

Name	Date of Publication	Journal	Title	DOI
Elise A Smith	15-May-25	Cell Genomics	Phenotypic heterogeneity and plasticity in colorectal cancer metastasis	https://doi.org/10.1016/j.xgen.2025.100881
Lauren Cutmore	30-Apr-25	Cancers	The Combination of Oncolytic Virus and Antibody Blockade of TGF-β Enhances the Efficacy of αvβ6-Targeting CAR T Cells Against Pancreatic Cancer in an Immune	https://doi.org/10.3390/cancers17091534
Sophie Skingsley	28-Apr-25	Molecular Cancer Therapeutics	Navitoclax, a Bcl-2/xL Inhibitor, and YM155, a Survivin Inhibitor, in Combination with Carboplatin, Effectively Inhibit Ovarian Cancer Tumor Growth	https://doi.org/10.1158/1535-7163.mct-23-0863
Rosa Alves Martins	11-Mar-25	Immunotherapy Advances	Therapeutic targeting of tumour-associated macrophage receptors	https://doi.org/10.1093/immadv/ita009
Rachel Lambert	24-Feb-25	Nature Communications	The deubiquitylating enzyme Fat facets promotes Fat signalling and restricts tissue growth	https://doi.org/10.1038/s41467-025-57164-3
James Parkin, Liam Edgeway	13-Feb-25	Particle and Fibre Toxicology	Copper-enriched automotive brake wear particles perturb human alveolar cellular homeostasis	https://doi.org/10.1186/s12989-024-00617-2
Thaneswari Karpanasamy	28-Jan-25	Trends in Cancer	Cancer evolution: from Darwin to the Extended Evolutionary Synthesis	https://doi.org/10.1016/j.trecan.2025.01.001
Sandra del Castillo del Rio	20-Jan-25	BioEssays	Assessing Human Ribosomal DNA Variation and Its Association With Phenotypic Outcomes	https://doi.org/10.1002/bies.202400232
Ester Valero Hernandez	30-Nov-24	Nutrients	Omega-3 Fatty Acids and Traumatic Injury in the Adult and Immature Brain	https://doi.org/10.3390/nu16234175
Christos Ermogenous	15-Nov-24	Cancer Research (Suppl.)	Abstract B022: Investigating how monocytes impair NK cell cytotoxicity in lung metastasis of triple-negative breast cancer	https://doi.org/10.1158/1538-7445.TUMBODY-B022
Ludovica Tarantola	15-Nov-24	Cancer Research (Suppl.)	Abstract C045: The extracellular matrix glycoprotein periostin supports chemotherapy resistance by modulating macrophage recruitment and phagocytosis in tri	https://doi.org/10.1158/1538-7445.TUMBODY-C045
Liam Edgeway	30-Oct-24	European Respiratory Journal (Suppl.)	The effect of air pollution on the antiviral immune response in pulmonary fibrosis [conference abstract]	https://doi.org/10.1183/13993003.congress-2024.PA4453
Jack Fisher	02-Sep-24	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	14-Sep-24	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	10-Sep-24	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 cli	https://doi.org/10.1111/bjh.19765
Lucy Sayer	21-Aug-24	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	28-May-24	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	22-May-24	JGH Open	Sensing of luminal contents and downstream modulation of GI function	https://doi.org/10.1002/jgh3.13083
Molly Guscott	29-Apr-24	Nature Genetics	Experimental evolution of cancer chromosomal changes	https://doi.org/10.1038/s41588-024-01742-6
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Christos Ermogenous	10-Dec-23	Methods in Molecular Biology, vol 2748	Isolation of Live Immune Cells from the Tumor Microenvironment by FACS	https://doi.org/10.1007/978-1-0716-3593-3_1
Jack Fisher	05-Dec-23	J Transl Genet Genom	Targeting KIR as a novel approach to improve CAR-NK cell function	https://doi.org/10.20517/itgg.2023.25
Robert Hearnden	05-Nov-23	Nature Metabolism	The glucose transporter 2 regulates CD8+ T cell function via environment sensing	https://www.nature.com/articles/s42255-023-00913-9
Jovanna Maharaj	18-Sep-23	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
Dillon Popat	30-Aug-24	Eur J Endocrinol	Primary unilateral macronodular adrenal hyperplasia with concomitant glucocorticoid and androgen excess and KDM1A inactivation	https://doi.org/10.1093/ejendo/uae106
Dillon Popat	05-Aug-24	JCEM Case Rep	A Novel Maternally Inherited GNAS Variant in a Family With Hyperphagia and Obesity: 3 Cases	https://doi.org/10.1210/icemcr/uae125
Jack Fisher	01-Aug-23	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	02-Jun-23	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	19-May-23	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
Marcos Burger Ramos	15-May-23	Nature Communications	Extracellular matrix educates an immunoregulatory tumor macrophage phenotype found in ovarian cancer metastasis	https://doi.org/10.1038/s41467-023-38093-5
Nicolas J Roth	May-23	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	19-Apr-23	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	17-Apr-23	The EMBO Journal	Targeted assembly of ectopic kinetochores to induce chromosome-specific segmental aneuploidies	https://doi.org/10.15252/embi.2022111587
Ottilie Swinyard	17-Apr-23	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	31-Mar-23	The Biochemical Journal	Principles of phosphoproteomics and applications in cancer research	https://doi.org/10.1042/bci20220220
Nicolas J Roth	21-Mar-23	eLife	Purinergic GPCR-integrin interactions drive pancreatic cancer cell invasion	https://doi.org/10.7554/eLife.86971
Elena Tomás-Bort	02-Mar-23	NPJ Breast Cancer	TGFβ-mediated MMP13 secretion drives myoeptithelial cell dependent breast cancer progression	https://doi.org/10.1038%2Fs41523-023-00513-6
Kalum Clayton	22-Feb-23	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	16-Jan-23	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	23-Nov-22	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	01-Nov-22	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	31-Oct-22	Endocrine Connections	Identification of a novel specific small-molecule melanocortin-2-receptor antagonist	https://doi.org/10.1530%2FEC-22-0020
Sarah Johnson	20-Oct-22	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	20-Sep-22	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/i.biocel.2022.106300
James Davies, Kalum Clayton	20-Sep-22	Frontiers in Immunology	Transcriptional programming of immunoregulatory responses in human Langerhans cells	https://doi.org/10.3389/fimmu.2022.892254
Robert Hearnden	19-Sep-22	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	12-Sep-22	Developmental Cell	The spatiotemporal dynamics of microglia across the human lifespan	https://doi.org/10.1016/i.devcel.2022.07.015
Lauren Cutmore	24-Aug-22	Frontiers in Cell and Developmental Biology	Ligand-bound integrin αvβ6 internalisation and trafficking	https://doi.org/10.3389/fcell.2022.920303
Jack Fisher	15-Jul-22	The Journal of Immunology	KIR2DS2 Expression Identifies NK Cells With Enhanced Anticancer Activity	https://doi.org/10.4049/jimmunol.2101139
Atiya Sarmin	16-Jun-22	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	17-May-22	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	May-22	The International Journal of Biochemistry & Cell Biology	Roles of Syndecan-4 in cardiac injury and repair	https://doi.org/10.1016/i.biocel.2022.106196
Kri Müller	07-Apr-22	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	01-Apr-22	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	21-Mar-22	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	14-Mar-22	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	08-Mar-22	Current Protocols	Fabrication of Human Skin Equivalents Using Decellularized Extracellular Matrix	https://doi.org/10.1002/cpz1.393
Annabel R Minton	25-Feb-22	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	03-Feb-22	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	24-Dec-21	The FEBS Journal	FGF signalling facilitates cervical cancer progression	https://doi.org/10.1111/febs.16331
Henry Gerdes	15-Dec-21	Clinical Proteomics	Implementation of Clinical Phosphoproteomics and Proteomics for Personalized Medicine	https://doi.org/10.1007/978-1-0716-1936-0_8
Laura Reid	02-Dec-21	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	01-Dec-21	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	29-Nov-21	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	29-Nov-21	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	06-Nov-21	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	12-Oct-21	Biomolecules	Quantitative Super-Resolution Imaging for the Analysis of GPCR Oligomerization	https://doi.org/10.3390/biom11101503
Jacqui Nimmo	01-Sep-21	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	16-Aug-21	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	05-Aug-21	Cancers (Basel)	Kallikrein-Related Peptidase 6 Is Associated with the Tumour Microenvironment of Pancreatic Ductal Adenocarcinoma	https://doi.org/10.3390/cancers13163969
Cinderella Short	27-Jul-21	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	08-Jul-21	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	15-Jun-21	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	08-Jun-21	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	03-Jun-21	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	28-May-21	Ultrasound in medicine & biology	Investigation of the Acoustic Vaporization Threshold of Lipid-Coated Perfluorobutane Nanodroplets Using Both High-Speed Optical Imaging and Acoustic Method	https://doi.org/10.1016/i.ultrasmedbio.2021.02.019

Nicolas J Roth	21-May-21	Science	Structure reveals the activation mechanism of the MC4 receptor to initiate satiation signaling	https://doi.org/10.1126/science.abf7958
James Davies	04-May-21	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 Epithelial	https://doi.org/10.1093/ecco-icc/ijaa236
Kalum Clayton	01-May-21	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	16-Apr-21	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	08-Apr-21	Cells	Dissecting FGF Signalling to Target Cellular Crosstalk in Pancreatic Cancer	https://doi.org/10.3390/cells10040847
Robert Hearnden	30-Mar-21	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	25-Mar-21	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	19-Mar-21	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	12-Feb-21	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	05-Feb-21	iScience	Resolving cellular systems by ultra-sensitive and economical single-cell transcriptome filtering	https://doi.org/10.1016/j.isci.2021.102147
Caitlin Davies	07-Jan-21	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 Exosome	https://doi.org/10.3389/fcell.2020.602493
Jacqui Nimmo	30-Nov-20	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	28-Oct-20	European Respiratory Journal	Inhibition of Mast Cell Degranulation by Surfactant Protein D	10.1183/13993003.congress-2020.2048
Nicolas J Roth	07-Oct-20	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	03-Sep-20	EMBO reports	The breast cancer oncogene IKK ϵ coordinates mitochondrial function and serine metabolism	https://doi.org/10.15252/embr.201948260
Charys Papagregoriou	01-Sep-20	JCI insight	LILRB3 (ILT5) is a myeloid cell checkpoint that elicits profound immunomodulation	https://doi.org/10.1172/jci.insight.141593
Jacqui Nimmo	28-Jul-20	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	25-Jun-20	Cell	Metabolic Fingerprinting Links Oncogenic PIK3CA with Enhanced Arachidonic Acid-Derived Eicosanoids	https://doi.org/10.1016/j.cell.2020.05.053
Lauren Cutmore	10-Apr-20	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	06-Apr-20	Theranostics	3D approaches to model the tumor microenvironment of pancreatic cancer	https://doi.org/10.7150/thno.42441
Joe Taylor	29-Feb-20	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	12-Feb-20	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	03-Feb-20	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	16-Jan-20	Nature Communications	Genomic programming of IRF4-expressing human Langerhans cells	https://doi.org/10.1038/s41467-019-14125-x
Michaela JM Balderstone	09-Jan-20	Frontiers in Immunology	Syndecan-3 in Inflammation and Angiogenesis	https://doi.org/10.3389/fimmu.2019.03031
Caitlin Davies	01-Jan-20	Journal of Urology	Noninvasive Detection of Clinically Significant Prostate Cancer Using Circulating Tumor Cells	https://doi.org/10.1097/JU.0000000000000475
Annabel R Minton	28-Aug-19	Leukemia	BCR signaling contributes to autophagy regulation in chronic lymphocytic leukemia	https://doi.org/10.1038/s41375-019-0557-y
Sarah Johnson	03-Jun-19	Nature	Watching cancer cells evolve through chromosomal instability	10.1038/d41586-019-01709-2
Sarah Johnson	14-May-19	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	20-Dec-18	High-Throughput	The Identification and Interpretation of cis-Regulatory Noncoding Mutations in Cancer	https://doi.org/10.3390/ht8010001
Sarah Johnson	05-Dec-17	Science Signaling	IL-33 and ST2 mediate FAK-dependent antitumor immune evasion through transcriptional networks	https://doi.org/10.1126/scisignal.aan8355
Kalum Clayton	29-Nov-17	Frontiers in Immunology	Langerhans Cells-Programmed by the Epidermis	https://doi.org/10.3389/fimmu.2017.01676
Kalum Clayton	01-Sep-17	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	17-Jul-17	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