

Name	Journal	Title	DOI
Jack Fisher	Frontiers in Oncology	KIR2DS2+ NK cells in cancer patients demonstrate high activation in response to tumour-targeting antibodies	https://doi.org/10.3389/fonc.2024.1404051
Emily O'Sullivan	npj aging	The paradox of senescent-marker positivecancer cells: challenges and opportunities	https://doi.org/10.1038/s41514-024-00168-y
Luise Carr, Anna Nilsson-Takeuchi	British Journal of Haematology	Telomere length and DNA methylation epitype both provide independent prognostic information in CLL patients; data from the UK CLL4, ARCTIC and ADMIRE clinica	https://doi.org/10.1111/bjh.19765
Lucy Sayer	Cell Reports. Medicine	Spatial transcriptomic validation of a biomimetic model of fibrosis enables re-evaluation of a therapeutic antibody targeting LOXL2	https://doi.org/10.1016/j.xcrm.2024.101695
Sophie Skingsley	Cell Reports	Loss of POLE3-POLE4 unleashes replicative gap accumulation upon treatment with PARP inhibitors	https://doi.org/10.1016/j.celrep.2024.114205
Kiran Dontamsetti	JGH Open	Sensing of luminal contents and downstream modulation of GI function	https://doi.org/10.1002/jgh3.13083
Molly Guscott	Nature Genetics	Experimental evolution of cancer chromosomal changes	https://doi.org/10.1038/s41588-024-01742-6
Jack Fisher	J Transl Genet Genom	Targeting KIR as a novel approach to improve CAR-NK cell function	https://doi.org/10.20517/itgg.2023.25
Jovanna Maharaj	Chromosome Research	Disentangling the roles of aneuploidy, chromosomal instability and tumour heterogeneity in developing resistance to cancer therapies	https://doi.org/10.1007/s10577-023-09737-5
Jack Fisher	Leukemia	XPO1 inhibition sensitises CLL cells to NK cell mediated cytotoxicity and overcomes HLA-E expression.	https://doi.org/10.1038/s41375-023-01984-z
Caitlin Davies	Nature Reviews Clinical Oncology	Circulating tumour cells for early detection of clinically relevant cancer	https://doi.org/10.1038/s41571-023-00781-y
Kalum Clayton	Nature Communications	Impaired expression of metallothioneins contributes to allergen-induced inflammation in patients with atopic dermatitis	http://dx.doi.org/10.1038/s41467-023-38588-1
Nicolas J Roth	Journal of Biological Chemistry	The Batten disease protein CLN3 is important for stress granules dynamics and translational activity	https://doi.org/10.1016/j.jbc.2023.104649
Alex Look	Frontiers in Immunology	Towards a better understanding of human iNKT cell subpopulations for improved clinical outcomes	https://doi.org/10.3389/fimmu.2023.1176724
Sarah Johnson, Molly Guscott	The EMBO Journal	Targeted assembly of ectopic kinetochores to induce chromosome-specific segmental aneuploidies	https://doi.org/10.15252/embj.2022111587
Ottilie Swinyard	Cancer Prevention Research	Biology of Precancers and Opportunities for Cancer Interception: Lesson from Colorectal Cancer Susceptibility Syndromes	https://doi.org/10.1158/1940-6207.CAPR-22-0500
Henry Gerdes	The Biochemical Journal	Principles of phosphoproteomics and applications in cancer research	https://doi.org/10.1042/bcj20220220
Nicolas J Roth	eLife	Purinergic GPCR-integrin interactions drive pancreatic cancer cell invasion	https://doi.org/10.7554/eLife.86971
Elena Tomás-Bort	NPJ Breast Cancer	TGFβ-mediated MMP13 secretion drives myoepithelial cell dependent breast cancer progression	https://doi.org/10.1038%2Fs41523-023-00513-6
Kalum Clayton	The British Journal of Dermatology	Skin programming of inflammatory responses to Staphylococcus aureus is compartmentalized according to epidermal keratinocyte differentiation status	https://doi.org/10.1093/bjd/ljac088
Caitlin Davies	Frontiers in Oncology	The potential of using circulating tumour cells and their gene expression to predict docetaxel response in metastatic prostate cancer	https://doi.org/10.3389/fonc.2022.1060864
Jack Fisher	Vaccines	Disruption of the NKG2A:HLA-E Immune Checkpoint Axis to Enhance NK Cell Activation against Cancer	https://doi.org/10.3390/vaccines10121993
Anna Willis, Chiara Banas	Viruses	IL-33 Induces an Antiviral Signature in Mast Cells but Enhances Their Permissiveness for Human Rhinovirus Infection	https://doi.org/10.3390/v14112430
Dillon Popat	Endocrine Connections	Identification of a novel specific small-molecule melanocortin-2-receptor antagonist	https://doi.org/10.1530%2FEC-22-0338
Sarah Johnson	Genome Biology	Replication stress generates distinctive landscapes of DNA copy number alterations and chromosome scale losses	https://doi.org/10.1186/s13059-022-02781-0
Molly Guscott , Akash Saha , Jovanna Maharaj	the international journal of biochemistry and cell biology	The multifaceted role of micronuclei in tumour progression: A whole organism perspective	https://doi.org/10.1016/j.biocel.2022.106300
James Davies, Kalum Clayton	Frontiers in Immunology	Transcriptional programming of immunoregulatory responses in human Langerhans cells	https://doi.org/10.3389/fimmu.2022.892254
Robert Hearnden	Endocrine-related Cancer	The immune cell infiltrate in the tumour microenvironment of phaeochromocytomas and paragangliomas	https://doi.org/10.1530/erc-22-0020
Tim Muntslag	Developmental Cell	The spatiotemporal dynamics of microglia across the human lifespan	https://doi.org/10.1016/j.devcel.2022.07.015
Lauren Cutmore	Frontiers in Cell and Developmental Biology	Ligand-bound integrin αβ6 internalisation and trafficking	https://doi.org/10.3389/fcell.2022.920303
Jack Fisher	The Journal of Immunology	KIR2DS2 Expression Identifies NK Cells With Enhanced Anticancer Activity	https://doi.org/10.4049/jimmunol.2101139
Atiya Sarmin	Biomolecules	Multi-Scale Analysis of the Composition, Structure, and Function of Decellularized Extracellular Matrix for Human Skin and Wound Healing Models	https://doi.org/10.3390/biom12060837
James Davies	Cell Reports	Loss of T cell tolerance in the skin following immunopathology is linked to failed restoration of the dermal niche by recruited macrophages	https://doi.org/10.1016/j.celrep.2022.110819
Michaela JM Balderstone	The International Journal of Biochemistry & Cell Biology	Roles of Syndecan-4 in cardiac injury and repair	https://doi.org/10.1016/j.biocel.2022.106196
Kri Müller	Journal of experimental & clinical cancer research	HIF activation enhances FcγRIIb expression on mononuclear phagocytes impeding tumor targeting antibody immunotherapy	https://doi.org/10.1186%2Fs13046-022-02294-5
Nicolas J Roth	Chemical Science	Detection of cannabinoid receptor type 2 in native cells and zebrafish with a highly potent, cell-permeable fluorescent probe	https://doi.org/10.1039/d1sc06659e
Joe Taylor, Annabel R Minton	Cellular Signalling	B-cell receptor signaling induces proteasomal degradation of PDCD4 via MEK1/2 and mTORC1 in malignant B cells	https://doi.org/10.1016/j.cellsig.2022.110311
Franziska Heckel	Communications Biology	Agonistic CD27 antibody potency is determined by epitope-dependent receptor clustering augmented through Fc-engineering	https://doi.org/10.1038/s42003-022-03182-6
Atiya Sarmin	Current Protocols	Fabrication of Human Skin Equivalents Using Decellularized Extracellular Matrix	https://doi.org/10.1002/cpz1.393
Annabel R Minton	Exploration of Targeted Anti-tumor Therapy	B-cell receptor dependent phagocytosis and presentation of particulate antigen by chronic lymphocytic leukemia cells	https://doi.org/10.37349/etat.2022.00070
Emily A O'Sullivan	Communications Biology	Carvedilol targets β-arrestins to rewire innate immunity and improve oncolytic adenoviral therapy	https://doi.org/10.1038/s42003-022-03041-4
Elena Tomás-Bort	The FEBS Journal	FGF signalling facilitates cervical cancer progression	https://doi.org/10.1111/febs.16331
Henry Gerdes	Clinical Proteomics	Implementation of Clinical Phosphoproteomics and Proteomics for Personalized Medicine	https://doi.org/10.1007/978-1-0716-1936-0_8
Laura Reid	Frontiers in Immunology	The Role of Extracellular Vesicles as a Shared Disease Mechanism Contributing to Multimorbidity in Patients With COPD	https://doi.org/10.3389/fimmu.2021.754004
Jack Fisher	Frontiers in Oncology	Selinexor Enhances NK Cell Activation Against Malignant B Cells via Downregulation of HLA-E	https://doi.org/10.3389/fonc.2021.785635
Jana Hueppe	ERJ Open Research	Lower airway clinical outcome measures for use in primary ciliary dyskinesia research: a scoping review	https://doi.org/10.1183%2F23120541.00320-2021
Elena Tomás-Bort	Cancers (Basel)	Stromal Cells Promote Matrix Deposition, Remodelling and an Immunosuppressive Tumour Microenvironment in a 3D Model of Colon Cancer	https://doi.org/10.3390/cancers13235998
Jacqui Nimmo	Acta Neuropathologica	Immunisation with UB-312 in the Thy1SNCA mouse prevents motor performance deficits and oligomeric α-synuclein accumulation in the brain and gut	https://doi.org/10.1007/s00401-021-02381-5
Elena Tomás-Bort	Biomolecules	Quantitative Super-Resolution Imaging for the Analysis of GPCR Oligomerization	https://doi.org/10.3390/biom11101503
Jacqui Nimmo	Frontiers in Neuroscience	Amyloid-β and α-Synuclein Immunotherapy: From Experimental Studies to Clinical Trials	https://doi.org/10.3389/fnins.2021.733857
Joe Taylor	Cellular and Molecular Life Sciences	Targeted inhibition of eIF4A suppresses B-cell receptor-induced translation and expression of MYC and MCL1 in chronic lymphocytic leukemia cells	https://doi.org/10.1007%2Fs00018-021-03910-x
Elena Tomás-Bort	Cancers (Basel)	Kallikrein-Related Peptidase 6 Is Associated with the Tumour Microenvironment of Pancreatic Ductal Adenocarcinoma	https://doi.org/10.3390/cancers13163969
Cinderella Short	The Biochemist	Doggybones, DNA vaccines and skin-penetrating fluids: whatever it takes to win the fight against cancer	https://doi.org/10.1042/bio_2021_152
Stephen Murtough	Cell and Tissue Research	Early inflammation precedes cardiac fibrosis and heart failure in desmoglein 2 murine model of arrhythmogenic cardiomyopathy	https://doi.org/10.1007/s00441-021-03488-7
James Davies, Kalum Clayton	Frontiers in Immunology	An IRF1-IRF4 Toggle-Switch Controls Tolerogenic and Immunogenic Transcriptional Programming in Human Langerhans Cells	https://doi.org/10.3389/fimmu.2021.665312
Tim Muntslag	Cell Reports	Replicative senescence dictates the emergence of disease-associated microglia and contributes to Aβ pathology	https://doi.org/10.1016/j.celrep.2021.109228
Joe Taylor	Scientific Reports	DC-SIGN binding to mannosylated B-cell receptors in follicular lymphoma down-modulates receptor signaling capacity	https://doi.org/10.1038/s41598-021-91112-7
Sara Ferri	Ultrasound in medicine & biology	Investigation of the Acoustic Vaporization Threshold of Lipid-Coated Perfluorobutane Nanodroplets Using Both High-Speed Optical Imaging and Acoustic Methods	https://doi.org/10.1016/j.ultrasmedbio.2021.02.019
Nicolas J Roth	Science	Structure reveals the activation mechanism of the MC4 receptor to initiate satiation signaling	https://doi.org/10.1126/science.abf7958
James Davies	Journal of Crohn's and colitis	Ileal Transcriptomic Analysis in Paediatric Crohn's Disease Reveals IL17- and NOD-signalling Expression Signatures in Treatment-naïve Patients and Identifies Epitheli	https://doi.org/10.1093/ecco-icc/jiaa236
Kalum Clayton	The British Journal of Dermatology	Machine learning applied to atopic dermatitis transcriptome reveals distinct therapy-dependent modification of the keratinocyte immunophenotype	https://doi.org/10.1111/bjd.19431
Lauren Cutmore	Cancers	Current Perspectives on the Use of off the Shelf CAR-T/NK Cells for the Treatment of Cancer	https://doi.org/10.3390/cancers13081926
Elena Tomás-Bort	Cells	Dissecting FGF Signalling to Target Cellular Crosstalk in Pancreatic Cancer	https://doi.org/10.3390/cells10040847
Robert Hearnden	STAR protocols	Isolation of stromal vascular fraction cell suspensions from mouse and human adipose tissues for downstream applications	https://doi.org/10.1016/j.xpro.2021.100422
Henry Gerdes	Nature Communications	Drug ranking using machine learning systematically predicts the efficacy of anti-cancer drugs	https://doi.org/10.1038/s41467-021-22170-8
Stephen Murtough	Journal of Investigative Dermatology	iRHOM2: A Regulator of Palmoplantar Biology, Inflammation, and Viral Susceptibility	https://doi.org/10.1016/j.jid.2020.09.010
Sara Ferri	Ultrasonics Sonochemistry	Tailoring the size of ultrasound responsive lipid-shelled nanodroplets by varying production parameters and environmental conditions	https://doi.org/10.1016/j.ultsonch.2021.105482
James Davies	iScience	Resolving cellular systems by ultra-sensitive and economical single-cell transcriptome filtering	https://doi.org/10.1016/j.isci.2021.102147
Caitlin Davies	Frontiers in Cell and Developmental Biology	The Identification of Plasma Exosomal miR-423-3p as a Potential Predictive Biomarker for Prostate Cancer Castration-Resistance Development by Plasma Exosomal r	https://doi.org/10.3389/fcell.2020.602493
Jacqui Nimmo	Alzheimer's Research & Therapy	Novel antibodies detect additional α-synuclein pathology in synucleinopathies: potential development for immunotherapy	https://doi.org/10.1186/s13195-020-00727-x
Patrick Trimby-Smith	European Respiratory Journal	Inhibition of Mast Cell Degranulation by Surfactant Protein D	https://doi.org/10.1183/13993003.congress-2020.2048
Nicolas J Roth	Journal of the American Chemical Society	Development of High-Specificity Fluorescent Probes to Enable Cannabinoid Type 2 Receptor Studies in Living Cells	https://doi.org/10.1021/jacs.0c05587

Sheila Olendo Barasa	EMBO reports	The breast cancer oncogene IKK ϵ coordinates mitochondrial function and serine metabolism	https://doi.org/10.15252/embr.201948260
Charys Papagregoriou	JCI insight	LILRB3 (ILT5) is a myeloid cell checkpoint that elicits profound immunomodulation	https://doi.org/10.1172/jci.insight.141593
Jacqui Nimmo	Alzheimer's & dementia	Peri-arterial pathways for clearance of α -Synuclein and tau from the brain: Implications for the pathogenesis of dementias and for immunotherapy	https://doi.org/10.1002/dad2.12070
George A Elder	Cell	Metabolic Fingerprinting Links Oncogenic PIK3CA with Enhanced Arachidonic Acid-Derived Eicosanoids	https://doi.org/10.1016/j.cell.2020.05.053
Lauren Cutmore	Pancreatology	Pancreatic Cancer UK Grand Challenge: Developments and challenges for effective CAR T cell therapy for pancreatic ductal adenocarcinoma	https://doi.org/10.1016/j.pan.2020.02.006
Elena Tomás-Bort	Theranostics	3D approaches to model the tumor microenvironment of pancreatic cancer	https://doi.org/10.7150/thno.42441
Joe Taylor	Exploration of Targeted Anti-tumor Therapy	Targeted inhibition of mRNA translation initiation factors as a novel therapeutic strategy for mature B-cell neoplasms	https://doi.org/10.37349/etat.2020.00002
Jacqui Nimmo	International Journal of molecular sciences	The Pattern of AQP4 Expression in the Ageing Human Brain and in Cerebral Amyloid Angiopathy	https://doi.org/10.3390/ijms21041225
Louise Carr	Leukemia	Clinical significance of TP53, BIRC3, ATM and MAPK-ERK genes in chronic lymphocytic leukaemia: data from the randomised UK LRF CLL4 trial	https://doi.org/10.1038/s41375-020-0723-2
James Davies, Kalum Clayton	Nature Communications	Genomic programming of IRF4-expressing human Langerhans cells	https://doi.org/10.1038/s41467-019-14125-x
Michaela JM Balderstone	Frontiers in Immunology	Syndecan-3 in Inflammation and Angiogenesis	https://doi.org/10.3389/fimmu.2019.03031
Caitlin Davies	Journal of Urology	Noninvasive Detection of Clinically Significant Prostate Cancer Using Circulating Tumor Cells	https://doi.org/10.1097/JU.0000000000000475
Annabel R Minton	Leukemia	BCR signaling contributes to autophagy regulation in chronic lymphocytic leukemia	https://doi.org/10.1038/s41375-019-0557-y
Sarah Johnson	Nature	Watching cancer cells evolve through chromosomal instability	10.1038/d41586-019-01709-2
Sarah Johnson	Molecular Cytogenetics	The emerging links between chromosomal instability (CIN), metastasis, inflammation and tumour immunity	https://doi.org/10.1186/s13039-019-0429-1
Minal B Patel	High-Throughput	The Identification and Interpretation of cis-Regulatory Noncoding Mutations in Cancer	https://doi.org/10.3390/ht8010001
Sarah Johnson	Science Signaling	IL-33 and ST2 mediate FAK-dependent antitumor immune evasion through transcriptional networks	https://doi.org/10.1126/scisignal.aan8355
Kalum Clayton	Frontiers in Immunology	Langerhans Cells-Programmed by the Epidermis	https://doi.org/10.3389/fimmu.2017.01676
Kalum Clayton	Am J Respir Crit Care Med	Gene Expression Signatures in Tuberculosis Have Greater Overlap with Autoimmune Diseases Than with Infectious Diseases	https://doi.org/10.1164/rccm.201706-1248le
Minal B Patel	PLoS Medicine	Signatures of inflammation and impending multiple organ dysfunction in the hyperacute phase of trauma: A prospective cohort study	10.1371/JOURNAL.PMED.1002694