single cell sequencing

	NCT Number	Title	Authors	Description	Identifier	Dates
1	pubmed:36057222	The progressive application of single-cell RNA sequencing technology in cardiovascular diseases	Yang Ke Huang Jian-Yuan Zhou Ping Wang Yue Xing Na Yang Jian Lin Kai-Xuan Sun Yi-Fan Lin Han-Bin Li Rong	The mortality rate of cardiovascular disease ranks first in the world. Its pathogenesis involves not only internal factors such as immunity, inflammation, metabolic disorders, and self-development but also external factors such as the environment. In the last decade, the emergence of single-cell technology has greatly promoted the development of disease research. Among them, the more mature single-cell RNA sequencing can carry out high-throughput analysis of single cells while studying with...	pmid:36057222 doi:10.1016/j.biopha.2022.113604	Sat, 03 Sep 2022 06:00:00 -0400
2	pubmed:36057370	Single-cell RNA sequencing reveals intra-tumoral heterogeneity of glioblastoma and a pro-tumor subset of tumor-associated macrophages characterized by EZH2 overexpression	Xiaoyong Chen Yue Chen Xiangrong Chen Penghui Wei Yuanxiang Lin Zanyi Wu Zhangya Lin Dezhi Kang Chenyu Ding	CONCLUSIONS: Our study illustrated a MES2-like GBM subcluster characterized by glial-immune dual feature and highlighted the pro-tumor role of a TAMs subset characterized by EZH2 overexpression.	pmid:36057370 doi:10.1016/j.bbadis.2022.166534	Sat, 03 Sep 2022 06:00:00 -0400
3	pubmed:36058001	Patient-Derived Organoids from Colorectal Cancer with Paired Liver Metastasis Reveal Tumor Heterogeneity and Predict Response to Chemotherapy	Shaobo Mo Peiyuan Tang Wenqin Luo Long Zhang Yaqi Li Xiang Hu Xiaoji Ma Yikuan Chen Yichao Bao Xingfeng He Guoxiang Fu Xiaoya Xu Xinxin Rao Xiaomeng Li Ruoyu Guan Shengzhi Chen Yun Deng Tao Lv Peiyuan Mu Qiang Zheng Simin Wang Fangqi Liu Yiwei Li Weiqi Sheng Dan Huang Chen Hu Jianjun Gao Zhen Zhang Sanjun Cai Hans Clevers Junjie Peng Guoqiang Hua	There is no effective method to predict chemotherapy response and postoperative prognosis of colorectal cancer liver metastasis (CRLM) patients. Patient-derived organoid (PDO) has become an important preclinical model. Herein, a living biobank with 50 CRLM organoids derived from primary tumors and paired liver metastatic lesions is successfully constructed. CRLM PDOs from the multiomics levels (histopathology, genome, transcriptome and single-cell sequencing) are comprehensively analyzed and...	pmid:36058001 doi:10.1002/advs.202204097	Sun, 04 Sep 2022 06:00:00 -0400