gene therapy

	NCT Number	Title	Authors	Description	Identifier	Dates
1	pubmed:36063597	Constitutive activation of estrogen receptor signaling in muscle prolongs exercise endurance in mice	Kenta Yoh Kazuhiro Ikeda Saki Nagai Kuniko Horie Satoru Takeda Satoshi Inoue	Estrogen is a female hormone that plays a role in various tissues, although the mechanism in skeletal muscle has not been fully clarified. We previously showed that systemic administration of estrogen for 10 weeks ameliorated decreased exercise endurance in ovariectomized mice. To assess whether a long-term and muscle-specific activation of estrogen signaling modulates muscle function, we constructed an expression plasmid for a constitutively active estrogen receptor (caER) under the control...	pmid:36063597 doi:10.1016/j.bbrc.2022.08.064	Mon, 05 Sep 2022 06:00:00 -0400
2	pubmed:36064121	Can EGFR be a therapeutic target in breast cancer?	Xiyin Li Lina Zhao Ceshi Chen Jianyun Nie Baowei Jiao	Epidermal growth factor receptor (EGFR) is highly expressed in certain cancer types and is involved in regulating the biological characteristics of cancer progression, including proliferation, metastasis, and drug resistance. Various medicines targeting EGFR have been developed and approved for several cancer types, such as lung and colon cancer. To date, however, EGFR inhibitors have not achieved satisfactory clinical results in breast cancer, which continues to be the most serious malignant...	pmid:36064121 doi:10.1016/j.bbcan.2022.188789	Mon, 05 Sep 2022 06:00:00 -0400
3	pubmed:36064264	RNA gene editing in the eye and beyond: The neglected tool of the gene editing armatorium?	Ruofan Connie Han Robert E MacLaren	RNA editing allows correction of pathological point mutations without permanently altering genomic DNA. Theoretically targetable to any RNA type and site, its flexibility and reversibility makes it a potentially powerful gene editing tool. RNA editing offers a host of potential advantages in specific niches when compared to currently available alternative gene manipulation techniques. Unlike DNA editors, which are currently too large to be delivered in vivo using a viral vector, smaller RNA...	pmid:36064264 doi:10.1016/bs.ircmb.2022.04.009	Mon, 05 Sep 2022 06:00:00 -0400
4	pubmed:36064265	mRNA delivery technologies: Toward clinical translation	Itziar Gómez-Aguado Julen Rodríguez-Castejón Marina Beraza-Millor Alicia Rodríguez-Gascón Ana Del Pozo-Rodríguez María Ángeles Solinís	Messenger RNA (mRNA)-therapies have recently taken a huge step toward clinic thanks to the first mRNA-based medicinal products marketed. mRNA features for clinical purposes are improved by chemical modifications, but the inclusion in a delivery system is a regular requirement. mRNA nanomedicines must be designed for the specific therapeutic purpose, protecting the nucleic acid and facilitating the overcoming of biological barriers. Polymers, polypeptides, and cationic lipids are the main used...	pmid:36064265 doi:10.1016/bs.ircmb.2022.04.010	Mon, 05 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
5	pubmed:36064336	Integration of clinical and transcriptomics reveals programming of the lipid metabolism in gastric cancer	Yanyan Li Jungang Zhao Renpin Chen Shengwei Chen Yilun Xu Weiyang Cai	Lipid metabolism has a profound impact on gastric cancer (GC) progression and is a newly targetable vulnerability for cancer therapy. Given the importance of lipids in cancer cellular processes, in this study we employed lipidomic clinical and transcriptomic data to connect the variations of lipid metabolism changes of GC. We constructed a clinical nomogram based on the lipid factors and other clinical items. Then by using multi-omics techniques, we established a lipid-related gene signature for...	pmid:36064336 doi:10.1186/s12885-022-10017-4	Mon, 05 Sep 2022 06:00:00 -0400
6	pubmed:36064367	Identification of genes with high heterogeneity of expression as a predictor of different prognosis and therapeutic responses in colorectal cancer: a challenge and a strategy	Ebrahim Salehitabar Mohammad Mahdevar Ali Valipour Motlagh Farzad Seyed Forootan Sara Feizbakhshan Dina Zohrabi Maryam Peymani	CONCLUSIONS: Some genes expression, including SELE, SACS, BGN, KLK10, COL11A1, and TNFRSE11B have an oncogenic function with HHE, and their expression can be used as indicators for differing treatment responses and survival rates in CRC.	pmid:36064367 doi:10.1186/s12935-022-02694-9	Mon, 05 Sep 2022 06:00:00 -0400
7	pubmed:36064446	Expression of osteopontin-5 splice variant in the mouse primary and metastatic breast cancer cells	Mohammad Kamalabadi-Farahani Amir Atashi Zahra Jabbarpour Seyed Sajjad Aghayan	OBJECTIVE: Osteopontin (OPN) is a well-known glycoprotein involved in numerous pathobiological processes, including cancer. Despite having five splice variants for osteopontin in mice, the main focus of most studies has been on total OPN (tOPN). There are some studies on other splice variants, but the expression of osteopontin-5 (OPN5) has not been addressed in mouse cancer cells. Therefore, this study sought to evaluate OPN5 expression in mouse breast cancer cells.	pmid:36064446 doi:10.1186/s13104-022-06179-w	Mon, 05 Sep 2022 06:00:00 -0400
8	pubmed:36064625	Determining the optimal stage for cryopreservation of human embryonic stem cell-derived retinal pigment epithelial cells	Ting Zhang Xianyu Huang Sujun Liu Xinyue Bai Xinyue Zhu Dennis O Clegg Mei Jiang Xiaodong Sun	CONCLUSIONS: We propose that freezing hESC-derived RPE cells during their exponential phase results in the best post-thawing outcome in terms of cell viability and preservation of RPE cell properties and functions. The high expression levels of the cell cycle and ECM binding associated genes, particularly THBS1, may contribute to better cell recovery at this stage.	pmid:36064625 doi:10.1186/s13287-022-03141-2	Mon, 05 Sep 2022 06:00:00 -0400
9	pubmed:36064721	O-GlcNAcylation enhances CPS1 catalytic efficiency for ammonia and promotes ureagenesis	Leandro R Soria Georgios Makris Alfonso M D'Alessio Angela De Angelis Iolanda Boffa Veronica M Pravata Véronique Rüfenacht Sergio Attanasio Edoardo Nusco Paola Arena Andrew T Ferenbach Debora Paris Paola Cuomo Andrea Motta Matthew Nitzahn Gerald S Lipshutz Ainhoa Martínez-Pizarro Eva Richard Lourdes R Desviat Johannes Häberle Daan M F van Aalten Nicola Brunetti-Pierri	Life-threatening hyperammonemia occurs in both inherited and acquired liver diseases affecting ureagenesis, the main pathway for detoxification of neurotoxic ammonia in mammals. Protein O-GlcNAcylation is a reversible and nutrient-sensitive post-translational modification using as substrate UDP-GlcNAc, the end-product of hexosamine biosynthesis pathway. Here we show that increased liver UDP-GlcNAc during hyperammonemia increases protein O-GlcNAcylation and enhances ureagenesis. Mechanistically,...	pmid:36064721 doi:10.1038/s41467-022-32904-x	Mon, 05 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
10	pubmed:36064805	In vivo adenine base editing reverts C282Y and improves iron metabolism in hemochromatosis mice	Alice Rovai BoMee Chung Qingluan Hu Sebastian Hook Qinggong Yuan Tibor Kempf Florian Schmidt Dirk Grimm Steven R Talbot Lars Steinbrück Jasper Götting Jens Bohne Simon A Krooss Michael Ott	Hemochromatosis is one of the most common inherited metabolic diseases among white populations and predominantly originates from a homozygous C282Y mutation in the HFE gene. The G > A transition at position c.845 of the gene causes misfolding of the HFE protein, ultimately resulting in its absence at the cell membrane. Consequently, the lack of interaction with the transferrin receptors 1 and 2 leads to systemic iron overload. We screened potential gRNAs in a highly precise cell culture assay...	pmid:36064805 doi:10.1038/s41467-022-32906-9	Tue, 06 Sep 2022 06:00:00 -0400
11	pubmed:36064814	Muscle quantitative MRI as a novel biomarker in hereditary transthyretin amyloidosis with polyneuropathy: a cross-sectional study	Elisa Vegezzi Andrea Cortese Niels Bergsland Roberta Mussinelli Matteo Paoletti Francesca Solazzo Riccardo Currò Lucia Ascagni Ilaria Callegari Ilaria Quartesan Alessandro Lozza Xeni Deligianni Francesco Santini Enrico Marchioni Giuseppe Cosentino Enrico Alfonsi Cristina Tassorelli Stefano Bastianello Giampaolo Merlini Giovanni Palladini Laura Obici Anna Pichiecchio	CONCLUSIONS: Muscle qMRI revealed significant difference between ATTRv and healthy controls. MRI biomarkers showed high correlation with clinical and neurophysiological measures of disease severity making qMRI as a promising tool to be further investigated in longitudinal studies to assess its role at monitoring onset, progression, and therapy efficacy for future clinical trials on this treatable condition.	pmid:36064814 doi:10.1007/s00415-022-11336-z	Tue, 06 Sep 2022 06:00:00 -0400
12	pubmed:36064844	A Combination Therapy Using Electrical Stimulation and Adaptive, Conductive Hydrogels Loaded with Self-Assembled Nanogels Incorporating Short Interfering RNA Promotes the Repair of Diabetic Chronic Wounds	Huan Lei Daidi Fan	In addition to oxidative stress and impaired angiogenesis, the overexpression of metalloproteinases (MMPs) and proinflammatory cytokines, which are promoted by hyperglycemia, causes chronic inflammation in diabetic wounds. Herein, TA-siRNA nanogels are prepared for the first time on the basis of the self-assembling interaction between tannic acid (TA) and short interfering RNA (siRNA). The efficient, biodegradable nanogels are cross-linked with poly(vinyl alcohol) (PVA), human-like collagen...	pmid:36064844 doi:10.1002/advs.202201425	Tue, 06 Sep 2022 06:00:00 -0400
13	pubmed:36065027	Prevalence and correlates of joint pain among Chinese breast cancer survivors receiving aromatase inhibitor treatment	Tao Wang Yu-Yan Huang Xian-Liang Liu Alex Molassiotis Li-Qun Yao Si-Lin Zheng Jing-Yu Benjamin Tan Hou-Qiang Huang	CONCLUSIONS: Chinese breast cancer survivors can experience joint pain at various locations, particularly knees. In addition to increasing the use of interventions for pain alleviation, a comprehensive assessment of survivors' conditions such as physical functioning, history of AI treatment, and presence of osteoarthritis should be emphasized to identify survivors who need more attention and tailored interventions.	pmid:36065027 doi:10.1007/s00520-022-07345-3	Tue, 06 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
14	pubmed:36065066	Ectopic JAK-STAT activation enables the transition to a stem-like and multilineage state conferring AR-targeted therapy resistance	Su Deng Choushi Wang Yunguan Wang Yaru Xu Xiaoling Li Nickolas A Johnson Atreyi Mukherji U-Ging Lo Lingfan Xu Julisa Gonzalez Lauren A Metang Jianfeng Ye Carla Rodriguez Tirado Kathia Rodarte Yinglu Zhou Zhiqun Xie Carlos Arana Valli Annamalai Xihui Liu Donald J Vander Griend Douglas Strand Jer-Tsong Hsieh Bo Li Ganesh Raj Tao Wang Ping Mu	Emerging evidence indicates that various cancers can gain resistance to targeted therapies by acquiring lineage plasticity. Although various genomic and transcriptomic aberrations correlate with lineage plasticity, the molecular mechanisms enabling the acquisition of lineage plasticity have not been fully elucidated. We reveal that Janus kinase (JAK)-signal transducer and activator of transcription (STAT) signaling is a crucial executor in promoting lineage plasticity-driven androgen receptor...	pmid:36065066 doi:10.1038/s43018-022-00431-9	Tue, 06 Sep 2022 06:00:00 -0400
15	pubmed:36065151	Role of 1-integrin in promoting cell motility and tamoxifen resistance of human breast cancer MCF-7 cells	Song Hu Qian Yang Zhenhai Chen Weijie Fu	CONCLUSIONS: Our data confirm the presence of alterations in the genes of tamoxifen-resistance breast cancer cells. ITGB1 probably partially contributes to tamoxifen resistance and cell motility via the 1-integrin signaling pathway. Thus, ITGB1 may be a potential target for the improvement of anti-hormone therapy reaction in ER(+) breast cancer patients.	pmid:36065151 doi:10.1111/ajco.13841	Tue, 06 Sep 2022 06:00:00 -0400
16	pubmed:36065308	Bioinformatics Analysis of Inflammation Gene Signature in Indicating Cholangiocarcinoma Prognosis	Yanting Wang Shi Chen Song He	CONCLUSION: A new signature made up of three respective response-relevant genes is found to be a promising indicator of prognosis by influencing the immune condition and tumor microenvironment.	pmid:36065308 pmc:PMC9440805 doi:10.1155/2022/9975838	Tue, 06 Sep 2022 06:00:00 -0400
17	pubmed:36065340	Skin Microbiota Profiles from Tape Stripping and Skin Biopsy Samples of Patients with Psoriasis Treated with Narrowband Ultraviolet B	Atiya Rungjang Jitlada Meephansan Sunchai Payungporn Vorthon Sawaswong Prangwalai Chanchaem Purit Pureesrisak Jongkonnee Wongpiyabovorn Hok Bing Thio	CONCLUSION: Different sampling techniques resulted in different microbiome profiles in patients with psoriasis. Tape stripping and swabs are feasible procedures and are mostly used in psoriasis and other skin microbiome studies; however, skin biopsy may also expand our understanding of psoriasis and other skin diseases that pathophysiology involves deeper to the dermis or subcutaneous tissue.	pmid:36065340 pmc:PMC9440725 doi:10.2147/CCID.S374871	Tue, 06 Sep 2022 06:00:00 -0400
18	pubmed:36065644	Lipoprotein Lipase: Is It a Magic Target for the Treatment of Hypertriglyceridemia	Joon Ho Moon Kyuho Kim Sung Hee Choi	High levels of triglycerides (TG) and triglyceride-rich lipoproteins (TGRLs) confer a residual risk of cardiovascular disease after optimal low-density lipoprotein cholesterol (LDL-C)-lowering therapy. Consensus has been made that LDL-C is a non-arguable primary target for lipid lowering treatment, but the optimization of TGRL for reducing the remnant risk of cardiovascular diseases is urged. Omega-3 fatty acids and fibrates are used to reduce TG levels, but many patients still have high TG and...	pmid:36065644 doi:10.3803/EnM.2022.402	Tue, 06 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
19	pubmed:36065676	Clinical pharmacology of antiplatelet drugs	Georg Gelbenegger Bernd Jilma	INTRODUCTION: Platelets play a key role in arterial thrombosis and antiplatelet therapy is pivotal in the treatment of cardiovascular disease. Current antiplatelet drugs target different pathways of platelet activation and show specific pharmacodynamic and pharmacokinetic characteristics, implicating clinically relevant drug-drug interactions.	pmid:36065676 doi:10.1080/17512433.2022.2121702	Tue, 06 Sep 2022 06:00:00 -0400
20	pubmed:36065826	Institutional and infrastructure challenges for hospitals producing advanced therapies in the UK: the concept of 'point-of-care manufacturing readiness'	Edison Bicudo Irina Brass	Aim: To propose the concept of point-of-care manufacturing readiness for analyzing the capacity that a country, a health system or an institution has developed to manufacture therapies in clinical settings (point-of-care manufacture). The focus is on advanced therapies (cell, gene and tissue engineering therapies) in the UK. Materials & methods: Literature review, analysis of quantitative data, and qualitative interviews with professionals and practitioners developing and administering advanced...	pmid:36065826 doi:10.2217/rme-2022-0064	Tue, 06 Sep 2022 06:00:00 -0400
21	pubmed:36065834	Engineered cells along with smart scaffolds: critical factors for improving tissue engineering approaches	Zahra Abpeikar Ali Akbar Alizadeh Yaghoub Ahmadyousefi Ali Akbar Najafi Mohsen Safaei	In this review, gene delivery and its applications are discussed in tissue engineering (TE); also, new techniques such as the CRISPR-Cas9 system, synthetics biology and molecular dynamics simulation to improve the efficiency of the scaffolds have been studied. CRISPR-Cas9 is expected to make significant advances in TE in the future. The fundamentals of synthetic biology have developed powerful and flexible methods for programming cells via artificial genetic circuits. The combination of...	pmid:36065834 doi:10.2217/rme-2022-0059	Tue, 06 Sep 2022 06:00:00 -0400
22	pubmed:36065932	Gliotoxin Induced Ferroptosis by Downregulating SUV39H1 Expression in Esophageal Cancer Cells	Shengqiang Zhang Jida Guo Hongyan Zhang Lu Tong Linyou Zhang	CONCLUSION: In summary, our findings indicate that gliotoxin downregulated SUV39H1 expression in ESCC cells and induced ferroptosis, suggesting a novel natural therapy for ESSC.	pmid:36065932 doi:10.2174/1574892817666220905114120	Tue, 06 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
23	pubmed:36066078	Bronchodilators in Tobacco-Exposed Persons with Symptoms and Preserved Lung Function	MeiLan K Han Wen Ye Di Wang Emily White Mehrdad Arjomandi Igor Z Barjaktarevic Stacey-Ann Brown Russell G Buhr Alejandro P Comellas Christopher B Cooper Gerard J Criner Mark T Dransfield Frank Drescher Rodney J Folz Nadia N Hansel Robert J Kaner Richard E Kanner Jerry A Krishnan Stephen C Lazarus Veeranna Maddipati Fernando J Martinez Anne Mathews Catherine Meldrum Charlene McEvoy Toru Nyunoya Linda Rogers William W Stringer Christine H Wendt Robert A Wise Stephen R Wisniewski Frank C Sciurba Prescott G Woodruff RETHINC Study Group	CONCLUSIONS: Inhaled dual bronchodilator therapy did not decrease respiratory symptoms in symptomatic, tobacco-exposed persons with preserved lung function as assessed by spirometry. (Funded by the National Heart, Lung, and Blood Institute and others; RETHINC ClinicalTrials.gov number, NCT02867761.).	pmid:36066078 doi:10.1056/NEJMoa2204752	Tue, 06 Sep 2022 06:00:00 -0400
24	pubmed:36066198	The therapeutic potential of bone marrow-derived macrophages in neurological diseases	Kai Zhou Jinming Han Yafeng Wang Yiran Xu Yaodong Zhang Changlian Zhu	Circulating monocytes are precursors of both tissue macrophages and dendritic cells, and they can infiltrate the central nervous system (CNS) where they transform into bone marrow-derived macrophages (BMDMs). BMDMs play essential roles in various CNS diseases, thus modulating BMDMs might be a way to treat these disorders because there are currently no efficient therapeutic methods available for most of these neurological diseases. Moreover, BMDMs can serve as promising gene delivery vehicles...	pmid:36066198 doi:10.1111/cns.13964	Tue, 06 Sep 2022 06:00:00 -0400
25	pubmed:36066279	Response to COVID19 vaccines is reduced in patients with inflammatory bowel disease, but improved with additional dose	Hisashi Shiga Yoichi Kakuta Kumiko An Yuko Abe Shinichi Fujimaki Yusuke Shimoyama Takeo Naito Rintaro Moroi Masatake Kuroha Seik-Soon Khor Yosuke Kawai Katsushi Tokunaga Yoshitaka Kinouchi Atsushi Masamune	CONCLUSIONS: Our findings further support the recommendation for COVID-19 vaccination in patients under immunosuppressive therapy, especially additional third dose for patients receiving anti-TNF agents and/or thiopurine or tofacitinib.	pmid:36066279 doi:10.1111/jgh.16001	Tue, 06 Sep 2022 06:00:00 -0400
26	pubmed:36066375	Leber hereditary optic neuropathy: new and emerging therapies	Pamela Davila-Siliezar Michael Carter Dan Milea Andrew G Lee	PURPOSE OF REVIEW: To review recent therapeutic advances in Leber hereditary optic neuropathy (LHON).	pmid:36066375 doi:10.1097/ICU.0000000000000891	Tue, 06 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
27	pubmed:36066376	Umbilical cord blood: an undervalued and underutilized resource in allogeneic hematopoietic stem cell transplant and novel cell therapy applications	Patricia A Shi Larry L Luchsinger John M Greally Colleen S Delaney	PURPOSE OF REVIEW: The purpose of this review is to primarily discuss the unwarranted decline in the use of umbilical cord blood (UCB) as a source of donor hematopoietic stem cells (HSC) for hematopoietic cell transplantation (HCT) and the resulting important implications in addressing healthcare inequities, and secondly to highlight the incredible potential of UCB and related birthing tissues for the development of a broad range of therapies to treat human disease including but not limited to...	pmid:36066376 doi:10.1097/MOH.0000000000000732	Tue, 06 Sep 2022 06:00:00 -0400
28	pubmed:36066420	Whole-exome sequencing study of familial nasopharyngeal carcinoma and its implication for identifying high-risk individuals	Tong-Min Wang Yong-Qiao He Wen-Qiong Xue Jiang-Bo Zhang Yun-Fei Xia Chang-Mi Deng Wen-Li Zhang Ruo-Wen Xiao Ying Liao Da-Wei Yang Ting Zhou Dan-Hua Li Lu-Ting Luo Xia-Ting Tong Yan-Xia Wu Xue-Yin Chen Xi-Zhao Li Pei-Fen Zhang Xiao-Hui Zheng Shao-Dan Zhang Ye-Zhu Hu Fang Wang Zi-Yi Wu Mei-Qi Zheng Jing-Wen Huang Yi-Jing Jia Lei-Lei Yuan Rui You Guan-Qun Zhou Li-Xia Lu Yu-Ying Liu Ming-Yuan Chen Lin Feng Wei Dai Ze-Fang Ren Hai-Qiang Mai Ying Sun Jun Ma Wei Zheng Maria Li Lung Wei-Hua Jia	CONCLUSIONS: This study expands the catalog of NPC susceptibility genes and provides the potential for risk stratification of individuals with an NPC family history.	pmid:36066420 doi:10.1093/jnci/djac177	Tue, 06 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
29	pubmed:36066547	Alpelisib for the treatment of PIK3CA-related head and neck lymphatic malformations and overgrowth	Tara L Wenger Sheila Ganti Catherine Bull Erika Lutsky James T Bennett Kaitlyn Zenner Dana M Jensen Victoria Dmyterko Ezgi Mercan Giri M Shivaram Seth D Friedman Michael Bindschadler Madeleine Drusin Jonathan N Perkins Ada Kong Randall A Bly John P Dahl Juliana Bonilla-Velez Jonathan A Perkins	CONCLUSION: Individuals with head and neck PROS treated with alpelisib had decreased malformation size and locoregional overgrowth, improved function and symptoms, and fewer invasive procedures.	pmid:36066547 doi:10.1016/j.gim.2022.07.026	Tue, 06 Sep 2022 06:00:00 -0400
30	pubmed:36066666	A novel ^{18}F-labeled agonist for PET imaging of stimulator of interferon gene expression in tumor-bearing mice	Jianyang Fang Lixia Feng Lingxin Meng Xiaobo Wang Huanhuan Liu Lumei Huang Deliang Zhang Jingchao Li Rongqiang Zhuang Zhide Guo Xianzhong Zhang	CONCLUSION: This proof-of-concept study demonstrated a STING-binding radioligand for PET imaging, which could be used as a potential companion diagnostic tool for related STING-agonist therapies.	pmid:36066666 doi:10.1007/s00259-022-05959-7	Tue, 06 Sep 2022 06:00:00 -0400
31	pubmed:36066674	Advanced molecular therapies for neurological diseases: focus on stroke, alzheimer's disease, and parkinson's disease	Madhumitha Katta Blessy Aksa Mathew Pragya Chaturvedi Abhilash Ludhiadch Anjana Munshi	Neurological diseases (NDs) are one of the leading causes of disability and the second leading cause of death globally. Among these stroke, Alzheimer's disease (AD), and Parkinson's disease (PD) are the most common NDs. A rise in the absolute number of individuals affected with these diseases indicates that the current treatment strategies in management and prevention of these debilitating diseases are not effective sufficiently. Therefore, novel treatment strategies are being explored to cure...	pmid:36066674 doi:10.1007/s10072-022-06356-6	Tue, 06 Sep 2022 06:00:00 -0400
32	pubmed:36067171	Indisulam synergizes with palbociclib to induce senescence through inhibition of CDK2 kinase activity	Ziva Pogacar Jackie L Johnson Lenno Krenning Giulia De Conti Fleur Jochems Cor Lieftink Arno Velds Leyma Wardak Kelvin Groot Arnout Schepers Liqin Wang Ji-Ying Song Marieke van de Ven Olaf van Tellingen Rene H Medema Roderick L Beijersbergen Rene Bernards Rodrigo Leite de Oliveira	Inducing senescence in cancer cells is emerging as a new therapeutic strategy. In order to find ways to enhance senescence induction by palbociclib, a CDK4/6 inhibitor approved for treatment of metastatic breast cancer, we performed functional genetic screens in palbociclib-resistant cells. Using this approach, we found that loss of CDK2 results in strong senescence induction in palbociclib-treated cells. Treatment with the CDK2 inhibitor indisulam, which phenocopies genetic CDK2 inactivation,...	pmid:36067171 doi:10.1371/journal.pone.0273182	Tue, 06 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
33	pubmed:36067186	Multiplex short tandem repeat profiling of immortalized hepatic stellate cell line Col-GFP HSC	Steffen K Meurer David A Brenner Ralf Weiskirchen	Misidentification, cross-contamination and genetic drift of continuous animal cell lines are persistent problems in biomedical research, leading to erroneous results and inconsistent or invalidated studies. The establishment of immortalized hepatic stellate cell line Col-GFP HSC was reported in PLoS One in the year 2013. In the present study a multi loci short tandem repeat signature for this cell line was established that allows for unique cell line authentication.	pmid:36067186 doi:10.1371/journal.pone.0274219	Tue, 06 Sep 2022 06:00:00 -0400
34	pubmed:36067339	Plasma CD27, a surrogate of the intratumoral CD27-CD70 interaction, correlates with immunotherapy resistance in renal cell carcinoma	Nadine Benhamouda Ikuan Sam Nicolas Epaillard Alain Gey Letuan Phan Hang Phuong Pham Nadège Gruel Antonin Saldmann Joséphine Pineau Milena Hasan Valentin Quiniou Camille Nevoret Virginie Verkarre Valentina Libri Sebastien Mella Clémence Granier Chloe Broudin Patrice Ravel Eleonore De Guillebon Laetitia Mauge Dominique Helley Bernd Jabla Nathalie Chaput Laurence Albiges Sandrine Katsahian Julien Adam Arnaud Mejean Olivier Adotevi Yann A Vano Stéphane Oudard Eric Tartour	CONCLUSION: In conclusion, we demonstrated that sCD27, a surrogate marker of T-cell dysfunction, is a predictive biomarker of resistance to immunotherapy in RCC. Given the frequent expression of CD70 and CD27 in solid tumors, our findings may be extended to other tumors.	pmid:36067339 doi:10.1158/1078-0432.CCR-22-0905	Tue, 06 Sep 2022 06:00:00 -0400
35	pubmed:36067380	Clinical and Preclinical Therapies for Bladder Cancer Following BCG Failure	Michael Nazmifar Cheyenne Williams Aurash Naser-Tavakolian John Heard Charles Rosser Dan Theodorescu Michael Ahdoot	BACKGROUND: Intravesical Bacillus Calmette-Guerin (BCG) is the current first-line treatment for high-grade non-muscle-invasive bladder cancer (NMIBC); however, a substantial proportion of patients are unresponsive to BCG treatment. While cystectomy is often recommended in bladder cancer following BCG failure, there are numerous established therapeutic agents and pre-commercialized trials describing treatments for NMIBC following failed BCG treatment. Our objective in this systematic review is to...	pmid:36067380 doi:10.1097/JU.0000000000002957	Tue, 06 Sep 2022 06:00:00 -0400

	NCT Number	Title	Authors	Description	Identifier	Dates
36	pubmed:36067526	Role of the SEC62 gene in dermato-oncology - impact on tumor cell biology, prognostication, and personalized therapy management	Maximilian Linxweiler Cornelia S L Müller	The SEC62 gene encodes for a transmembrane protein of the endoplasmic reticulum (ER). Sec62 protein is involved in the post-translational transport of secretory and membrane-bound proteins in eukaryotic cells, regulates intracellular calcium homeostasis through direct interaction with the Sec61 channel and makes a decisive contribution to the cellular compensation of ER stress in the context of recovER-phagy. A significantly increased expression of the SEC62 gene has already been demonstrated in...	pmid:36067526 doi:10.1111/ddg.14817	Tue, 06 Sep 2022 06:00:00 -0400
37	pubmed:36067527	Prednisolone and enoxaparin (clexane) therapy ("the Bondi protocol") for repeated IVF failure	Gavin Sacks Jessica Zhang	CONCLUSIONS: This study describes a simple and relatively safe immune therapy protocol that may improve IVF success rates in women with evidence of immune dysfunction. This article is protected by copyright. All rights reserved.	pmid:36067527 doi:10.1111/aji.13616	Tue, 06 Sep 2022 06:00:00 -0400