Caetano Noboru Hioka Odair Dos Santos Monteiro Cláudia Quintino da Rocha Renato Sonchini Gonçalves	Multifunctional P123 micelle linked covalently with spermine (SM) and folic acid (FA) was developed as a drug delivery system of hypericin (HYP). The chemical structures of the modified copolymers were confirmed by spectroscopy and spectrophotometric techniques (UV-Vis, FTIR, and ^{1}H NMR). The copolymeric micelles loading HYP were prepared by solid dispersion and characterized by UV-Vis, fluorescence, dynamic light scattering (DLS), potential, and transmission electron microscopy (TEM). The...	pmid:36057363 doi:10.1016/j.pdpdt.2022.103103	Sat, 03 Sep 2022 06:00:00 -0400
6	pubmed:36057381	Impacts of dosing and drug withdrawal period on tacrolimus-based triple therapy in a non-human primate renal transplantation model	Yuuki Naganuma Masashi Maeda Koji Nakamura Hidehiko Fukahori Hiroyuki Satake Ryuji Murakami Kaori Hanaoka Yasuyuki Higashi Hironari Koyama Tatsuaki Morokata	Non-human primate (NHP) renal transplantation models are widely used vivo models for researching new immunosuppressive therapies including allograft tolerance strategies. To enroll animals into a tolerance study, an immunosuppressive regimen that efficiently establishes stable renal function in NHPs is needed. Here, we assessed the effect of triple therapy comprising 2.0 mg/kg tacrolimus, mycophenolate mofetil and a steroid and its success rate for achieving stable renal function. In addition,...	pmid:36057381 doi:10.1016/j.trim.2022.101704	Sat, 03 Sep 2022 06:00:00 -0400
7	pubmed:36057415	Clinical Effect of Early administration of Tocilizumab Following the Initiation of Corticosteroid Therapy for Patients with COVID-19	Takaya Kawamata Yoshinori Tanino Takefumi Nikaido Hiroyuki Minemura Yuki Sato Ryuichi Togawa Natsumi Watanabe Ryuki Yamada Riko Sato Takumi Onuma Hikaru Tomita Mikako Saito Mami Rikimaru Yasuhito Suzuki Yasuhiko Tsukada Kiwamu Nakamura Keiji Kanemitsu Ken Iseki Yoko Shibata	CONCLUSIONS: In the combination therapy with tocilizumab and corticosteroids, early administration of tocilizumab after starting corticosteroid treatment is effective when treating COVID-19.	pmid:36057415 doi:10.1016/j.jiac.2022.08.021	Sat, 03 Sep 2022 06:00:00 -0400
8	pubmed:36057417	Antibiotics targeting bacterial protein synthesis reduce the lytic activity of bacteriophages	Medhavi Vashisth Shikha Yashveer Taruna Anand Nitin Virmani Bidhan Chand Bera Rajesh Kumar Vaid	Combination therapy of bacteriophages and antibiotics requires careful selection of specific antibiotics as it is crucial towards determining the success of phage therapy to treat multiple drug-resistant bacterial infections. So, we examined how different antibiotics can affect phage lytic activity when used in combination against targeted bacteria. Various antibiotics targeting bacterial protein synthesis pathways were tested for their bactericidal action in combination with bacteriophages of...	pmid:36057417 doi:10.1016/j.virusres.2022.198909	Sat, 03 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
9	pubmed:36057428	Triclocarban evoked neutrophil extracellular trap formation in common carp (Cyprinus carpio L.) by modulating SIRT3-mediated ROS crosstalk with ERK1/2/p38 signaling	Siwen Li Yanling Wang Dongke Yu Yuan Zhang Xiali Wang Mei Shi Yanxin Xiao Xinlian Li Hongtao Xiao Lu Chen Xuan Xiong	Triclocarban (TCC), an antimicrobial ingredient in personal care products, is associated with immunosuppression and physiological dysfunctions of aquatic organisms. The aim of this study was to investigate whether TCC can induce common carp NETosis (neutrophil death by neutrophil extracellular trap (NET) release) and then to attempt to identify the potential molecular mechanisms. Herein, scanning electron microscopy and flow cytometric assays showed that revealed that TCC triggers DNA-containing...	pmid:36057428 doi:10.1016/j.fsi.2022.08.060	Sat, 03 Sep 2022 06:00:00 -0400
10	pubmed:36057496	c cytokine-aided crosstalk between dendritic cells and natural killer cells together with doxorubicin induces a healer response in experimental lymphoma by downregulating FOXP3 and programmed cell death protein 1	Ranjeet Singh Uttam Gupta Prateek Srivastava Ankush Paladhi Ugir Hossain Sk Sumit Kumar Hira Partha Pratim Manna	CONCLUSIONS: Combination therapy in the early stage alters the cytokine profile, increases interferon- and tumor necrosis factor- in the serum of treated animals and downregulates programmed cell death protein 1 expression in CD8^(+) T cells. Thus, cooperative and cognitive interactions between dendritic cells and natural killer cells in addition to therapy with doxorubicin promote the immune response and tumoricidal activities against lymphoma.	pmid:36057496 doi:10.1016/j.jcyt.2022.07.012	Sat, 03 Sep 2022 06:00:00 -0400
11	pubmed:36057593	Structural disruption of BAF chromatin remodeller impairs neuroblastoma metastasis by reverting an invasiveness epigenomic program	Carlos Jiménez Roberta Antonelli Mariona Nadal-Ribelles Laura Devis-Jauregui Pablo Latorre Carme Solé Marc Masanas Adrià Molero-Valenzuela Aroa Soriano Josep Sánchez de Toledo David Llobet-Navas Josep Roma Francesc Posas Eulàlia de Nadal Soledad Gallego Lucas Moreno Miguel F Segura	CONCLUSIONS: We report a novel ATPase-independent role for the BAF complex in maintaining an epigenomic program that allows neuroblastoma invasiveness and metastasis, urging for the development of new BAF pharmacological structural disruptors for therapeutic exploitation in metastatic neuroblastoma.	pmid:36057593 doi:10.1186/s12943-022-01643-4	Sat, 03 Sep 2022 06:00:00 -0400
12	pubmed:36057630	ROBO3s: a novel ROBO3 short isoform promoting breast cancer aggressiveness	Marcel Werner Anna Dyas Iwan Parfentev Geske E Schmidt Iga K Mieczkowska Lukas C Müller-Kirschbaum Claudia Müller Stefan Kalkhof Oliver Reinhardt Henning Urlaub Frauke Alves Julia Gallwas Evangelos Prokakis Florian Wegwitz	Basal-like breast cancer (BLBC) is a highly aggressive breast cancer subtype frequently associated with poor prognosis. Due to the scarcity of targeted treatment options, conventional cytotoxic chemotherapies frequently remain the standard of care. Unfortunately, their efficacy is limited as BLBC malignancies rapidly develop resistant phenotypes. Using transcriptomic and proteomic approaches in human and murine BLBC cells, we aimed to elucidate the molecular mechanisms underlying the acquisition...	pmid:36057630 doi:10.1038/s41419-022-05197-7	Sat, 03 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
13	pubmed:36057673	Next-generation sequencing for MRD monitoring in B-lineage malignancies: from bench to bedside	Xinyue Deng Meilan Zhang Jianfeng Zhou Min Xiao	Minimal residual disease (MRD) is considered the strongest relevant predictor of prognosis and an effective decision-making factor during the treatment of hematological malignancies. Remarkable breakthroughs brought about by new strategies, such as epigenetic therapy and chimeric antigen receptor-T (CAR-T) therapy, have led to considerably deeper responses in patients than ever, which presents difficulties with the widely applied gold-standard techniques of MRD monitoring. Urgent demands for...	pmid:36057673 doi:10.1186/s40164-022-00300-2	Sat, 03 Sep 2022 06:00:00 -0400
14	pubmed:36057740	PD-L1 and PD-1 expression in pediatric central nervous system germ cell tumors	Jared K Woods Hart G Lidov Keith L Ligon Sandro Santagata Susan N Chi Kee Kiat Yeo Sanda Alexandrescu	Central nervous system (CNS) germ cell tumors (GCTs) represent 2-3% of all primary CNS tumors. The majority are germinomas, which are radiosensitive and have an excellent prognosis. Contrarily, CNS non-germinomatous GCTs (NGGCTs) have less favorable prognosis and require more aggressive treatment. The expression of checkpoint/immune markers in CNS GCTs, particularly NGGCTs, is unknown. We previously reported a case of a patient whose intracranial NGGCT (predominantly choriocarcinoma) responded...	pmid:36057740 doi:10.1038/s41379-022-01142-3	Sat, 03 Sep 2022 06:00:00 -0400
15	pubmed:36057773	Circulating biomarker correlates of left atrial size and myocardial extracellular volume fraction among persons living with and without HIV	Tess E Peterson Christian Landon Sabina A Haberlen Fiona Bhondoekhan Michael W Plankey Frank J Palella Damani A Piggott Joseph B Margolick Todd T Brown Wendy S Post Katherine C Wu	CONCLUSIONS: Our findings suggest that elevated levels of sCD14, GDF-15, and NT-proBNP among PLWH compared to PLWOH observed in the current cART era may only minimally reflect HIV-associated elevations in LAVI and ECV. Future studies of excess risk of myocardial disease among contemporary cohorts of PLWH should investigate mechanisms other than those connoted by the studied biomarkers.	pmid:36057773 doi:10.1186/s12872-022-02835-y	Sat, 03 Sep 2022 06:00:00 -0400
16	pubmed:36057871	Új eljárás a nem melanoma típusú brdaganatok kezelésében: "daylight" fotodinámiás terápia	Dóra Ágoston Henriette Ócsai Ferenc Ignácz Éva Viharosné Dósa-Rácz Ferenc Rárosi Judit Oláh Lajos Kemény Eszter Baltás	CONCLUSION: The method has been successfully adapted in our clinic and is used in daily practice to treat actinic keratoses. Orv Hetil. 2022; 163(36): 1422-1429.	pmid:36057871 doi:10.1556/650.2022.32554	Sun, 04 Sep 2022 06:00:00 -0400
17	pubmed:36057886	Human Wharton's Jelly-derived mesenchymal stem cells prevent acetaminophen-induced liver injury in a mouse model unlike human dermal fibroblasts	David S Umbaugh Rupal P Soder Nga T Nguyen Olamide Adelusi Dakota R Robarts Ben Woolbright Luqi Duan Sunil Abhyankar Buddhadeb Dawn Udayan Apte Hartmut Jaeschke Anup Ramachandran	The persistence of hepatotoxicity induced by N-acetyl-para-aminophenol (Acetaminophen or Paracetamol, abbreviated as APAP) as the most common cause of acute liver failure in the United States, despite the availability of N-acetylcysteine, illustrates the clinical relevance of additional therapeutic approaches. While human mesenchymal stem cells (MSCs) have shown protection in mouse models of liver injury, the MSCs used are generally not cleared for human use and it is unclear whether these...	pmid:36057886 doi:10.1007/s00204-022-03372-5	Sun, 04 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
18	pubmed:36057890	Brentuximab Vedotin Plus CHP in Frontline sALCL: Adjusted Estimates of Efficacy and Cost-Effectiveness Removing the Effects of Re-Treatment with Brentuximab Vedotin	Holly Cranmer David Trueman Elise Evers Fionn Woodcock Tanja Podkonjak	CONCLUSION: TSE without re-censoring provided the most clinically plausible estimate of survival whilst retaining sufficient information for OS extrapolation. After adjustment for BV re-treatment, BV+CHP remains an efficacious and cost-effective treatment in frontline sALCL compared with CHOP.	pmid:36057890 doi:10.1007/s41669-022-00349-z	Sun, 04 Sep 2022 06:00:00 -0400
19	pubmed:36057892	Small leucine zipper protein functions as a modulator for metabolic reprogramming of colorectal cancer cells by inducing nutrient stress-mediated autophagy	Suhyun Kim Minseok Oh Minsoo Kang Jesang Ko	In multiple cancers, autophagy promotes tumor development by recycling intracellular components into metabolic pathways. Autophagy-induced metabolic reprogramming and plasticity lead to cancer cell survival and resistance to anticancer therapy. We investigated the role of small leucine zipper protein (sLZIP) in autophagy and cell survival under nutrient-deficient conditions in colorectal cancer (CRC). sLZIP was induced by nutrient stress and increased the transcription of microtubule-associated...	pmid:36057892 doi:10.1007/s00018-022-04535-4	Sun, 04 Sep 2022 06:00:00 -0400
20	pubmed:36057899	Proof of Principle of Combining Fluorescence-Guided Surgery with Photoimmunotherapy to Improve the Outcome of Pancreatic Cancer Therapy in an Orthotopic Mouse Model	Hiroto Nishino Michael A Turner Siamak Amirfakhri Thinzar M Lwin Mojgan Hosseini Bernhard B Singer Robert M Hoffman Michael Bouvet	CONCLUSIONS: FGS and adjuvant PIT can be combined by using a single antibody-fluorophore conjugate to significantly reduce the frequency of pancreatic cancer recurrence.	pmid:36057899 doi:10.1245/s10434-022-12466-4	Sun, 04 Sep 2022 06:00:00 -0400
21	pubmed:36057984	The ACE Inhibitor Lisinopril Stimulates Melanoma Cell Invasiveness by Inducing MMP2 Secretion	Yannic Becker Christian Stock	CONCLUSION: Lisinopril stimulates MV3 cell invasion by increasing the expression and secretion of MMP2.	pmid:36057984 doi:10.33594/000000570	Sun, 04 Sep 2022 06:00:00 -0400
22	pubmed:36058003	Decoy Exosomes Offer Protection Against Chemotherapy-Induced Toxicity	Miao Fan Hang Li Deliang Shen Zhaoshuo Wang Huifang Liu Dashuai Zhu Zhenzhen Wang Lanya Li Kristen D Popowski Caiwen Ou Kaihan Zhang Jinchao Zhang Ke Cheng Zhenhua Li	Cancer patients often face severe organ toxicity caused by chemotherapy. Among these, chemotherapy-induced hepatotoxicity and cardiotoxicity are the main causes of death of cancer patients. Chemotherapy-induced cardiotoxicity even creates a new discipline termed "cardio-oncology". Therefore, relieving toxicities induced by chemotherapy has become a key issue for improving the survival and quality of life in cancer patients. In this work, mesenchymal stem cell exosomes with the "G-C" abundant...	pmid:36058003 doi:10.1002/advs.202203505	Sun, 04 Sep 2022 06:00:00 -0400