

(gene therapy) OR (cell therapy)

| NCT Number | | Title | Authors | Description | Identifier | Dates |
|------------|-----------------|---|---|---|---|---------------------------------|
| 1 | pubmed:36070661 | Modified Bu-Fei decoction inhibits lung metastasis via suppressing angiopoietin-like 4 | Huifeng Hao Zhengwang Guo Zhandong Li Junfeng Li Shantong Jiang Jialei Fu Yanna Jiao Xinxin Deng Shuyan Han Pingping Li | CONCLUSION: MBFD, at clinically relevant concentrations, inhibits cancer lung metastasis via suppressing endothelial ANGPTL4. These results revealed novel effects and mechanisms of MBFD in treating cancer, and have a significant clinical implication of MBFD therapy in combating metastasis. | pmid:36070661 doi:10.1016/j.phymed.2022.154409 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 2 | pubmed:36070680 | Extracellular vesicles mediate the communication of adipose tissue with brain and promote cognitive impairment associated with insulin resistance | Jin Wang Liang Li Zhou Zhang Xuhong Zhang Ye Zhu Chenyu Zhang Yan Bi | Type 2 diabetes with obesity-related insulin resistance as the main manifestation is associated with an increased risk of cognitive impairment. Adipose tissue plays an important role in this process. Here, we demonstrated that adipose tissue-derived extracellular vesicles (EVs) and their cargo microRNAs (miRNAs) mediate inter-organ communication between adipose tissue and the brain, which can be transferred into the brain in a membrane protein-dependent manner and enriched in neurons, especially... | pmid:36070680 doi:10.1016/j.cmet.2022.08.004 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 3 | pubmed:36070682 | ATF3 and CH25H regulate effector trogocytosis and anti-tumor activities of endogenous and immunotherapeutic cytotoxic T lymphocytes | Zhen Lu Noreen McBrearty Jinyun Chen Vivek S Tomar Hongru Zhang Gianluca De Rosa Aiwen Tan Aalim M Weljie Daniel P Beiting Zhen Miao Subin S George Allison Berger Gurpanna Saggu J Alan Diehl Constantinos Koumenis Serge Y Fuchs | Effector trogocytosis between malignant cells and tumor-specific cytotoxic T lymphocytes (CTLs) contributes to immune evasion through antigen loss on target cells and fratricide of antigen-experienced CTLs by other CTLs. The mechanisms regulating these events in tumors remain poorly understood. Here, we demonstrate that tumor-derived factors (TDFs) stimulated effector trogocytosis and restricted CTLs' tumoricidal activity and viability in vitro. TDFs robustly altered the CTL's lipid profile,... | pmid:36070682 doi:10.1016/j.cmet.2022.08.007 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 4 | pubmed:36070690 | Distinct gene expression by expanded clones of quiescent memory CD4[±] T cells harboring intact latent HIV-1 proviruses | Georg H J Weymar Yotam Bar-On Thiago Y Oliveira Christian Gaebler Victor Ramos Harald Hartweg Gaëlle Breton Marina Caskey Lillian B Cohn Mila Jankovic Michel C Nussenzweig | Antiretroviral therapy controls, but does not cure, HIV-1 infection due to a reservoir of rare CD4 ⁺ T cells harboring latent proviruses. Little is known about the transcriptional program of latent cells. Here, we report a strategy to enrich clones of latent cells carrying intact, replication-competent HIV-1 proviruses from blood based on their expression of unique T cell receptors. Latent cell enrichment enabled single-cell transcriptomic analysis of 1,050 CD4 ⁺ T cells belonging to... | pmid:36070690 doi:10.1016/j.celrep.2022.111311 | Wed, 07 Sep 2022 06:00:00 -0400 |

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|------------|-----------------|--|--|---|---|---------------------------------|
| 5 | pubmed:36070708 | Preparation of PEI-modified nanoparticles by dopamine self-polymerization for efficient DNA delivery | Liang Liu Zhaojun Yang Chaobing Liu Mengying Wang Xin Chen | Achieving efficient and safe gene delivery is great of significance to promote the development of gene therapy. In this work, a polydopamine (PDA) layer was coated on the surface of Fe(3) O(4) nanoparticles (NPs) by dopamine (DA) self-polymerization, and then magnetic Fe(3) O(4) NPs were prepared by the Michael addition between amino groups in polyethyleneimine (PEI) and PDA. The prepared Fe(3) O(4) NPs (named Fe(3) O(4) @PDA@PEI) were characterized by FTIR, atomic force microscopy (AFM) and... | pmid:36070708 doi:10.1002/bab.2402 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 6 | pubmed:36070751 | Choroid plexus-CSF-targeted antioxidant therapy protects the brain from toxicity of cancer chemotherapy | Ahram Jang Boryana Petrova Taek-Chin Cheong Miriam E Zawadzki Jill K Jones Andrew J Culhane Frederick B Shipley Roberto Chiarle Eric T Wong Naama Kanarek Maria K Lehtinen | For many cancer patients, chemotherapy produces untreatable life-long neurologic effects termed chemotherapy-related cognitive impairment (CRCI). We discovered that the chemotherapy methotrexate (MTX) adversely affects oxidative metabolism of non-cancerous choroid plexus (ChP) cells and the cerebrospinal fluid (CSF). We used a ChP-targeted adeno-associated viral (AAV) vector approach in mice to augment CSF levels of the secreted antioxidant SOD3. AAV-SOD3 gene therapy increased oxidative defense... | pmid:36070751 doi:10.1016/j.neuron.2022.08.009 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 7 | pubmed:36070764 | LAMTOR1 degrades MHC-II via the endocytic in Hepatocellular Carcinoma | Bo Wu Qian Wang Bowen Li Meixi Jiang | Tumor cell surface antigen recognition is a major hallmark of cancer therapy, and loss of major histocompatibility complex class I (MHC-I) is the most common mechanism that impairs tumor cell surface antigen processing and expression. In addition to this, MHC-II regulates antigen presentation in CD4+ T cell immune responses involved in tumor killing by CD8+ T cells, whereas the regulation of endocytosis regulating MHC-II antigen presentation has not been reported. Therefore, the regulation of... | pmid:36070764 doi:10.1093/carcin/bgac075 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 8 | pubmed:36071022 | Constructing Hypoxia-Tolerant and Host Tumor-Enriched Aggregation-Induced Emission Photosensitizer for Suppressing Malignant Tumors Relapse and Metastasis | Shisheng Cui Shuangxiong Dai Na Lin Xinghui Wu Jianbing Shi Bin Tong Pai Liu Zhengxu Cai Yuping Dong | Photodynamic immunotherapy is a promising treatment strategy that destroys primary tumors and inhibits the metastasis and relapse of distant tumors. As reactive oxygen species are an intermediary for triggering immune responses, photosensitizers (PSs) that can actively target and efficiently trigger oxidative stress are urgently required. Herein, pyrrolo[3,2-b]pyrrole as an electronic donor is introduced in acceptor-donor-acceptor skeleton PSs (TP-IS1 and TP-IS2) with aggregation-induced... | pmid:36071022 doi:10.1002/sml.202203825 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 9 | pubmed:36071027 | A Triple Therapeutic Strategy with Antiexosomal Iron Efflux for Enhanced Ferroptosis Therapy and Immunotherapy | Yu Wang Qinjun Chen Haolin Song Yiwen Zhang Hongyi Chen Peixin Liu Tao Sun Chen Jiang | Ferroptosis is a form of regulated cell death which can not only kill tumor cells but also enhance immunogenicity of tumor cells, and it is evidenced to be involved in a variety of tumor treatments, especially in cancer immunotherapy. Tumor cell-derived exosomes are reported to influence the progression and metastasis process of tumors. In the process of ferroptosis, exosomes are also demonstrated as mediators to export iron under high intracellular iron concentration and resist ferroptosis.... | pmid:36071027 doi:10.1002/sml.202201704 | Wed, 07 Sep 2022 06:00:00 -0400 |

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|------------|-----------------|---|---|--|---|---------------------------------|
| 10 | pubmed:36071033 | High p16 expression and heterozygous RB1 loss are biomarkers for CDK4/6 inhibitor resistance in ER⁺ breast cancer | Marta Palafox Laia Monserrat Meritxell Bellet Guillermo Villacampa Abel Gonzalez-Perez Mafalda Oliveira Fara Brasó-Maristany Nusaibah Ibrahimi Srinivasaraghavan Kannan Leonardo Mina Maria Teresa Herrera-Abreu Andreu Òdena Mònica Sánchez-Guixé Marta Capelán Analía Azaro Alejandra Bruna Olga Rodríguez Marta Guzmán Judit Grueso Cristina Viaplana Javier Hernández Faye Su Kui Lin Robert B Clarke Carlos Caldas Joaquín Arribas Stefan Michiels Alicia García-Sanz Nicholas C Turner Aleix Prat Paolo Nuciforo Rodrigo Dienstmann Chandra S Verma Nuria Lopez-Bigas Maurizio Scaltriti Monica Arnedos Cristina Saura Violeta Serra | CDK4/6 inhibitors combined with endocrine therapy have demonstrated higher antitumor activity than endocrine therapy alone for the treatment of advanced estrogen receptor-positive breast cancer. Some of these tumors are de novo resistant to CDK4/6 inhibitors and others develop acquired resistance. Here, we show that p16 overexpression is associated with reduced antitumor activity of CDK4/6 inhibitors in patient-derived xenografts (n = 37) and estrogen receptor-positive breast cancer cell lines,... | pmid:36071033 doi:10.1038/s41467-022-32828-6 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 11 | pubmed:36071036 | Combination of T cell-redirecting bispecific antibody ERY974 and chemotherapy reciprocally enhances efficacy against non-inflamed tumours | Yuji Sano Yumiko Azuma Toshiaki Tsunenari Yoko Kayukawa Junko Shinozuka Etsuko Fujii Jun Amano Yukari Nishito Toru Maruyama Yasuko Kinoshita Yuichiro Sakamoto Ayae Yoshida Yoko Miyazaki Yuta Sato Chifumi Teramoto-Seida Takahiro Ishiguro Takayoshi Tanaka Takehisa Kitazawa Mika Endo | Identifying a strategy with strong efficacy against non-inflamed tumours is vital in cancer immune therapy. ERY974 is a humanized IgG4 bispecific T cell-redirecting antibody that recognizes glypican-3 and CD3. Here we examine the combination effect of ERY974 and chemotherapy (paclitaxel, cisplatin, and capecitabine) in the treatment of non-inflamed tumours in a xenograft model. ERY974 monotherapy shows a minor antitumour effect on non-inflamed NCI-H446 xenografted tumours, as infiltration of... | pmid:36071036 doi:10.1038/s41467-022-32952-3 | Wed, 07 Sep 2022 06:00:00 -0400 |

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|------------|-----------------|--|---|---|---|---------------------------------|
| 12 | pubmed:36071102 | Author Correction: A new therapy against ulcerative colitis via the intestine and brain using the Si-based agent | Yoshihisa Koyama Yuki Kobayashi Ikuei Hirota Yuanjie Sun Iwao Ohtsu Hiroe Imai Yoshichika Yoshioka Hiroto Yanagawa Takuya Sumi Hikaru Kobayashi Shoichi Shimada | No abstract | pmid:36071102 doi:10.1038/s41598-022-19609-3 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 13 | pubmed:36071112 | ABCB1 variants and sex affect serotonin transporter occupancy in the brain | Leo R Silberbauer Lucas Rischka Chrysoula Vraka Annette M Hartmann Godber Mathis Godbersen Cécile Philippe Daniel Pacher Lukas Nics Manfred Klöbl Jakob Unterholzner Thomas Stimpfl Wolfgang Wadsak Andreas Hahn Marcus Hacker Dan Rujescu Siegfried Kasper Rupert Lanzenberger Gregor Gryglewski | Strategies to personalize psychopharmacological treatment promise to improve efficacy and tolerability. We measured serotonin transporter occupancy immediately after infusion of the widely prescribed P-glycoprotein substrate citalopram and assessed to what extent variants of the ABCB1 gene affect drug target engagement in the brain in vivo. A total of 79 participants (39 female) including 31 patients with major depression and 48 healthy volunteers underwent two PET/MRI scans with the tracer... | pmid:36071112 doi:10.1038/s41380-022-01733-1 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 14 | pubmed:36071114 | Should anti-thymocyte globulin be added in post-transplant cyclophosphamide based matched unrelated donor peripheral blood stem cell transplantation for acute myeloid leukemia? A study on behalf of the Acute Leukemia Working Party of the EBMT | Alexandros Spyridonidis Myriam Labopin Eolia Brissot Ivan Moiseev Jan Cornelissen Goda Choi Fabio Ciceri Jan Vydra Péter Reményi Montserrat Rovira Ellen Meijer Hélène Labussière-Wallet Didier Blaise Gwendolyn van Gorkom Nicolaus Kröger Yener Koc Sebastian Giebel Ali Bazarbachi Bipin Savani Arnon Nagler Mohamad Mohty | In this registry-based study which includes acute myeloid leukemia patients who underwent a matched unrelated donor allogeneic peripheral-blood stem cell transplantation in complete remission and received post-transplant cyclophosphamide (PTCY) as graft-versus-host disease (GvHD) prophylaxis, we compared 421 recipients without anti-thymocyte globulin (ATG) with 151 patients with ATG. The only significant differences between PTCY and PTCY + ATG cohorts were the median year of transplant and the... | pmid:36071114 doi:10.1038/s41409-022-01816-1 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 15 | pubmed:36071253 | Coronary artery disease and cancer: a significant resemblance | Sudeshna Rakshit Geetha Shanmugam Koustav Sarkar | Cancer and coronary artery disease (CAD) are two of the most common causes of death, and they frequently coexist, especially as the world's population ages. CAD can develop prior to or following cancer diagnosis, as well as a side effect of cancer treatment. CAD develops as complex interactions of lifestyle and hereditary variables, just like the development of the most complex and non-communicable diseases. Cancer is caused by both external/acquired factors (tobacco, food, physical activity,... | pmid:36071253 doi:10.1007/s12032-022-01789-7 | Wed, 07 Sep 2022 06:00:00 -0400 |

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| 16 | pubmed:36071263 | Engaging Patients and Caregivers in an Early Health Economic Evaluation: Discerning Treatment Value Based on Lived Experience | Mackenzie Wilson Kednapa Thavorn Terry Hawrysh Ian D Graham Harold Atkins Natasha Kekre Doug Coyle Manoj M Lalu Dean A Fergusson Kelvin K W Chan Daniel A Ollendorf Justin Presseau | CONCLUSIONS: Engaging patients and caregivers in an early economic evaluation could help identify additional costs and benefits of therapies that are not typically recognized in economic evaluations but have the potential to increase the commercial viability of novel therapies. This research also demonstrates how patients and caregivers can be engaged at different levels in the development of early economic evaluation models. | pmid:36071263 doi:10.1007/s40273-022-01180-4 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 17 | pubmed:36071274 | The potential therapeutic effect of klotho on cell viability in human colorectal adenocarcinoma HT-29 cells | Ayla Eker Sariboyaci Onur Uysal Merve Nur Soykan Sibel Gunes | Klotho is an anti-aging, anti-inflammatory, and anti-oxidative protein and has been shown to important role in tumorigenesis, proliferation, survival, autophagy, and resistance to tumor suppressor effects in several types of human cancers. In this study, we aimed to investigate possible anti-tumor and apoptotic effects of exogen klotho in human colorectal adenocarcinoma cells (HT-29) and healthy colon cells (CCD 841 CoN). The WST-8 test was used to determine the half-maximum inhibitory... | pmid:36071274 doi:10.1007/s12032-022-01793-x | Wed, 07 Sep 2022 06:00:00 -0400 |
| 18 | pubmed:36071293 | Folate functionalized gold-coated magnetic nanoparticles effect in combined electroporation and radiation treatment of HPV-positive oropharyngeal cancer | Mahdieh Ahmadi Kamalabadi Ali Neshastehriz Habib Ghaznavi Seyed Mohammad Amini | The rate of HPV-positive oropharyngeal cancer incidence is increasing, especially in the young population. While these patients show good responses to radiotherapy. The major complication of radiotherapy is normal tissue involvement. Thus, finding an effective treatment method is essential. Multimodal therapy with the lowest side effect could be an effective treatment method. Theranostic gold magnetic core-shell nanostructure was developed as a platform for multimodal therapy of HPV-positive... | pmid:36071293 doi:10.1007/s12032-022-01780-2 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 19 | pubmed:36071302 | Epithelial-mesenchymal transition in cancer stemness and heterogeneity: updated | Keywan Mortezaee Jamal Majidpoor Ebrahim Kharazinejad | Epithelial-mesenchymal transition (EMT) as a trans-differentiation program and a key process in tumor progression is linked positively with increased expansion of cancer stem cells and cells with stem-like properties. This is mediated through modulation of critical tumorigenic events and is positively correlated with hypoxic conditions in tumor microenvironment. The presence of cells eliciting diverse phenotypical states inside tumor is representative of heterogeneity and higher tumor resistance... | pmid:36071302 doi:10.1007/s12032-022-01801-0 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 20 | pubmed:36071352 | Simultaneous Targeting of Multiple oncomiRs with Phosphorothioate or PNA-Based Anti-miRs in Lymphoma Cell Lines | Karishma Dhuri Sai Pallavi Pradeep Jason Shi Eleni Anastasiadou Frank J Slack Anisha Gupta Xiao-Bo Zhong Raman Bahal | CONCLUSIONS: This project demonstrated that targeting miRNA-155 and miR-21 simultaneously using nanotechnology and a diverse class of antisense oligomers can be used as an effective approach for lymphoma therapy. | pmid:36071352 doi:10.1007/s11095-022-03383-y | Wed, 07 Sep 2022 06:00:00 -0400 |

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| 21 | pubmed:36071369 | The pleiotropic mode and molecular mechanism of macrophages in promoting tumor progression and metastasis | Xingxing Zhang Wenxiu Bai Lisha Hu Hualan Ha Yuelin Du Wei Xiong Hongbo Wang Panfeng Shang | Macrophages are the most abundant immune cells in primary and metastatic tumor tissues. Studies have shown that macrophages mainly exhibit a tumor-promoting phenotype and play a key role in tumor progression and metastasis. Therefore, many macrophage-targeted drugs have entered clinical trials. However, compared to preclinical studies, some clinical trial results showed that macrophage-targeted therapy did not achieve the desired effect. This may be because most of what we know about macrophages... | pmid:36071369 doi:10.1007/s12094-022-02932-6 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 22 | pubmed:36071388 | Efficacy and safety of monoclonal antibody against calcitonin gene-related peptide or its receptor for migraine patients with prior preventive treatment failure: a network meta-analysis | Xing Wang Dingke Wen Qiang He Chao You Lu Ma | CONCLUSIONS: It appears that CGRP mAbs, especially galcanezumab 240 mg, monthly fremanezumab, and eptinezumab 300 mg, seem to be the best choice for the treatment of migraine patients with previous treatment failures. This finding also calls for future research that examine the associations between these medications in migraine therapy among the same patient group to testify the present findings. | pmid:36071388 doi:10.1186/s10194-022-01472-2 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 23 | pubmed:36071454 | Long noncoding RNA LINC01132 enhances immunosuppression and therapy resistance via NRF1/DPP4 axis in hepatocellular carcinoma | Jiwei Zhang Tao Pan Weiwei Zhou Ya Zhang Gang Xu Qi Xu Si Li Yueying Gao Zhengtao Wang Juan Xu Yongsheng Li | CONCLUSIONS: LINC01132 functions as an oncogenic driver that induces HCC development via the NRF1/DPP4 axis. Silencing LINC01132 may enhance the efficacy of anti-PDL1 immunotherapy in HCC patients. | pmid:36071454 doi:10.1186/s13046-022-02478-z | Wed, 07 Sep 2022 06:00:00 -0400 |
| 24 | pubmed:36071461 | Immunoadsorption versus double-dose methylprednisolone in refractory multiple sclerosis relapses | Steffen Pfeuffer Leoni Rolfes Timo Wirth Falk Steffen Marc Pawlitzki Andreas Schulte-Mecklenbeck Catharina C Gross Marcus Brand Stefan Bittner Tobias Ruck Luisa Klotz Heinz Wiendl Sven G Meuth | OBJECTIVE: Intravenous methylprednisolone is the standard treatment for a multiple sclerosis relapse; however, this fails to improve symptoms in up to one quarter of patients. Immunoadsorption is an accepted treatment for refractory relapses, but prospective comparator-controlled studies are missing. | pmid:36071461 doi:10.1186/s12974-022-02583-y | Wed, 07 Sep 2022 06:00:00 -0400 |
| 25 | pubmed:36071474 | METTL1 promotes neuroblastoma development through m⁷G tRNA modification and selective oncogenic gene translation | Ying Huang Jieyi Ma Cuiyun Yang Paijia Wei Minghui Yang Hui Han Hua Dong Chen Tianfang Yue Shu Xiao Xuanyu Chen Zuoqing Li Yanlai Tang Jiesi Luo Shuibin Lin Libin Huang | CONCLUSION: This study revealed the critical role and mechanism of METTL1-mediated tRNA mG modification in regulating NBL progression, providing new insights for developing therapeutic approaches for NBL patients. | pmid:36071474 doi:10.1186/s40364-022-00414-z | Wed, 07 Sep 2022 06:00:00 -0400 |

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|------------|-----------------|--|---|--|---|---------------------------------|
| 26 | pubmed:36071475 | Human PMSCs-derived small extracellular vesicles alleviate neuropathic pain through miR-26a-5p/Wnt5a in SNI mice model | Yitian Lu Jintao Zhang Fanning Zeng Peng Wang Xiangna Guo Haitao Wang Zaisheng Qin Tao Tao | CONCLUSIONS: We reported that hPMSCs derived sEVs as a promising therapy for nerve injury induced neuropathic pain. In addition, we showed that the miR-26a-5p in the sEVs regulated Wnt5a/Ryk/CaMKII/NFAT partly take part in the analgesia through anti-neuroinflammation, which suggests an alleviating pain effect through non-canonical Wnt signaling pathway in neuropathic pain model in vivo. | pmid:36071475 doi:10.1186/s12974-022-02578-9 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 27 | pubmed:36071488 | Camels' biological fluids contained nanobodies: promising avenue in cancer therapy | Nouf S Al-Numair Abdulrahman Theyab Faisal Alzahrani Anwar M Shams Ibrahim O Al-Anazi Atif Abdulwahab A Oyouni Osama M Al-Amer Charalampos Mavromatis Islam M Saadeldin Wed A Abdali Yousef M Hawsawi | Cancer is a major health concern and accounts for one of the main causes of death worldwide. Innovative strategies are needed to aid in the diagnosis and treatment of different types of cancers. Recently, there has been an evolving interest in utilizing nanobodies of camel origin as therapeutic tools against cancer. Nanotechnology uses nanobodies an emerging attractive field that provides promises to researchers in advancing different scientific sectors including medicine and oncology.... | pmid:36071488 doi:10.1186/s12935-022-02696-7 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 28 | pubmed:36071491 | Effect of downregulated citrate synthase on oxidative phosphorylation signaling pathway in HEI-OC1 cells | Xiaowen Xu Yue Liu Jun Luan Rongrong Liu Yan Wang Yingying Liu Ang Xu Bingxin Zhou Fengchan Han Wenjing Shang | CONCLUSIONS: These results suggest that low level expression of Cs induces the inhibition of oxidative phosphorylation pathway, which is responsible for the high level production of reactive oxygen species and low level of ATP, leading to the apoptosis of cochlear cells. This study may provide new theories for understanding and therapy of progressive hearing loss. | pmid:36071491 doi:10.1186/s12953-022-00196-0 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 29 | pubmed:36071502 | Enhanced photothermal heating and combination therapy of gold nanoparticles on a breast cell model | Amna H Faïd Samia A Shouman Yehia A Badr Marwa Sharaky | Multi-drug resistance (MDR) in addition to the damage to non-malignant normal cells are the most difficult in cancer treatment. Drug delivery and Plasmonic photothermal therapy based on the use of resonant metallic nanoparticles have developed as promising techniques to destroy cancer cells selectively. In the present work, gold nanoparticles (AuNPs) were synthesized using trisodium citrate. The prepared AuNPs have a small size of 14 ± 4 nm and exhibit high stability with Zeta potential - 18 mV,.... | pmid:36071502 doi:10.1186/s13065-022-00859-1 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 30 | pubmed:36071521 | TMBur: a distributable tumor mutation burden approach for whole genome sequencing | Emma Titmuss Richard D Corbett Scott Davidson Sanna Abbasi Laura M Williamson Erin D Pleasance Adam Shlien Daniel J Renouf Steven J M Jones Janessa Laskin Marco A Marra | CONCLUSIONS: TMBur, a shareable workflow, generates consistent whole genome derived TMB estimates predictive of response to ICIs across multiple analysis centres. Reproducible TMB estimates from this approach can improve collaboration and ensure equitable treatment and clinical trial access spanning jurisdictions. | pmid:36071521 doi:10.1186/s12920-022-01348-z | Wed, 07 Sep 2022 06:00:00 -0400 |

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| 31 | pubmed:36071543 | Weight changes after first-line antiretroviral initiation in a cohort of HIV-positive patients in Southern Spain (CAPOTA study) | Cristina Gómez-Ayerbe Rosario Palacios Marisa Mayorga Miguel Nicolas Navarrete Sergio Ferra Inmaculada Ruiz Coral Garcia Manuel Castaño Dolores Merino Antonio Collado Carmen Hidalgo-Tenorio Marcial Delgado Antonio Rivero Jesús Santos | CONCLUSIONS: After ART initiation patients gain weight regardless of the regimen they take. Weight gain is associated with AIDS and the use of TAF/FTC/EVG/c. | pmid:36071543 doi:10.1177/09564624221125356 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 32 | pubmed:36071552 | Sequential rituximab therapy sustains remission of nephrotic syndrome but carries high risk of adverse effects | Aditi Sinha Georgie Mathew Arushi Arushi Srinivasavaradan Govindarajan Kshetrimayum Ghanapriya Neetu Grewal Khushboo Rai Megha Brijwal Sree Laya Kalluru Prachi Tewari Angeli Misra Priyanka Khandelwal Pankaj Hari Arvind Bagga | CONCLUSIONS: Sequential therapy with RTX effectively reduces relapses in patients with difficult-to-treat steroid- and/or CNI-dependent or CNI-refractory nephrotic syndrome. Therapy is associated with high rates of hypogammaglobulinemia and infusion reactions. | pmid:36071552 doi:10.1093/ndt/gfac228 | Wed, 07 Sep 2022 06:00:00 -0400 |
| 33 | pubmed:36071571 | (Pro)renin receptor and insulin signaling regulate cell proliferation in MCF-7 breast cancer cells | Shigemitsu Sato Takuo Hirose Koji Ohba Fumihiko Watanabe Tomoki Watanabe Kazuya Minato Akari Endo Hiroki Ito Takefumi Mori Kazuhiro Takahashi | (Pro)renin receptor [(P)RR] is related to both the renin-angiotensin system and V-ATPase with various functions including stimulation of cell proliferation. (P)RR is implicated in the pathophysiology of diabetes mellitus and cancer. Hyperinsulinemia is observed in obesity-related breast cancer. However, the relationship between (P)RR and insulin has not been clarified. We have therefore studied the effect of insulin on (P)RR expression, cell viability, and AKT phosphorylation under the... | pmid:36071571 doi:10.1093/jb/mvac072 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 34 | pubmed:36071579 | Transferrin receptor 2 (Tfr2) genetic deletion makes transfusion-independent a murine model of transfusion-dependent -thalassemia | Simona Maria Di Modica Emanuele Tanzi Violante Olivari Maria Rosa Lidonnici Mariateresa Pettinato Alessia Pagani Francesca Tiboni Valeria Furiosi Laura Silvestri Giuliana Ferrari Stefano Rivella Antonella Nai | -thalassemia is a genetic disorder caused by mutations in the -globin gene, and characterized by anemia, ineffective erythropoiesis and iron overload. Patients affected by the most severe transfusion-dependent form of the disease (TDT) require lifelong blood transfusions and iron chelation therapy, a symptomatic treatment associated with several complications. Other therapeutic opportunities are available, but none is fully effective and/or applicable to all patients, calling for the... | pmid:36071579 doi:10.1002/ajh.26673 | Thu, 08 Sep 2022 06:00:00 -0400 |

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|------------|-----------------|--|--|---|--|---------------------------------|
| 35 | pubmed:36071725 | Current and Future Treatment of Retinitis Pigmentosa | Nancy Cross Cécile van Steen Yasmina Zegaoui Andrew Satherley Luigi Angelillo | Retinitis Pigmentosa (RP) is a group of inherited retinal dystrophies (IRDs) characterised by progressive vision loss. Patients with RP experience a significant impact on daily activities, social interactions, and employment, reducing their quality of life. Frequent delays in referrals and no standard treatment for most patients also contribute to the high unmet need for RP. This paper aims to describe the evolving therapeutic landscape for RP including the rationale for advanced therapy... | pmid:36071725 pmc:PMC9441588 doi:10.2147/OPHTH.S370032 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 36 | pubmed:36071763 | Small cell lung cancer in young patients: trends in sociodemographic factors, diagnosis, treatment, and survival | Michelle H Lee Muhammad Mustafa Qureshi Kei Suzuki Peter Everett Umit Tapan Kimberley S Mak | CONCLUSIONS: SCLC patients under 50 years old represent a socioeconomically disadvantaged group with advanced disease at presentation. Despite having fewer comorbidities and being offered guideline-concordant treatment, younger patients with SCLC have only marginally better survival than older patients in advanced stages. | pmid:36071763 pmc:PMC9442513 doi:10.21037/jtd-22-210 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 37 | pubmed:36071829 | Bibliometric and visual analysis of blood-testis barrier research | Yifeng Shen Yaodong You Kun Zhu Chunyan Fang Xujun Yu Degui Chang | Background: Extensive research on the blood-testis barrier has been undertaken in recent years. However, no systematic bibliometric study has been conducted on this subject. Our research aimed to identify the hotspots and frontiers of blood-testis barrier research and to serve as a guide for future scientific research and decision-making in the field. Methods: Studies on the blood-testis barrier were found in the Web of Science Core Collection. VOSviewer, CiteSpace, and Microsoft Excel were used... | pmid:36071829 pmc:PMC9441755 doi:10.3389/fphar.2022.969257 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 38 | pubmed:36071838 | Efficacy of immune checkpoint inhibitors in EGFR-Mutant NSCLC patients with EGFR-TKI resistance: A systematic review and meta-analysis | Xiaoyu Qian Xiaodan Guo Ting Li Wei Hu Lin Zhang Caisheng Wu Feng Ye | Background: Epidermal growth factor receptor (EGFR) mutations are common in patients with non-small-cell lung cancer (NSCLC), particularly in Asian populations. Tyrosine kinase inhibitors (TKIs) are a first-line treatment in patients with mutant EGFR, but their use is often accompanied by drug resistance, which leads to disease progression. Chemotherapy and immunotherapy are the main treatment options after progression. The efficacy of immune checkpoint inhibitors (ICIs) and their combination... | pmid:36071838 pmc:PMC9442341 doi:10.3389/fphar.2022.926890 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 39 | pubmed:36071851 | Nalidixic acid potentiates the antitumor activity in sorafenib-resistant hepatocellular carcinoma via the tumor immune microenvironment analysis | Zhi-Yong Liu Dan-Ying Zhang Xia-Hui Lin Jia-Lei Sun Weinire Abuduwaili Guang-Cong Zhang Ru-Chen Xu Fu Wang Xiang-Nan Yu Xuan Shi Bin Deng Ling Dong Shu-Qiang Weng Ji-Min Zhu Xi-Zhong Shen Tao-Tao Liu | Sorafenib resistance is often developed and impedes the benefits of clinical therapy in hepatocellular carcinoma (HCC) patients. However, the relationship between sorafenib resistance and tumor immune environment and adjuvant drugs for sorafenib-resistant HCC are not systemically identified. This study first analyzed the expression profiles of sorafenib-resistant HCC cells to explore immune cell infiltration levels and differentially expressed immune-related genes (DEIRGs). The prognostic value... | pmid:36071851 pmc:PMC9441713 doi:10.3389/fphar.2022.952482 | Thu, 08 Sep 2022 06:00:00 -0400 |

| NCT Number | | Title | Authors | Description | Identifier | Dates |
|------------|-----------------|--|--|--|--|---------------------------------|
| 40 | pubmed:36071867 | An Immune-Related Genetic Feature Depicted the Heterogeneous Nature of Lung Adenocarcinoma and Squamous Cell Carcinoma and Their Distinctive Predicted Drug Responses | Qiuyuan Li Yan Jiang Nan Song Bin Zhou Zhao Li Lei Lin | One of the primary causes of global cancer-associated mortality is lung cancer (LC). Current improvements in the management of LC rely mainly on the advancement of patient stratification, both molecularly and clinically, to achieve the maximal therapeutic benefit, while most LC screening protocols remain underdeveloped. In this research, we first employed two algorithms (ESTIMATE and xCell) to calculate the immune/stromal infiltration scores. This helped identify the altered immune infiltration... | pmid:36071867 pmc:PMC9442502 doi:10.1155/2022/8447083 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 41 | pubmed:36071886 | Short- and long-term outcome of allogeneic stem cell transplantation in infants: A single-center experience over 20 years | Justyna Mikiewicz-Bujna Izabella Mikiewicz-Migo Zofia Szmit Dawid Przystupski Monika Rosa Anna Król Krzysztof Kawak Marek Ussowicz Ewa Gorczyńska | CONCLUSIONS: Improvements in unrelated donor availability, and better supportive care resulted in better outcomes. Management of infant allo-HSCT recipients requires the formation of multi-disciplinary specialist teams. In addition, the role of parental empowerment must be acknowledged; for example, in speech therapy and rehabilitation. | pmid:36071886 pmc:PMC9441786 doi:10.3389/fped.2022.956108 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 42 | pubmed:36071908 | Phenytoin as seizure prophylaxis in hematopoietic stem cell transplantation with busulfan conditioning | R S Germeraad A M P Demandt R P W Rouhl | CONCLUSION: We conclude that phenytoin prophylaxis in patients treated with busulfan is obsolete and possibly harmful, as phenytoin intoxication can occur. We recommend discontinuing the use of phenytoin as primary seizure prophylaxis in these patients. | pmid:36071908 pmc:PMC9441567 doi:10.3389/fneur.2022.928550 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 43 | pubmed:36071978 | HupB, a nucleoid-associated protein, is critical for survival of <i>Mycobacterium tuberculosis</i> under host-mediated stresses and for enhanced tolerance to key first-line antibiotics | Niti Singh Nishant Sharma Padam Singh Manitosh Pandey Mohd Ilyas Lovely Sisodiya Tejaswini Choudhury Tannu Priya Gosain Ramandeep Singh Krishnamohan Atmakuri | To survive and establish its niche, <i>Mycobacterium tuberculosis</i> (Mtb) engages in a steady battle against an array of host defenses and a barrage of antibiotics. Here, we demonstrate that Mtb employs HupB, a nucleoid-associated protein (NAP) as its key player to simultaneously battle and survive in these two stress-inducing fronts. Typically, NAPs are key to bacterial survival under a wide array of environmental or host-mediated stresses. Here, we report that for Mtb to survive under different... | pmid:36071978 pmc:PMC9441915 doi:10.3389/fmicb.2022.937970 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 44 | pubmed:36071981 | miRNA therapeutics in precision oncology: a natural premium to nurture | Chakresh Kumar Jain Poornima Srivastava Amit Kumar Pandey Nisha Singh R Suresh Kumar | The dynamic spectrum of microRNA (miRNA) has grown significantly over the years with its identification and exploration in cancer therapeutics and is currently identified as an important resource for innovative strategies due to its functional behavior for gene regulation and modulation of complex biological networks. The progression of cancer is the consequence of uncontrolled, nonsynchronous procedural faults in the biological system. Diversified and variable cellular response of cancerous... | pmid:36071981 pmc:PMC9446160 doi:10.37349/etat.2022.00098 | Thu, 08 Sep 2022 06:00:00 -0400 |

| NCT Number | | Title | Authors | Description | Identifier | Dates |
|------------|-----------------|---|---|---|---|---------------------------------|
| 45 | pubmed:36071982 | Applications and challenges of biomaterial mediated mRNA delivery | Huapan Fang Qian Chen | With the rapid development of gene therapy technology and the outbreak of coronavirus disease 2019 (COVID-19), messenger RNA (mRNA) therapeutics have attracted more and more attention, and the COVID-19 mRNA vaccine has been approved by the Food and Drug Administration (FDA) for emergency authorization. To improve the delivery efficiency of mRNA in vitro and in vivo, researchers have developed a variety of mRNA carriers and explored different administration routes. This review will systematically... | pmid:36071982 pmc:PMC9446159 doi:10.37349/etat.2022.00093 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 46 | pubmed:36072007 | Roles of ABCA1 in cancer | Kun Wu Longwei Zou Xiaoyong Lei Xiaoyan Yang | Studies have indicated that anticancer drugs targeting cholesterol metabolism have clinical significance. From the perspective of the mechanism of cholesterol excretion from cells, ATP-binding cassette (ABC)A1 has an essential role that cannot be ignored. ABCA1 is located on the cell membrane and able to mediate the efflux of lipids, such as intracellular cholesterol, thereby initiating reverse cholesterol transport to reduce the intracellular cholesterol level. Therefore, inducing the... | pmid:36072007 pmc:PMC9434721 doi:10.3892/ol.2022.13469 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 47 | pubmed:36072128 | Could TNF-antagonists be a novel treatment strategy for BPH patients? | Renee E Vickman Omar E Franco Simon W Hayward | Tumor necrosis factor (TNF) is widely recognized as a pivotal player in both systemic and local inflammatory processes. Due to the critical role this molecule has in driving both chronic and acute inflammation, it was among the earliest therapeutic targets utilized for patients with autoimmune (AI) diseases. While inflammation in the prostate is commonly observed, the organ has not previously been considered a target of systemic inflammation associated with some AI diseases. In patients with... | pmid:36072128 pmc:PMC9189611 doi:10.15698/cst2022.06.268 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 48 | pubmed:36072171 | Photodynamic Therapy Using Intense Pulse Light to Treat an HIV Patient With Perianal Squamous Cell Carcinoma: A Case Report | Melissa Jomsky Christian Hailey Summa Matthew B Zarraga Michelle Demory Beckler | Anogenital warts are considered one of the most common sexually transmitted infections caused by the human papillomavirus (HPV). One of the primary considerations with HPV is the virus's high rate to develop into squamous cell carcinoma (SCC). SCC is one of the leading causes of skin cancer with a variety of treatment options. The gold standard of treatment for SCC is surgical excision. Complications may arise for those that are considered immunocompromised, or lack of efficacy may be taken into... | pmid:36072171 pmc:PMC9440736 doi:10.7759/cureus.27679 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 49 | pubmed:36072191 | Management and Prognosis of Physical Therapy for the Post-Surgical Sequelae of Metastatic Cervical Lymphadenopathy | Sakina S Saifee Shubhangi P Patil Rupali B Thorat Shivani S Lalwani Tasneem M Lakkadsha | A common secondary complication of oral malignant carcinoma is metastatic cervical lymphadenopathy. The condition is typically treated surgically, with the affected cervical lymph nodes excised, followed by pharmacological treatment. However, additional complications such as asymmetry of facial features, reduced mouth opening, adhesions in sutured tissues, and so on accompany surgical management. This case report describes a case of an adult male who underwent surgery for metastatic cervical... | pmid:36072191 pmc:PMC9440363 doi:10.7759/cureus.27673 | Thu, 08 Sep 2022 06:00:00 -0400 |

| NCT Number | | Title | Authors | Description | Identifier | Dates |
|------------|-----------------|---|---|---|--|---------------------------------|
| 50 | pubmed:36072222 | Understanding the contribution of metabolism to <i>Mycobacterium tuberculosis</i> drug tolerance | Amanda N Samuels Erin R Wang Gregory A Harrison Joy C Valenta Christina L Stallings | Treatment of Mycobacterium tuberculosis (Mtb) infections is particularly arduous. One challenge to effectively treating tuberculosis is that drug efficacy in vivo often fails to match drug efficacy in vitro. This is due to multiple reasons, including inadequate drug concentrations reaching Mtb at the site of infection and physiological changes of Mtb in response to host derived stresses that render the bacteria more tolerant to antibiotics. To more effectively and efficiently treat tuberculosis,... | pmid:36072222 pmc:PMC9441742 doi:10.3389/fcimb.2022.958555 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 51 | pubmed:36072223 | Emerging story of gut dysbiosis in spondyloarthropathy: From gastrointestinal inflammation to spondyloarthritis | Xing Lyu Jieli Chen Xingjie Gao Jie Yang | As a set of inflammatory disorders, spondyloarthritis (SpA) exhibits distinct pathophysiological, clinical, radiological, and genetic characteristics. Due to the extra-articular features of this disorder, early recognition is crucial to limiting disability and improving outcomes. Gut dysbiosis has been linked to SpA development as evidence grows. A pathogenic SpA process is likely to occur when a mucosal immune system interacts with abnormal local microbiota, with subsequent joint involvement.... | pmid:36072223 pmc:PMC9441705 doi:10.3389/fcimb.2022.973563 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 52 | pubmed:36072230 | Second-line therapy in testicular germ cell tumours: results from a tertiary cancer care centre in India | Amit Joshi Devanshi Kalra Vijai Simha Nandini Menon Vanita Noronha Ganesh Bakshi Gagan Prakash Mahendra Pal Vedang Murthy Santosh Menon Nilesh Sable Archi Agrawal Pallavi Rane Kumar Prabhash | CONCLUSION: Second-line chemotherapy in testicular germ cell tumours can result in long-term disease control and all patients who are fit to tolerate second-line therapy should be offered it. Patients with relapsed seminoma did better than relapsed non-seminomatous germ cell tumours. | pmid:36072230 pmc:PMC9377817 doi:10.3332/ecancer.2022.1408 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 53 | pubmed:36072235 | Development of a murine model of oral carcinogenesis: an accelerated tool for biomarker and anti-tumour drug discovery | Sofia Ali Syed Muhammad Asif Qureshi Saeed Khan Rajesh Kumar Yusra Shafique Bilal Ahmed Khan Jawad Safdar | Oral squamous cell carcinoma (OSCC) is the most common cancer in Pakistani men and the second most common cancer in women. The objective of our study was to devise a novel accelerated murine model of oral carcinogenesis that can be exploited as a tool to investigate the cancer circuitry involved in OSCC and to identify molecules of diagnostic, therapeutic and prognostic significance. A total of 40 healthy male, 6-8 weeks old, 22 ± 2 gram, Naval Medical Research Institute (NMRI) outbred strain... | pmid:36072235 pmc:PMC9377819 doi:10.3332/ecancer.2022.1413 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 54 | pubmed:36072236 | ALK-positive advanced non-small cell lung cancer patients with poor performance status: Outcomes in a real-world scenario | Ajaykumar Singh Akhil Kapoor Vanita Noronha Vijay Patil Nandini Menon Abhishek Mahajan Amit Janu Nilendru Purandare Rajiv Kaushal Kumar Prabhash | CONCLUSION: The ALK-rearranged NSCLC patients with poor PS derived significant benefits with ALK inhibitors. The outcomes were significantly poorer as compared to patients with PS 0-1; the subgroup of patients with PS 2 had better outcomes as compared to patients with PS 3-4. | pmid:36072236 pmc:PMC9377804 doi:10.3332/ecancer.2022.1407 | Thu, 08 Sep 2022 06:00:00 -0400 |

| NCT Number | | Title | Authors | Description | Identifier | Dates |
|------------|-----------------|--|--|---|---|---------------------------------|
| 55 | pubmed:36072272 | Targeting Aberrant Histone Posttranscription Modification Machinery in Esophageal Squamous Cell Carcinoma: Current Findings and Challenges | Gang Ma Tongyang Gong Zhihua Liu | Esophageal squamous cell carcinoma (ESCC) is an aggressive malignancy, but the survival rates of patients with ESCC have not improved as yet largely because the available targeted therapies are limited. Histone posttranscription modification (PTM) is a critical epigenetic regulation. Several deregulations in histone PTM machinery have been identified to promote malignant phenotypes of ESCC, providing druggable targets in treating ESCC. Hereby, we briefly describe current progress and challenges... | pmid:36072272 pmc:PMC9422329 doi:10.34133/2022/9814607 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 56 | pubmed:36072283 | Efficacy of avelumab plus axitinib for advanced renal cell carcinoma as late-line therapy: A case report | Ayano Uekawa Ryoma Kurahashi Takanobu Motoshima Yoji Murakami Junji Yatsuda Tomomi Kamba | A 46-year-old man developed a right renal tumor with multiple lung and hilar lymph node metastases. Laparoscopic radical nephrectomy was performed, and clear cell renal cell carcinoma was diagnosed 6 years earlier. Despite the use of available systemic therapeutic agents, atelectasis in the right upper lobe due to a pulmonary hilar mass and brain metastases reduced his performance, and he was becoming terminally ill. After administration of avelumab plus axitinib as 9th-line therapy, significant... | pmid:36072283 pmc:PMC9441301 doi:10.1016/j.eucr.2022.102198 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 57 | pubmed:36072292 | Iodine-Rich Nanoadjuvants for CT Imaging-Guided Photodynamic Immunotherapy of Breast Cancer | Xiaoyan Xin Xiaoyue Ni Kang Shi Jie Shao Yanqiu Zhang Xin Peng Wen Yang Chuanshuai Tian Wen Zhou Bing Zhang | Immunotherapy, which stimulates the body's own immune system to kill cancer cells, has shown great promise in the field of cancer therapy. However, the uncontrolled biodistribution of immunotherapeutic drugs may cause severe side effects. Herein, we report an iodine-rich nanoadjuvant (INA) for photo-immunotherapy. INA is prepared by encapsulating a toll-like receptor 7 agonist (R837) and a photosensitizer (phthalocyanine) into an iodine-rich amphiphilic copolymer PEG-PHEMA-I. By virtue of the... | pmid:36072292 pmc:PMC9442603 doi:10.3389/fbioe.2022.915067 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 58 | pubmed:36072339 | Editorial: Tumor microenvironment (TME) and tumor immune microenvironment (TIME): New perspectives for prognosis and therapy | Rodrigo Nalio Ramos Mariane Tami Amano Adriana Franco Paes Leme Jay Willian Fox Ana Karina de Oliveira | No abstract | pmid:36072339 pmc:PMC9442672 doi:10.3389/fcell.2022.971275 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 59 | pubmed:36072340 | Transfer RNAs-derived small RNAs and their application potential in multiple diseases | Xiaohua Chu Chenyang He Bo Sang Chaofei Yang Chong Yin Mili Ji Airong Qian Ye Tian | The role of tRNAs is best known as adapter components of translational machinery. According to the central dogma of molecular biology, DNA is transcribed to RNA and in turn is translated into proteins, in which tRNA outstands by its role of the cellular courier. Recent studies have led to the revision of the canonical function of transfer RNAs (tRNAs), which indicates that tRNAs also serve as a source for short non-coding RNAs called tRNA-derived small RNAs (tsRNAs). tsRNAs play key roles in... | pmid:36072340 pmc:PMC9441921 doi:10.3389/fcell.2022.954431 | Thu, 08 Sep 2022 06:00:00 -0400 |

| NCT Number | | Title | Authors | Description | Identifier | Dates |
|------------|-----------------|--|--|--|---|---------------------------------|
| 60 | pubmed:36072388 | In vivo assessment of simultaneous G1 cyclins silencing by a tumor-specific bidirectional promoter on the mammary tumor in nude mice | Gholamreza Mesbah Fatemeh Namazi Fatemeh T Shamsabadi Zahra Maleki Mehrab Nasirikenari Majid Shahbazi | Dysregulation of G1 cyclins (cyclins D1 A and E) expression contributes to the loss of standard cell cycle control during tumorigenesis. This study aims to evaluate the inhibitory effect of G1 cyclins in nude mice. The human breast cancer MDA-MB-231 cells were subcutaneously transplanted into the supra-femoral right side of female Balb/c-nude mice. The dual shRNA vector harboring G1 cyclins shRNAs (bipSUR) was intratumorally injected by the in vivo jetPEI transfection reagent for 2 weeks. We... | pmid:36072388 pmc:PMC9443516 doi:10.3389/fvets.2022.914311 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 61 | pubmed:36072510 | Pyruvate Kinase Deficiency: Current Challenges and Future Prospects | Bruno Fattizzo Francesca Cavallaro Anna Paola Maria Luisa Marcello Cristina Vercellati Wilma Barcellini | Pyruvate kinase deficiency (PKD) is a rare autosomal recessive disease marked by chronic hemolytic anemia of various severity and frequent complications including gallstones, splenomegaly, iron overload, and others. Disease phenotype is highly heterogeneous and changes over time with children, adolescents and adult patients displaying different transfusion requirement and rates of complications. The diagnosis relies on the initial clinical suspicion in a patient with chronic hemolysis and... | pmid:36072510 pmc:PMC9444143 doi:10.2147/JBM.S353907 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 62 | pubmed:36072540 | Therapeutic drug monitoring and CYP2C19 genotyping guide the application of voriconazole in children | Xiaomin Chen Yuhua Xiao Huiping Li Zhi Huang Jingyu Gao Xinyao Zhang Yirong Li Bindanda Mvuama Van Timothee Xiaoqin Feng | CONCLUSIONS: Our study showed significant individual differences of VCZ metabolism in children. Combining TDM with CYP2C19 gene polymorphism has important guiding significance for individualized antifungal therapy in pediatric patients. | pmid:36072540 pmc:PMC9442201 doi:10.21037/tp-22-156 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 63 | pubmed:36072559 | Role of lupeol in chemosensitizing therapy-resistant prostate cancer cells by targeting MYC, -catenin and c-FLIP: in silico and in vitro studies | Santosh Kumar Maurya Homa Fatma Akhilesh Kumar Maurya Nidhi Mishra Hifzur R Siddique | Prostate cancer (CaP) is one of the most frequent malignancies amongst men. Enzalutamide is the second-generation potent androgen receptor (AR) antagonist used against metastatic and non-metastatic CaP. Unfortunately, the development of chemoresistance in cancer cells reduces the effectiveness of Enzalutamide. Lupeol is a pentacyclic triterpene found in different fruits, vegetables, and medicinal plants and possesses anti-inflammatory and anti-cancer properties. Here, we report in silico and in... | pmid:36072559 pmc:PMC9441409 doi:10.1007/s40203-022-00131-3 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 64 | pubmed:36072596 | Purinergic receptors are a key bottleneck in tumor metabolic reprogramming: The prime suspect in cancer therapeutic resistance | Hamid Aria Marzieh Rezaei Shima Nazem Abdolreza Daraei Ghasem Nikfar Behnam Mansoori Maryam Bahmanyar Alireza Tavassoli Mohammad Kazem Vakil Yaser Mansoori | ATP and other nucleoside phosphates have specific receptors named purinergic receptors. Purinergic receptors and ectonucleotidases regulate various signaling pathways that play a role in physiological and pathological processes. Extracellular ATP in the tumor microenvironment (TME) has a higher level than in normal tissues and plays a role in cancer cell growth, survival, angiogenesis, metastasis, and drug resistance. In this review, we investigated the role of purinergic receptors in the... | pmid:36072596 pmc:PMC9444135 doi:10.3389/fimmu.2022.947885 | Thu, 08 Sep 2022 06:00:00 -0400 |

| NCT Number | | Title | Authors | Description | Identifier | Dates |
|------------|-----------------|---|--|---|--|---------------------------------|
| 65 | pubmed:36072605 | Interferon gamma as an immune modulating adjunct therapy for invasive mucormycosis after severe burn - A case report | Dina M Tawfik Caroline Dereux Jan-Alexis Tremblay Andre Boibieux Fabienne Braye Jean-Baptiste Cazauran Meja Rabodonirina Elisabeth Cerrato Audrey Guichard Fabienne Venet Guillaume Monneret Didier Payen Anne-Claire Lukaszewicz Julien Textoris | CONCLUSION: The treatment with recombinant IFN- participated to the resolution of a progressively invasive mucormycosis infection, with rapid improvement in immune parameters. In the era of precision medicine in the ICU, availability of comprehensive immune monitoring tools could help guiding management of refractory infections and provide rationale for immune stimulation strategies in these high risk patients. | pmid:36072605 pmc:PMC9442803 doi:10.3389/fimmu.2022.883638 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 66 | pubmed:36072638 | Exploration of the Effects of TGF- Pathway-Based Pituitary Tumor of Rats on GH3 Cell Line after Intervention with Different Concentrations of TGZ | Jiafeng Duan Chunmei Hu Qiujuan Zhang Jin Zhu | The effect of the TGF- pathway-based pituitary tumor of rats on the GH3 cell line after intervention with different concentrations of troglitazone (TGZ) is explored. The CH3 cell line of 24 clean male SD rats with pituitary adenoma is selected. The cells are divided into a blank contrast set and an experimental set. The experimental set is divided into different TGZ concentration sets, including $1 \times 10^{(-3)}$ TGZ set, $1 \times 10^{(-4)}$ TGZ set, and $1 \times 10^{(-5)}$ TGZ set. The cell proliferation is... | pmid:36072638 pmc:PMC9402356 doi:10.1155/2022/7445042 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 67 | pubmed:36072663 | Circulating adipokine levels and preeclampsia: A bidirectional Mendelian randomization study | Xiaoyan Chen Zhaoming Liu Jingen Cui Xiaolan Chen Jing Xiong Wei Zhou | Background: Several observational studies have demonstrated that significantly rising circulating adipokine levels are pervasive in preeclampsia or eclampsia disorder (or preeclampsia toxemia (PET)). However, it remains unclear whether this relationship is causal. In this study, we sought to elucidate the causal effects of circulating adipokine levels on PET. Methods: Summary-level data and independent genetic variants strongly associated with common adipokine molecule (adiponectin, leptin,... | pmid:36072663 pmc:PMC9444139 doi:10.3389/fgene.2022.935757 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 68 | pubmed:36072668 | Case Report: Long-term follow-up of desert hedgehog variant caused 46, XY gonadal dysgenesis with multiple complications in a Chinese child | Lili Pan Zhuoguang Li Zhe Su Wei Su Rongfei Zheng Weiyang Chen Xuezhi He Jianming Song Shoulin Li Pengqiang Wen | Background: Desert hedgehog (DHH), as a member of the Hedgehog (HH) family, is mainly involved in testicular development and peripheral nerve sheath formation. A DHH variant has been identified in patients with 46, XY gonadal dysgenesis (46, XY GD) with or without neuropathy, but few reports mention the involvement of other complications. Case presentation: Here, we report a Chinese female patient who was hospitalized at 14.3 years old due to slow breast development for more than 1 year. She had... | pmid:36072668 pmc:PMC9441908 doi:10.3389/fgene.2022.954288 | Thu, 08 Sep 2022 06:00:00 -0400 |

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| 69 | pubmed:36072671 | Efficacy of Long-Term Treatment of Autosomal Recessive Hypercholesterolemia With Lomitapide: A Subanalysis of the Pan-European Lomitapide Study | Laura D'Erasmo Antonina Giammanco Patrizia Suppressa Chiara Pavanello Gabriella Iannuzzo Alessia Di Costanzo Daniele Tramontano Ilenia Minicocci Simone Bini Anja Vogt Kim Stewards Jeanine Roeters Van Lennep Stefano Bertolini Marcello Arca Italian and European Working Group on Lomitapide in HoFH | Background and aim: Autosomal recessive hypercholesterolemia (ARH) is a rare autosomal recessive disorder of low-density lipoprotein (LDL) metabolism caused by pathogenic variants in the LDLRAP1 gene. Like homozygous familial hypercholesterolemia, ARH is resistant to conventional LDL-lowering medications and causes a high risk of atherosclerotic cardiovascular diseases (ASCVDs) and aortic valve stenosis. Lomitapide is emerging as an efficacious therapy in classical HoFH, but few data are... | pmid:36072671 pmc:PMC9442671 doi:10.3389/fgene.2022.937750 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 70 | pubmed:36072677 | Significance of ZEB2 in the immune microenvironment of colon cancer | Hao Xie Zhaoying Wu Zhenhan Li Yong Huang Junwei Zou Hailang Zhou | Background: ZEB2 is a protein-coding gene that is differentially expressed in tumors and can regulate the growth of tumor cells. This study investigated the specific regulatory mechanism of ZEB2 in COAD, a common cancer with high rates of morbidity and mortality. Methods: Multi-omics panoramic display of expression and function of ZEB2 in colon cancer. R software was used to study the expression of ZEB2 in 33 types of cancer. Furthermore, RT-PCR was used to detect the expression of ZEB2 in colon... | pmid:36072677 pmc:PMC9442042 doi:10.3389/fgene.2022.995333 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 71 | pubmed:36072694 | Prevention of congenital syphilis using ceftriaxone in a woman with Stevens-Johnson syndrome reaction to penicillin: A case report | Meredith Coyle Shawn Depcinski Muthayipalayam Thirumoorthi | CONCLUSION: The goal of this report is to increase awareness of ceftriaxone as an alternative to penicillin in the prevention of CS and to raise the possibility of adjusting AAP guidelines accordingly. However, studies to determine the best route and timing of therapy are necessary. | pmid:36072694 pmc:PMC9441298 doi:10.1016/j.crwh.2022.e00446 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 72 | pubmed:36072705 | Multifunctional exosomes derived from bone marrow stem cells for fulfilled osseointegration | Jingwen Zhuang Ruiyue Hang Ruoyue Sun Yanshu Ding Xiaohong Yao Ruiqiang Hang Hui Sun Long Bai | Bone marrow mesenchymal stem cells (BMSCs) have self-renewal, multi-directional differentiation potential, and immune regulation function and are widely used for de novo bone formation. However, the wide variation in individual amplification, the potential risk of cancer cell contamination, and the need for culture time significantly limit their widespread use clinically. Alternatively, numerous studies have shown that exosomes secreted by BMSCs in the nanoscale can also affect the functionality... | pmid:36072705 pmc:PMC9441814 doi:10.3389/fchem.2022.984131 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 73 | pubmed:36072765 | A rare B-cell type chronic active Epstein-Barr virus infection patient mimicking lymphoma on ¹⁸F-FDG PET/CT and literature review | Hao Jiao Yongbai Zhang Zhao Chen Xueqi Chen Yongkang Qiu Wenpeng Huang Lin Nong Lei Kang | A 13-year-old girl suffered from worsen snoring and persistent bilateral nasal congestion for one year. Paranasal sinus computed tomography (CT) and magnetic resonance imaging (MRI) found nasopharyngeal passages and sinus were occupied with soft tissues and bilateral neck enlarged lymph nodes 6 months ago. Tumor markers were normal. The titers of anti-Epstein-Barr virus (EBV) IgM, anti-EBV IgG, early antigen (EA) IgG, and Epstein-Barr nuclear antigen (EBNA) IgG increased.... | pmid:36072765 pmc:PMC9441925 | Thu, 08 Sep 2022 06:00:00 -0400 |

| NCT Number | | Title | Authors | Description | Identifier | Dates |
|------------|-----------------|--|---|---|---|---------------------------------|
| 74 | pubmed:36072791 | PKIB involved in the metastasis and survival of osteosarcoma | Rongxue Wan Gu Yang Qianzhen Liu Xiaokang Fu Zengping Liu Huilai Miao Huan Liu Wenhua Huang | Osteosarcoma is frequently metastasized at the time of diagnosis in patients. However, the underlying mechanism of osteosarcoma metastasis remains poorly understood. In this study, we evaluated DNA methylation profiles combined with gene expression profiles of 21 patients with metastatic osteosarcoma and 64 patients with non-metastatic osteosarcoma from TARGET database and identified PKIB and AIM2 as hub genes related to the metastasis of osteosarcoma. To verify the effects of PKIB on migration... | pmid:36072791 pmc:PMC9441607 doi:10.3389/fonc.2022.965838 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 75 | pubmed:36072793 | Comprehensive germline and somatic genomic profiles of Chinese patients with biliary tract cancer | Haipeng Yu Yan Xu Wei Gao Mei Li Ji'an He Xiaoqian Deng Wenge Xing | CONCLUSION: Our study elaborated the distinct germline and somatic genomic characteristics of Chinese BTC patients and identified clinically actionable alterations, highlighting the possibility for the development and application of precision medicine. | pmid:36072793 pmc:PMC9441936 doi:10.3389/fonc.2022.930611 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 76 | pubmed:36072799 | Importance of the endometrial immune environment in endometrial cancer and associated therapies | Hannah van der Woude Kathryn Elizabeth Hally Margaret Jane Currie Olivier Gasser Claire Elizabeth Henry | Endometrial cancer is rising in prevalence. The standard treatment modality of hysterectomy is becoming increasingly inadequate due primarily to the direct link between endometrial cancer and high BMI which increases surgical risks. This is an immunogenic cancer, with unique molecular subtypes associated with differential immune infiltration. Despite the immunogenicity of endometrial cancer, there is limited pre-clinical and clinical evidence of the function of immune cells in both the normal... | pmid:36072799 pmc:PMC9441707 doi:10.3389/fonc.2022.975201 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 77 | pubmed:36072803 | Emerging roles of ferroptosis in glioma | Jiaqi Shi Ning Yang Mingzhi Han Chen Qiu | Glioma is the most common primary malignant tumor in the central nervous system, and directly affects the quality of life and cognitive function of patients. Ferroptosis, is a new form of regulated cell death characterized by iron-dependent lipid peroxidation. Ferroptosis is mainly due to redox imbalance and involves multiple intracellular biology processes, such as iron metabolism, lipid metabolism, and antioxidants synthesis. Induction of ferroptosis could be a new target for glioma treatment,... | pmid:36072803 pmc:PMC9441765 doi:10.3389/fonc.2022.993316 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 78 | pubmed:36072804 | Prediction of survival in oropharyngeal squamous cell carcinoma using machine learning algorithms: A study based on the surveillance, epidemiology, and end results database | Su Il Kim Jeong Wook Kang Young-Gyu Eun Young Chan Lee | CONCLUSIONS: We demonstrated various machine-learning-based survival prediction models. The CSF model showed a better performance in predicting the survival of patients with OPSCC in terms of the RMSE and RAE. In this context, machine learning models based on personalized survival predictions can be used to stratify various complex risk factors. This could help in designing personalized treatments and predicting prognoses for patients. | pmid:36072804 pmc:PMC9441569 doi:10.3389/fonc.2022.974678 | Thu, 08 Sep 2022 06:00:00 -0400 |

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|------------|-----------------|--|--|--|---|---------------------------------|
| 79 | pubmed:36072805 | Effect of infection with hepatitis B virus on the survival outcome of diffuse large B-cell lymphoma in the prophylactic antiviral era | Reyizha Nuersulitan Miaomiao Li Lan Mi Meng Wu Xinqiang Ji Yiqi Liu Hong Zhao Guiqiang Wang Yuqin Song Jun Zhu Weiping Liu | Patients with lymphoma who are also infected with Hepatitis B virus (HBV) have a poor prognosis. This could be partly explained by the delay or premature termination of anti-tumor treatment because of HBV reactivation. However, there is limited data on the survival outcome of patients HBV-related lymphoma in the era of prophylactic antivirals. Data for 128 patients with HBV surface antigen-positive diffuse large B-cell lymphoma was collected. The median age was 54 years and the ratio of men to... | pmid:36072805 pmc:PMC9441704 doi:10.3389/fonc.2022.989258 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 80 | pubmed:36072807 | Development and validation of a novel fibroblast scoring model for lung adenocarcinoma | Shiyou Wei Xuyu Gu Wentian Zhang | The interaction between cancer-associated fibroblasts (CAFs) and the tumor microenvironment (TME) is a key factor for promoting tumor progression. In lung cancer, the crosstalk between CAFs and malignant and immune cells is expected to provide new directions for the development of immunotherapy. In this study, we have systematically analyzed a single-cell dataset and identified interacting genes between CAFs and other cells. Subsequently, a robust fibroblast-related score (FRS) was developed.... | pmid:36072807 pmc:PMC9444064 doi:10.3389/fonc.2022.905212 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 81 | pubmed:36072863 | Diabetic dyslipidemia impairs coronary collateral formation: An update | Ying Shen Xiao Qun Wang Yang Dai Yi Xuan Wang Rui Yan Zhang Lin Lu Feng Hua Ding Wei Feng Shen | Coronary collateralization is substantially impaired in patients with type 2 diabetes and occlusive coronary artery disease, which leads to aggravated myocardial ischemia and a more dismal prognosis. In a diabetic setting, altered serum lipid profiles and profound glycoxidative modification of lipoprotein particles induce endothelial dysfunction, blunt endothelial progenitor cell response, and severely hamper growth and maturation of collateral vessels. The impact of dyslipidemia and... | pmid:36072863 pmc:PMC9441638 doi:10.3389/fcvm.2022.956086 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 82 | pubmed:36072870 | Preclinical multi-target strategies for myocardial ischemia-reperfusion injury | Yuqing Li Yi Gao Guangping Li | Despite promising breakthroughs in diagnosing and treating acute coronary syndromes, cardiovascular disease's high global mortality rate remains indisputable. Nearly half of these patients died of ischemic heart disease. Primary percutaneous coronary intervention (PCI) and coronary artery bypass grafting can rapidly restore interrupted blood flow and become the most effective method for salvaging viable myocardium. However, restoring blood flow could increase the risk of other complications and... | pmid:36072870 pmc:PMC9444048 doi:10.3389/fcvm.2022.967115 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 83 | pubmed:36072879 | CYP2C19 loss-of-function alleles predicts clinical outcomes in East Asian patients with acute myocardial infarction undergoing percutaneous coronary intervention and stenting receiving clopidogrel | Yu-Wei Chen Yi-Ju Liao Wei-Chun Chang Tzu-Hung Hsiao Ching-Heng Lin Chiann-Yi Hsu Tsun-Jui Liu Wen-Lieng Lee Yi-Ming Chen | CONCLUSION: In East Asians presenting with AMI, CYP2C19 PM was associated with deleterious cardiovascular outcomes and stroke. Our results reinforce the crucial role of preemptive CYP2C19 genotyping in East Asian AMI patients receiving clopidogrel treatment. | pmid:36072879 pmc:PMC9441652 doi:10.3389/fcvm.2022.994184 | Thu, 08 Sep 2022 06:00:00 -0400 |

| NCT Number | | Title | Authors | Description | Identifier | Dates |
|------------|-----------------|---|--|---|---|---------------------------------|
| 84 | pubmed:36072880 | CYP2C19 polymorphisms and lipoproteins associated with clopidogrel resistance in children with Kawasaki disease in China: A prospective study | Mingming Zhang Li Meng Yeshi Chen Xiaohui Li Lin Shi | CONCLUSION: Carrying CYP2C19 LOF allele, low levels of high-density lipoprotein, and high levels of low-density lipoprotein were independent risk factors for CR in children with KD in China. This may benefit pediatricians in choosing appropriate individualized antiplatelet therapy. | pmid:36072880 pmc:PMC9441694 doi:10.3389/fcvm.2022.925518 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 85 | pubmed:36072945 | Imaging and biopsy of HIV-infected individuals undergoing analytic treatment interruption | Chuen-Yen Lau Matthew A Adan Jessica Earhart Cassie Seamon Thuy Nguyen Ariana Savramis Lindsey Adams Mary-Elizabeth Zipparo Erin Madeen Kristi Huik Zehava Grossman Benjamin Chimukangara Wahyu Nawang Wulan Corina Millo Avindra Nath Bryan R Smith Ana M Ortega-Villa Michael Proschan Bradford J Wood Dima A Hammoud Frank Maldarelli | BACKGROUND: HIV persistence during antiretroviral therapy (ART) is the principal obstacle to cure. Lymphoid tissue is a compartment for HIV, but mechanisms of persistence during ART and viral rebound when ART is interrupted are inadequately understood. Metabolic activity in lymphoid tissue of patients on long-term ART is relatively low, and increases when ART is stopped. Increases in metabolic activity can be detected by ¹⁸ F-fluorodeoxyglucose Positron Emission Tomography (FDG-PET) and may... | pmid:36072945 pmc:PMC9441850 doi:10.3389/fmed.2022.979756 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 86 | pubmed:36072968 | Gut Microbiota Dysbiosis in the Development and Progression of Gastric Cancer | Yingying Miao Hui Tang Qizhi Zhai Lu Liu Lu Xia Wenhan Wu Yue Xu Jianning Wang | CONCLUSIONS: We identified differences in microbial compositional changes across stages of GC. Six genera and two metabolic pathways were more abundant in the GC group than noncancer groups, suggesting that these findings may contribute to the therapy strategies in GC in the near future. | pmid:36072968 pmc:PMC9441395 doi:10.1155/2022/9971619 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 87 | pubmed:36072970 | A Novel Metabolism-Related Gene Signature for Predicting the Prognosis of HBV-Infected Hepatocellular Carcinoma | Zhenfu Gao Jingyun Chen Yebin Zhou Pan Deng Lu Sun Jun Qi Ping Zhang | Metabolic reprogramming is one of the crucial hallmarks of cancer. Hepatocellular carcinoma (HCC) resulting from hepatitis B has various altered metabolic features. However, the impact of such alterations on the tumor microenvironment (TME) and immunotherapy efficacy is still unclear. Here, a prognostic signature of metabolism-related gene (MRG) composition was constructed, and the immune profile of different subgroups and potential response to immunotherapy were described. Based on the HCC gene... | pmid:36072970 pmc:PMC9441393 doi:10.1155/2022/2391265 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 88 | pubmed:36072973 | Network Pharmacology and Molecular Docking Analysis Explores the Mechanisms of Cordyceps sinensis in the Treatment of Oral Lichen Planus | Hexin Ma Guofang Wang Xiaomeng Guo Yao Yao Chunshen Li Xibo Li Mingzhe Xin Xiaohui Xu Shilong Zhang Zhi Sun Hongyu Zhao | CONCLUSIONS: Cordyceps sinensis contains multiple components and acts on multiple targets and multiple pathways. Particularly, Cordyceps sinensis targets TNF, IL-6, CD4, EGFR, and IL1B, regulates PI3K-Akt and MAPK signaling pathways, as well as takes part in biological processes including apoptosis, T cell activation, and oxidative stress. Cordyceps sinensis could be a crucial choice in the therapy of OLP. | pmid:36072973 pmc:PMC9444403 doi:10.1155/2022/3156785 | Thu, 08 Sep 2022 06:00:00 -0400 |

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|------------|-----------------|---|--|---|---|---------------------------------|
| 89 | pubmed:36072979 | A Genomic Instability-Related Long Noncoding RNA Signature for Predicting Hepatocellular Carcinoma Prognosis | Jing Lu Wanyue Cao Zeping He Haoyu Wang Jialing Hao Junming Xu | CONCLUSION: Our results showed that GIlncSig serves as a potential independent prognosis factor to predict HCC patients' prognosis for exploring potential mechanism and therapy strategy. Besides, LINC00501 plays an important role in the progression of HCC, which may be a potential therapy target. | pmid:36072979 pmc:PMC9444385 doi:10.1155/2022/3090523 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 90 | pubmed:36072981 | Identifying Potential Tumor Antigens and Antigens-Related Subtypes in Hepatocellular Carcinoma for mRNA Vaccine Development | Weiran Liao Zhitian Shi Haoren Tang Tiangen Wu Cheng Zhang Yutao He Renchao Zou Lin Wang | CONCLUSIONS: The above candidates will be expected to be potential antigen genes for developing anti-LIHC mRNA vaccine, and furthermore, patients with IS2 and IS3 tumors are supposed to be appropriate for mRNA vaccine in LIHC. | pmid:36072981 pmc:PMC9444406 doi:10.1155/2022/6851026 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 91 | pubmed:36072994 | Long-Term Burosumab Administration is Safe and Effective in Adults With X-Linked Hypophosphatemia (XLH) | Thomas J Weber Erik A Imel Thomas O Carpenter Munro Peacock Anthony A Portale Joel Hetzer J Lawrence Merritt Karl Insogna | CONCLUSIONS: These data support the conclusion that burosumab therapy may be a safe and effective long-term treatment option for adult patients with XLH. | pmid:36072994 doi:10.1210/clinem/dgac518 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 92 | pubmed:36073141 | Drawn-on-Skin Sensors from Fully Biocompatible Inks toward High-Quality Electrophysiology | Shubham Patel Faheem Ershad Jimmy Lee Lourdes Chacon-Alberty Yifan Wang Marco A Morales-Garza Arturo Haces-Garcia Seonmin Jang Lei Gonzalez Luis Contreras Aman Agarwal Zhoulyu Rao Grace Liu Igor R Efimov Yu Shrike Zhang Min Zhao Roslyn Rivkah Isseroff Alamgir Karim Abdelmotagaly Elgalad Weihang Zhu Xiaoyang Wu Cunjiang Yu | The need to develop wearable devices for personal health monitoring, diagnostics, and therapy has inspired the production of innovative on-demand, customizable technologies. Several of these technologies enable printing of raw electronic materials directly onto biological organs and tissues. However, few of them have been thoroughly investigated for biocompatibility of the raw materials on the cellular, tissue, and organ levels or with different cell types. In addition, highly accurate multiday... | pmid:36073141 doi:10.1002/sml.202107099 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 93 | pubmed:36073144 | Bisphosphonate type-dependent cell viability suppressive effects of carbon nanohorn-calcium phosphate-bisphosphonate nanocomposites | Maki Nakamura Katsuya Ueda Yumiko Yamamoto Kaoru Aoki Minfang Zhang Naoto Saito Masako Yudasaka | In the process of bone metastasis, tumor cells spread to the bones to activate osteoclasts, which cause pathological bone resorption and destruction. Bisphosphonates (BPs) inhibit osteoclast activation to resorb bone, reducing bone pain and fracture. We previously developed a nanocomposite for potential localized treatment of bone metastasis by loading a BP compound, ibandronate, onto oxidized carbon nanohorns (OxCNHs), a next-generation drug carrier, using calcium phosphates (CaPs) as mediators... | pmid:36073144 doi:10.1039/d2bm00822j | Thu, 08 Sep 2022 06:00:00 -0400 |

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|------------|-----------------|--|--|---|--|---------------------------------|
| 94 | pubmed:36073247 | Plain language summary of a study looking at heart muscle thickness and kidney function in women with Fabry disease who received agalsidase beta treatment | Christoph Wanner Ulla Feldt-Rasmussen Alberto Ortiz | WHAT IS FABRY DISEASE & WHAT IS THIS STUDY ABOUT?: Fabry disease is a rare genetic condition that affects many different cells and organs in the body. People have Fabry disease when they inherit a GLA gene containing an error from one or both of their parents. This causes an enzyme in their body called alpha-galactosidase (also called -Gal) to not work properly. In people without Fabry disease, a-Gal breaks down fats called glycolipids. In people with Fabry disease, as a-Gal does not work... | pmid:36073247 doi:10.2217/fca-2022-0047 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 95 | pubmed:36073285 | Invasive Pulmonary Aspergillosis Successfully Treated with Granulocyte Transfusions Followed by Hematopoietic Stem Cell Transplantation in a Patient with Severe Childhood Aplastic Anemia | Daisuke Toyama Masaya Koganesawa Kosuke Akiyama Hiromasa Yabe Shohei Yamamoto | Granulocyte transfusions (GTX) have been used in patients with neutropenia or neutropenia associated with invasive fungal infection. An 11-year-old girl with severe aplastic anemia (SAA) received immunosuppressive therapy (IST) with rabbit antithymocyte globulin, cyclosporine, and granulocyte colony-stimulating factor. However, IST was not effective and her condition became complicated with life-threatening invasive pulmonary aspergillosis. Owing to the necessity for early neutrophil recovery to... | pmid:36073285 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 96 | pubmed:36073303 | Comparison of the tumor immune microenvironment phenotypes in different breast cancers after neoadjuvant therapy | Mengxue Han Jinze Li Si Wu Chun Wu Yongqiang Yu Yueping Liu | Neoadjuvant therapy (NAT) treats early-stage breast cancers, especially triple-negative breast cancers (TNBCs). NAT improves pathological complete response (pCR) rates for different breast cancer patients. Recently, immune checkpoint inhibitors that target programmed death 1 (PD-1) or programmed death ligand 1 (PD-L1) in combination with NAT have shown antitumor activity in patients with early breast cancer. However, the tumor immune microenvironment (TME) in different subtypes of breast... | pmid:36073303 doi:10.1002/cam4.5207 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 97 | pubmed:36073335 | Hyperphosphatemic pseudotumoral calcinosis due to FGF23 mutation with secondary amyloidosis | Laura Sottini Patrizia Veniero Andrea De Gaetano Laura Olivi Giuliano Brunori | A 44 years old man was admitted for nephrotic syndrome and rapidly progressive renal failure. Two firm, tumour-like masses were localized around the left shoulder and the right hip joint. Since the age of 8 years old, the patient had a history of metastatic calcification of the soft tissues suggesting hyperphosphatemic pseudotumoral calcinosis. Despite treatment for a long time with phosphate binders the metastatic calcinosis had to be removed with several surgeries. The patient had also a... | pmid:36073335 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 98 | pubmed:36073349 | Polydopamine/IR820 nanoparticles as topical phototheranostics for inhibiting psoriasiform lesions through dual photothermal and photodynamic treatments | G R Nirmal Zih-Chan Lin Chih-Hung Lin Calvin T Sung Chia-Chih Liao Jia-You Fang | Dual photothermal and photodynamic therapy (PTT and PDT) is an attractive approach that generates a synergistic effect for inhibiting keratinocyte hyperproliferation in the treatment of psoriasis. Here, we developed phototheranostic nanocarriers capable of producing hyperthermia and reactive oxygen species (ROS) in response to near-infrared (NIR) illumination. To this end, IR820 with photothermal and photodynamic features was embedded in nano-sized polydopamine (PDA) acting as a PTT agent. A... | pmid:36073349 doi:10.1039/d2bm00835a | Thu, 08 Sep 2022 06:00:00 -0400 |

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|------------|-----------------|---|---|--|--|---------------------------------|
| 99 | pubmed:36073504 | MMP-2 Inhibitor-Mediated Tumor Microenvironment Regulation Using a Sequentially Released Bio-Nanosystem for Enhanced Cancer Photo-Immunotherapy | Huifang Liu Dongqin Lei Jiong Li Jing Xin Luwei Zhang Lei Fu Jing Wang Weihui Zeng Cuiping Yao Zhenxi Zhang Sijia Wang | Combining photodynamic therapy (PDT) with natural killer (NK) cell-based immunotherapy has shown great potential against cancers, but the shedding of NK group 2, member D ligands (NKG2DLs) on tumor cells inhibited NK cell activation in the tumor microenvironment. Herein, we assembled microenvironment-/light-responsive bio-nanosystems (MLRNs) consisting of SB-3CT-containing -cyclodextrins (-CDs) and photosensitizer-loaded liposomes, in which SB-3CT was considered to remodel the tumor... | pmid:36073504 doi:10.1021/acsami.2c14781 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 100 | pubmed:36073569 | Antrodia salmonea extract inhibits cell proliferation through regulating cell cycle arrest and apoptosis in prostate cancer cell lines | Pang-Ting Cheng Yu-Chiao Cheng Muhammet Oner Yu-Hsuan Li Mei-Chih Chen Jyh-Horng Wu Ting-Chieh Chang Ayse Celik Fang-Ling Liu Hsin-Yi Wang Chih-Ho Lai Jer-Tsong Hsieh Chieh-Yin Chen Ho Lin | Antrodia salmonea (AS) is a fungus, which belongs to a fungal family of Taiwanofungus salmoneus with the features of anti-oxidant, anti-inflammatory, and anticancer. Recent studies have shown that AS has anti-cancer functions in ovarian and breast cancer. However, the effects of AS on prostate cancer (PCa) proliferation remain unknown. Therefore, we investigated the role of AS in PCa proliferation through apoptosis, and cell cycle regulation in PCa cell lines. Our results showed that Antrodia... | pmid:36073569 doi:10.4103/cjp.cjp_78_21 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 101 | pubmed:36073583 | Cell therapy for destructive pancreatitis | S Yu Gasanova | CONCLUSION: Mesenchymal stem cell drugs are advisable in early period of acute pancreatitis, mainly in patients with severe forms of disease. | pmid:36073583 doi:10.17116/hirurgia202209150 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 102 | pubmed:36073717 | Benefits and Hurdles of Pancreatic -Cell Replacement | Andrea Mario Bolla Laura Montefusco Ida Pastore Maria Elena Lunati Moufida Ben Nasr Paolo Fiorina | Insulin represents a life-saving treatment in patients with type 1 diabetes, and technological advancements have improved glucose control in an increasing number of patients. Despite this, adequate control is often still difficult to achieve and insulin remains a therapy and not a cure for the disease. -cell replacement strategies can potentially restore pancreas endocrine function and aim to maintain normoglycemia; both pancreas and islet transplantation have greatly progressed over the last... | pmid:36073717 doi:10.1093/stcltm/szac058 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 103 | pubmed:36073719 | Severe immunochemotherapy-induced toxicities in a patient with dyskeratosis congenita and literature review | Jiayi Geng Menglin Zhao Qiuyu Li | CONCLUSION: These cases indicate that DC patients seem more vulnerable to therapy toxicities; thus, physicians should be careful when treating these patients with chemotherapy drugs or radiation therapy. Reduced-intensity therapy may be considered. | pmid:36073719 doi:10.1080/16078454.2022.2120305 | Thu, 08 Sep 2022 06:00:00 -0400 |

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|------------|-----------------|--|--|---|--|---------------------------------|
| 104 | pubmed:36073796 | Hijacking Self-Assembly to Establish Intracellular Functional Nanoparticles | Yang Liu Yuchen Wang Chao Wang Tiejun Dong Haiheng Xu Yunfei Guo Xiaozhi Zhao Yiqiao Hu Jinhui Wu | The targeted transport of nanomedicines is often impeded by various biological events in the body. Viruses can hijack host cells and utilize intracellular transcription and translation biological events to achieve their replication. Inspired by this, a strategy to hijack endogenous products of biological events to assemble into intracellular functional nanoparticles is established. It has been shown that, following tumor vessel destruction therapy, injected cell permeable small molecule drugs... | pmid:36073796 doi:10.1002/advs.202203027 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 105 | pubmed:36073801 | ARG1 and CXCL2 are potential biomarkers target for psoriasis patients | Huilin Wang Wenjun Chen Caihua Lie Yijie Zhang Jiajia Li Jilong Meng Nan Zhang | Background Psoriasis is a common chronic skin inflammatory disease. Understanding the pathogenesis of psoriasis and identifying novel therapeutic targets are under investigation. Methods Gene expression profiles were obtained from GSE13355, GSE30999 and GSE54456 datasets to identify differentially expressed genes (DEGs) between psoriasis and normal controls. Enrichment analysis was used to identify the biological functions and pathways of common genes from three groups of DEGs. Protein-protein... | pmid:36073801 doi:10.1177/17448069221128423 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 106 | pubmed:36073839 | Self-Splittable Transcytosis Nanoraspberry for NIR-II Photo-Immunometabolic Cancer Therapy in Deep Tumor Tissue | Li Wang Wei Jiang Yanhong Su Meixiao Zhan Shaojun Peng Hang Liu Ligong Lu | Cancer photo-immunotherapy (CPIT) as an ideal strategy can rapidly release hostile signals by appropriate dosage of focal laser irradiation to unmask primary tumor immunogenicity and can activate adaptive immunity to control distant metastases. However, many factors, including disordered immunometabolism, poor penetration of photothermal agents and immuno-regulators, inadequate laser penetration into the deep tumor region, restrict the therapeutic outcomes of CPIT. Here, a second near-infrared... | pmid:36073839 doi:10.1002/advs.202204067 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 107 | pubmed:36073863 | Increasing clinical impact and microbiological difficulties in diagnosing coagulase-negative staphylococci in infective endocarditis- a review starting from a series of cases | Nicoleta-Monica Popa-Fotea Alexandru Scafa-Udriste Grigore Iulia Alina Scarlatescu Nicoleta Oprescu Cosmin Mihai Miruna Mihaela Micheu | Coagulase-negative staphylococci (CoNS) are an emergent aetiology of infective endocarditis (IE) on native valves in previously healthy individuals, its presence being associated with prosthetic valves or with other cardiac implants. The identification of CoNS in cultures was customarily seen as contamination, but more recent epidemiological studies have revealed an increasing number of causative and virulent new CoNS species. Starting from two clinical cases of community-acquired CoNS IE on... | pmid:36073863 doi:10.1080/03007995.2022.2122673 | Thu, 08 Sep 2022 06:00:00 -0400 |

| NCT Number | | Title | Authors | Description | Identifier | Dates |
|------------|-----------------|--|---|---|---|---------------------------------|
| 108 | pubmed:36073901 | The potential application of branch-PCR assembled PTEN gene nanovector in lung cancer gene therapy | Liqing Lu Tian Fang Tuo Pang Ziyi Chen Longhuai Cheng Dejun Ma Zhen Xi | Gene therapy offers an alternative and promising avenue to lung cancer treatment. Here, we used dibenzocyclooctyne (DBCO)-branched primers to construct a kind of PTEN gene nanovector (NP-PTEN) through branch-PCR. NP-PTEN showed the nanoscale structure with the biocompatible size (84.7 ± 11.2 nm) and retained the improved serum stability compared to linear DNA. When transfected into NCI-H1299 cancer cells, NP-PTEN could overexpress PTEN protein to restore PTEN function through the deactivation of... | pmid:36073901 doi:10.1002/cbic.202200387 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 109 | pubmed:36073944 | RecT Affects Prophage Lifestyle and Host Core Cellular Processes in Pseudomonas aeruginosa | Xiang Long Hanhui Zhang Xiaolong Wang Daqing Mao Weihui Wu Yi Luo | Pseudomonas aeruginosa is a notorious pathogen that causes various nosocomial infections. Several prophage genes located on the chromosomes of P. aeruginosa have been reported to contribute to bacterial pathogenesis via host phenotype transformations, such as serotype conversion and antibiotic resistance. However, our understanding of the molecular mechanism behind host phenotype shifts induced by prophage genes remains largely unknown. Here, we report a systematic study around a hypothetical... | pmid:36073944 doi:10.1128/aem.01068-22 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 110 | pubmed:36074012 | Top advances of the year: Pediatric oncology | Alberto S Pappo Seth E Karol Kelsey C Bertrand | Accelerated discovery and collaborative research continue to highlight the remarkable progress that has been made in the diagnosis and treatment of pediatric cancers. This manuscript highlights important discoveries on how precision oncology is being incorporated into the diagnosis and treatment of childhood cancer at the national level to identify promising new therapies using a tumor-agnostic approach. In addition, we have highlighted three articles that incorporate genomics and cell-free DNA... | pmid:36074012 doi:10.1002/cncr.34425 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 111 | pubmed:36074048 | Local anesthetic lidocaine induces growth suppression of HeLa cells by decreasing and changing the cellular localization of the proliferation marker Ki-67 | Keiko Haraguchi-Suzuki Reika Kawabata-Iwakawa Toru Suzuki Takashi Suto Tomonori Takazawa Shigeru Saito | Although surgery is a basic therapy for cancer, it causes inflammation and immunosuppression, often resulting in recurrence and metastasis. Previous studies have suggested that anesthetic management influences the prognosis of cancer surgery patients. Administration of local anesthetics, such as lidocaine, for pain control reportedly improves their clinical outcomes; however, the precise underlying mechanism has not been fully elucidated. The growth of human embryonic kidney (HEK) 293T and... | pmid:36074048 doi:10.1111/gtc.12983 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 112 | pubmed:36074069 | The earliest enzyme replacement for infantile-onset Pompe disease in Japan | Vlad Tocan Yuichi Mushimoto Kanako Kojima-Ishii Akane Matsuda Naoko Toda Daisuke Toyomura Yuichiro Hirata Masafumi Sanefuji Takaaki Sawada Yasunari Sakai Kimitoshi Nakamura Shouichi Ohga | CONCLUSIONS: Enzyme replacement therapy should not be delayed over the age of 2 months for reversible cardiac function, although CRIM-negative cases may hamper turnaround time reduction. | pmid:36074069 doi:10.1111/ped.15286 | Thu, 08 Sep 2022 06:00:00 -0400 |

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|------------|-----------------|--|--|--|--|---------------------------------|
| 113 | pubmed:36074092 | The Effect of Citicoline on Ethambutol Optic Neuropathy: Histopathology and Immunohistochemistry Analysis of Retina Ganglion Cell Damage Level in Rat Model | Syntia Nusanti Rani Indira Sari Nurjati Chaerani Siregar Muhamad Sidik | Purpose: Ethambutol therapy in certain doses and period can cause bilateral ocular intoxication. There is no definitive therapy that has been found to prevent damage to retina neuronal cells in ethambutol optic neuropathy (EON) cases. Citicoline is thought to have a potential effect to maintain retinal neuron cells. This study aimed to analyze the effect of citicoline on damaged rat ganglion cells in EON. Methods: An experimental study of 15 Wistar rats was divided into 3 groups: the... | pmid:36074092 doi:10.1089/jop.2022.0005 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 114 | pubmed:36074101 | The C-terminus of gain-of-function mutant p53 R273H is required for association with PARP1 and Poly-ADP-Ribose | Devon Lundine George K Annor Valery Chavez Styliana Maimos Zafar Syed Shuhong Jiang Viola Ellison Jill Bargonetti | The TP53 gene is mutated in 80% of triple-negative breast cancers. Cells that harbor the hot-spot p53 gene mutation R273H produce an oncogenic mutant p53 (mtp53) that enhances cell proliferative and metastatic properties. The enhanced activities of mtp53 are collectively referred to as gain-of-function (GOF), and may include transcription-independent chromatin-based activities shared with wild type p53 (wtp53) such as association with replicating DNA and DNA replication associated proteins like... | pmid:36074101 doi:10.1158/1541-7786.MCR-22-0133 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 115 | pubmed:36074143 | Quality of life of patients with mycosis fungoides and Sézary syndrome | Manuel Jäger Deniz Özistanbullu Claus-Detlev Klemke Sabine Tratzmiller | Mycosis fungoides as the most common type and Sézary syndrome as a leukemic variant belong to the rare group of cutaneous Tcell lymphomas. Both diseases are considered incurable and show a chronic course. Since there is no curative treatment, maintaining quality of life and relief of symptoms should be important elements when treating patients with mycosis fungoides and Sézary syndrome. Pruritus, which is a common and burdensome symptom of cutaneous Tcell lymphoma, may negatively impact... | pmid:36074143 doi:10.1007/s00105-022-05049-7 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 116 | pubmed:36074156 | Functional biomarkers derived from computed tomography and magnetic resonance imaging differentiate PDAC subgroups and reveal gemcitabine-induced hypo-vascularization | Irina Heid Marija Trajkovic-Arsic Fabian Lohöfer Georgios Kaissis Felix N Harder Moritz Mayer Geoffrey J Topping Friderike Jungmann Barbara Crone Moritz Wildgruber Uwe Karst Lucia Liotta Hana Algül Hsi-Yu Yen Katja Steiger Wilko Weichert Jens T Siveke Marcus R Makowski Rickmer F Braren | CONCLUSION: In PDAC, CA accumulation, which is related to tumor vascularization and perfusion, inversely correlates with tumor cellularity. The standard of care GEM treatment results in decreased CA accumulation, which impedes drug delivery. Further investigation is warranted into potentially detrimental effects of GEM in combinatorial therapy regimens. | pmid:36074156 doi:10.1007/s00259-022-05930-6 | Thu, 08 Sep 2022 06:00:00 -0400 |

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|------------|-----------------|--|--|---|---|---------------------------------|
| 117 | pubmed:36074159 | Anti-PD-1 antibody-activated Th17 cells subvert re-invigoration of antitumor cytotoxic T-lymphocytes via myeloid cell-derived COX-2/PGE₂ | Qingsheng Li Kevin E Goggin SeonYeong Seo Jonathan M Warawa Nejat K Egilmez | Anti-PD-1 antibody-mediated activation of type 17 T-cells undermines checkpoint inhibitor therapy in the LSL-Kras ^(G12D) murine lung cancer model. Herein, we establish that the Th17 subset is the primary driver of resistance to therapy demonstrate that the ontogeny of dysplasia-associated Th17 cells is driven by microbiota-conditioned macrophages; and identify the IL-17-COX-2-PGE(2) axis as the mediator of CD8 ⁽⁺⁾ cytotoxic T-lymphocyte de-sensitization to checkpoint inhibitor therapy.... | pmid:36074159 doi:10.1007/s00262-022-03285-3 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 118 | pubmed:36074181 | Circulating tumor DNA in Hodgkin lymphoma | Maria Maco Kristyna Kupcova Vaclav Herman Iva Ondeckova Tomas Kozak Heidi Mocikova Ondrej Havranek Czech Hodgkin Lymphoma Study Group | Somatic mutations of genes involved in NF-B, PI3K/AKT, NOTCH, and JAK/STAT signaling pathways play an important role in the pathogenesis of Hodgkin lymphoma (HL). HL tumor cells form only about 5% of the tumor mass; however, it was shown that HL tumor-derived DNA could be detected in the bloodstream. This circulating tumor DNA (ctDNA) reflects the genetic profile of HL tumor cells and can be used for qualitative and quantitative analysis of tumor-specific somatic DNA mutations within the... | pmid:36074181 doi:10.1007/s00277-022-04949-x | Thu, 08 Sep 2022 06:00:00 -0400 |
| 119 | pubmed:36074248 | Landscape and Construction of a Novel N6-methyladenosine-related LncRNAs in Cervical Cancer | Xin Liu Weijie Zhang Jun Wan Diming Xiao Ming Wei | Cervical cancer is a crucial clinical problem with high mortality. Despite much research in therapy, the prognosis of patients with cervical cancer is still not ideal. The data on cervical cancer were downloaded from The Cancer Genome Atlas (TCGA) portal. R language was used to screen out the N6-methyladenosine (m6A)-related lncRNAs (long non-coding RNA). A consensus clustering algorithm was performed to identify m6A-related lncRNAs in cervical cancer; 10 m6A-related lncRNAs showing a... | pmid:36074248 doi:10.1007/s43032-022-01074-y | Thu, 08 Sep 2022 06:00:00 -0400 |
| 120 | pubmed:36074253 | Nanotechnology-based cell-mediated delivery systems for cancer therapy and diagnosis | Vahid Alimardani Zahra Rahiminezhad Mahvash DehghanKhold Ghazal Farahavar Mahboobeh Jafari Mehdi Abedi Leila Moradi Uranous Niroumand Mohammad Ashfaq Samira Sadat Abolmaali Gholamhossein Yousefi | The global prevalence of cancer is increasing, necessitating new additions to traditional treatments and diagnoses to address shortcomings such as ineffectiveness, complications, and high cost. In this context, nano and microparticulate carriers stand out due to their unique properties such as controlled release, higher bioavailability, and lower toxicity. Despite their popularity, they face several challenges including rapid liver uptake, low chemical stability in blood circulation,... | pmid:36074253 doi:10.1007/s13346-022-01211-9 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 121 | pubmed:36074274 | Fabrication of a smart drug delivery system based on hollow Ag₂S@mSiO₂ nanoparticles for fluorescence-guided synergistic photothermal chemotherapy | Minjie Gao Zehua Han Zhihua Wang Xueyan Zou Lichao Peng Yanbao Zhao Lei Sun | A novel near-infrared (NIR) light-triggered smart nanoplatform has been developed for cancer targeting and imaging-guided combined photothermal-chemo treatment. Notably, Ag(2)S has a dual function of photothermal therapy and fluorecence imaging, which greatly simplifies the structure of the system. It can emit fluorecence at 820 nm under an excitation wavelength of 560 nm. The phase-change molecule of 1-tetradecanol (TD) is introduced as a temperature-sensitive gatekeeper to provide the... | pmid:36074274 doi:10.1007/s00604-022-05468-2 | Thu, 08 Sep 2022 06:00:00 -0400 |

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|------------|-----------------|---|---|---|--|---------------------------------|
| 122 | pubmed:36074313 | CD25-targeted antibody-drug conjugate camidanlumab tesirine for relapsed or refractory classical Hodgkin lymphoma | Bo Xu Shaoqian Li Bo Kang Shangzhi Fan Zunbo He Jiecan Zhou | Classic Hodgkin lymphoma (cHL) accounts for more than 90% of HL in developed countries. Although the current combined modality therapy make it have a high cure rate, the prognosis for heavily pretreated patients with relapsed or refractory (R/R) cHL remains poor. A novel antibody-drug conjugate (ADC), named camidanlumab tesirine (ADCT-301, Cami), is currently being evaluated for its efficacy and safety in R/R cHL. The primary objective of this review is to examine the current pharmacological... | pmid:36074313 doi:10.1007/s10637-022-01300-z | Thu, 08 Sep 2022 06:00:00 -0400 |
| 123 | pubmed:36074314 | The effect of dopaminergic neuron transplantation and melatonin co-administration on oxidative stress-induced cell death in Parkinson's disease | Azam Asemi-Rad Maral Moafi Abbas Aliaghaei Hojjat-Allah Abbaszadeh Mohammad-Amin Abdollahifar Mohammad-Javad Ebrahimi Mohammad Hasan Heidari Yousef Sadeghi | A gradual degeneration of the striatum and loss of nigral dopamine cells are characteristic of Parkinson's disease. Nowadays, combination therapy for neurodegenerative disease is considered. This study aimed to investigate the effects of melatonin and dopaminergic neurons derived from adipose tissue stem cells (ADSCs) in a rat model of Parkinson's disease. Parkinson's disease was induced in rats using neurotoxin 6-Hydroxydopamine. The treatment was performed using melatonin and dopaminergic... | pmid:36074314 doi:10.1007/s11011-022-01021-5 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 124 | pubmed:36074322 | Acute Pancreatitis: Diagnosis and Treatment | Peter Szatmary Tassos Grammatikopoulos Wenhao Cai Wei Huang Rajarshi Mukherjee Chris Halloran Georg Beyer Robert Sutton | Acute pancreatitis is a common indication for hospital admission, increasing in incidence, including in children, pregnancy and the elderly. Moderately severe acute pancreatitis with fluid and/or necrotic collections causes substantial morbidity, and severe disease with persistent organ failure causes significant mortality. The diagnosis requires two of upper abdominal pain, amylase/lipase 3 ×upper limit of normal, and/or cross-sectional imaging findings. Gallstones and ethanol predominate... | pmid:36074322 doi:10.1007/s40265-022-01766-4 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 125 | pubmed:36074333 | Advances in insulin therapy from discovery to -cell replacement | Teruaki Sakurai Sodai Kubota Takehiro Kato Daisuke Yabe | Insulin therapy using insulin purified from porcine or bovine pancreas revolutionized diabetes therapy in the 1920s. A series of advances including cloning human insulin cDNA enabled the development of recombinant human insulin with improved features. Insulin treatment for diabetes may well be upended by -cell replacement therapy in the coming decades. | pmid:36074333 doi:10.1111/jdi.13902 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 126 | pubmed:36074460 | Constitutional BRCA1 Methylation and Risk of Incident Triple-Negative Breast Cancer and High-grade Serous Ovarian Cancer | Per E Lønning Oleksii Nikolaienko Kathy Pan Allison W Kurian Hans P Eikesdal Mary Pettinger Garnet L Anderson Ross L Prentice Rowan T Chlebowski Stian Knappskog | CONCLUSIONS AND RELEVANCE: The results of this case-control suggest that constitutional normal tissue BRCA1 promoter methylation is significantly associated with risk of incident TNBC and HGSOC, with potential implications for prediction of these cancers. These findings warrant further research to determine if constitutional methylation of tumor suppressor genes are pancancer risk factors. | pmid:36074460 doi:10.1001/jamaoncol.2022.3846 | Thu, 08 Sep 2022 06:00:00 -0400 |

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|------------|-----------------|--|--|---|---|---------------------------------|
| 127 | pubmed:36074462 | Trends in Postoperative Intensity-Modulated Radiation Therapy Use and Its Association With Survival Among Patients With Incompletely Resected Non-Small Cell Lung Cancer | Brian Yu Sung Jun Ma Olivia Waldman Cynthia Dunne-Jaffe Udit Chatterjee Lauren Turecki Jasmin Gill Keerti Yendamuri Austin Iovoli Mark Farrugia Anurag K Singh | CONCLUSION AND RELEVANCE: This cohort study found that use of IMRT for PORT among patients with incompletely resected NSCLC increased in the US from 2004 to 2019 and was associated with improved survival compared with 3DCRT. Further studies are warranted to investigate the role of different radiation therapy techniques for PORT. | pmid:36074462 doi:10.1001/jamanetworkopen.2022.30704 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 128 | pubmed:36074553 | Cancer genome and tumor microenvironment: Reciprocal crosstalk shapes lung cancer plasticity | Siavash Mansouri Daniel Heylmann Thorsten Stiewe Michael Kracht Rajkumar Savai | Lung cancer classification and treatment has been revolutionized by improving our understanding of driver mutations and the introduction of tumor microenvironment (TME)-associated immune checkpoint inhibitors. Despite the significant improvement of lung cancer patient survival in response to either oncogene-targeted therapy or anticancer immunotherapy, many patients show initial or acquired resistance to these new therapies. Recent advances in genome sequencing reveal that specific driver... | pmid:36074553 doi:10.7554/eLife.79895 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 129 | pubmed:36074665 | Liquid biopsy in lung cancer management | Maria Anca Irofei Zamfir Laura Buburuzan Ariana Hudi Bianca Gleanu Octav Ginghin Daniel Ion Natalia Mota Carmen Maria Ardeleanu Marieta Costache | Liquid biopsy is a promising tool for a better cancer management and currently opens perspectives for several clinical applications, such as detection of mutations when the analysis from tissue is not available, monitoring tumor mutational burden and prediction of targeted therapy response. These characteristics validate liquid biopsy analysis as a strong cancer biomarkers source with high potential for improving cancer patient's evolution. Compared to classical biopsy, liquid biopsy is a... | pmid:36074665 doi:10.47162/RJME.63.1.02 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 130 | pubmed:36074674 | The analysis of hormonal status and vascular and cell proliferation in endometrioid endometrial adenocarcinomas | Ileana Droca tefania Crioiu Alex Emilian Stepan Dominic Gabriel Iliescu Ioan Andrei Droca Mioara Desdemona Stepan | Endometrioid endometrial carcinomas (EECs) are the most common malignancies of the uterus. Hormonal dependence of EEC, in relation to biomolecular mechanisms involved in tumor progression, such as angiogenesis and cell proliferation, are aspects that can contribute to improving the prognosis of patients. We analyzed the immunoexpression of markers addressed to steroid hormone receptors [estrogen receptor (ER), progesterone receptor (PR)], angiogenesis [cluster of differentiation... | pmid:36074674 doi:10.47162/RJME.63.1.11 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 131 | pubmed:36074676 | Mast cell density in the primary tumor predicts lymph node metastases in patients with breast cancer | Erwin Floroni Amalia Raluca Ceauu Raluca Mioara Cosoroab Ioana Cristina Niculescu Talpo Ramona Amina Popovici Nela Pua Gaje Marius Raica | Breast cancer (BrCa) is the most frequent neoplastic disease in female, with high morbidity and mortality. Most of the researches were focused on tumor cells concerning their natural evolution, molecular profile, and potential response to therapy. Few and uncertain data are available about the tumor microenvironment and its impact on the progression of the disease. Mast cells (MCs) associated to BrCa have been reported many years ago, but their real and specific role in the biology of this... | pmid:36074676 doi:10.47162/RJME.63.1.13 | Thu, 08 Sep 2022 06:00:00 -0400 |

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|------------|-----------------|---|---|--|--|---------------------------------|
| 132 | pubmed:36074687 | Retinal morphological and functional response to Idebenone therapy in Leber hereditary optic neuropathy | Maria Filofteia Mercu Cornelia Andreea Tnasie Alexandra Oltea Dan Andreea Mihaela Nicolcescu Oana Maria Ic Carmen Luminia Mocanu Alin tefan tefnescu-Dima | Leber hereditary optic neuropathy (LHON) is a mitochondrial disease leading to optic atrophy due to degeneration of the retinal ganglion cell. A curative treatment is not available at the moment, but a new antioxidant drug, Idebenone, is expected to reduce the progression of the disorder. Two male patients, genetically confirmed with LHON, were clinically, morphologically, and electrophysiologically evaluated, before and three, six, nine and 12 months after starting the treatment. The patient... | pmid:36074687 doi:10.47162/RJME.63.1.24 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 133 | pubmed:36074705 | Various phenotypes of LRBA gene with compound heterozygous variation: A case series report of pediatric cytopenia patients | Jiafeng Yao Hao Gu Wenjun Mou Zhenping Chen Jie Ma Honghao Ma Nan Li Rui Zhang Tianyou Wang Jin Jiang Runhui Wu | CONCLUSION: Unlike homozygous mutations, compound heterozygous LRBA variation should always be kept in mind for the various phenotypes and different treatment responses. | pmid:36074705 doi:10.1177/03946320221125591 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 134 | pubmed:36074801 | Brain Microenvironment Responsive and Pro-angiogenic Extracellular Vesicle-Hydrogel for Promoting Neurobehavioral Recovery in Type 2 Diabetic Mice after Stroke | Yixu Jiang Ruiqi Wang Cheng Wang Yiyan Guo Tongtong Xu Zhijun Zhang Guo-Yuan Yang He Xu Yaohui Tang | Stroke patients with diabetes have worse neurological outcomes than non-diabetic stroke patients, and treatments beneficial for non-diabetic stroke patients are not necessarily effective for diabetic stroke patients. While stem cell-derived extracellular vesicles (EVs) show great potential for treating stroke, the results remain unsatisfactory due to the lack of approaches for retaining and controlling EVs released into the brain. Herein, a glucose/reactive oxygen species dual-responsive... | pmid:36074801 doi:10.1002/adhm.202201150 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 135 | pubmed:36074908 | Breast cancer: an up-to-date review and future perspectives | Ruoxi Hong Binghe Xu | Breast cancer is the most common cancer worldwide. The occurrence of breast cancer is associated with many risk factors, including genetic and hereditary predisposition. Breast cancers are highly heterogeneous. Treatment strategies for breast cancer vary by molecular features, including activation of human epidermal growth factor receptor 2 (HER2), hormonal receptors (estrogen receptor [ER] and progesterone receptor [PR]), gene mutations (e.g., mutations of breast cancer 1/2 [BRCA1/2] and... | pmid:36074908 doi:10.1002/cac2.12358 | Thu, 08 Sep 2022 06:00:00 -0400 |

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|------------|-----------------|---|--|--|--|---------------------------------|
| 136 | pubmed:36074910 | Premature ovarian insufficiency in CLPB deficiency: transcriptomic, proteomic and phenotypic insights | Elena J Tucker Megan J Baker Daniella H Hock Julia T Warren Sylvie Jaillard Katrina M Bell Rajini Sreenivasan Shabnam Bakhshalizadeh Chloe A Hanna Nikeisha J Caruana Saskia B Wortmann Shamima Rahman Robert D S Pitceathly Jean Donadieu Aurelia Alimi Vincent Launay Paul Coppo Sophie Christin-Maitre Gorjana Robevska Jocelyn van den Bergen Brianna L Kline Katie L Ayers Phoebe N Stewart David A Stroud Diana Stojanovski Andrew H Sinclair | CONCLUSIONS: A novel splicing variant is associated with CLPB deficiency in an individual who survived to adulthood. POI is a common feature of post-pubertal females with CLPB deficiency. Patients with CLPB deficiency should be referred to paediatric gynaecologists/endocrinologists for prompt POI diagnosis and hormone replacement therapy to minimise associated co-morbidities. | pmid:36074910 doi:10.1210/clinem/dgac528 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 137 | pubmed:36074934 | Effects of LED photobiomodulation therapy on the subcutaneous fatty tissue of obese individuals - histological and immunohistochemical analysis | Débora Aparecida Oliveira Modena Ciro Dantas Soares Cintia Cristina Santi Martignago Stephani Almeida Everton Cazzo Elinton Adami Chaim | Photobiomodulation therapy (PBMT) has become an adjuvant therapeutic possibility in body remodeling procedures. Given this scenario, this study was proposed with the aim of evaluating the effects of PBMT to Light Emitting Diode (LED) associating the red (630 nm) and infrared (850 nm) wavelengths in the subcutaneous fatty tissue. This controlled study of comparative intervention that evaluated a sample of subcutaneous fatty tissue from women with grade II obesity. The participants received the... | pmid:36074934 doi:10.1080/14764172.2022.2109677 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 138 | pubmed:36074935 | Update on Viral Gene Therapy Clinical Trials for Retinal Diseases | Shun-Yun Cheng Claudio Punzo | In 2001, the first large animal was successfully treated with a gene therapy that restored its vision. Lancelot, the briard dog that was treated, suffered from a human childhood blindness called Leber's congenital amaurosis type 2. Sixteen years later the gene therapy was approved by the U.S. Food and Drug Administration. The success of this gene therapy in dogs led to a fast expansion of the ocular gene therapy field. By now every class of inherited retinal dystrophy has been treated in at... | pmid:36074935 doi:10.1089/hum.2022.159 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 139 | pubmed:36074937 | AAV Gene Therapy Redosing in the CNS | Heather Gray-Edwards Abigail McElroy Miguel Sena-Esteves Motahareh Arjomandnejad Allison May Keeler-Klunk | N/A. | pmid:36074937 doi:10.1089/hum.2022.170 | Thu, 08 Sep 2022 06:00:00 -0400 |

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|------------|-----------------|---|---|--|--|---------------------------------|
| 140 | pubmed:36074947 | Progress in Respiratory Gene Therapy | Gerry McLachlan Eric Wfw Alton A Christopher Boyd Nora Clark Jane C Davies Deborah Rebecca Gill Uta Griesenbach Jack Hickmott Stephen C Hyde Kamran Miah Claudia Juarez Molina | The prospect of gene therapy for inherited and acquired respiratory disease has energized the research community since the 1980s, with cystic fibrosis, as a monogenic disorder, driving early efforts to develop effective strategies. The fact that there are still no approved gene therapy products for the lung, despite many early phase clinical trials, illustrates the scale of the challenge: in the 1990s, first generation non-viral and viral vector systems demonstrated proof-of-concept but low... | pmid:36074947 doi:10.1089/hum.2022.172 | Thu, 08 Sep 2022 06:00:00 -0400 |
| 141 | pubmed:36075048 | Clinical features, therapy patterns, outcomes and prognostic factors of solitary plasmacytomas: a report of the Israeli Myeloma Study Group | Chezi Ganzel Svetlana Trestman Shai Levi Moshe E Gatt Noa Lavi Iuliana Vaxman Ory Rouvio Hila Magen Eyal Lebel Netanel A Horowitz Merav Leiba Tamar Tadmor Katrin Herzog Tzarfati Celia Surio Shay Yeganeh Nagib Dally Irit Avivi Yael C Cohen | Solitary plasmacytoma (SP) is a rare plasma cell dyscrasia. In this retrospective multicenter study, 68 SP patients were included. Compared to solitary extramedullary plasmacytoma (SEP), patients with solitary bone plasmacytoma (SBP) were younger (57.3 vs. 70.9 years, p = 0.031), had larger plasmacytoma (median: 5.4 vs. 3 cm, p = 0.007) and higher median involved free light chain level (61 vs. 25.8 mg/L, p = 0.056). 92.6% of patients were treated by radiotherapy and 11.8% received systemic... | pmid:36075048 doi:10.1080/10428194.2022.2118535 | Thu, 08 Sep 2022 06:00:00 -0400 |