Name	Date of Publication Journal	Title	DOI
Molly Guscott	29-Apr-24 Nature Genetics	Experimental evolution of cancer chromosomal changes	https://doi.org/10.1038/s41588-024-01742-6
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/jtgg.2023.25
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
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
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/embj.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/bcj20220220
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, Nicolas Roth	21-Mar-23 eLife	Purinergic GPCR-integrin interactions drive pancreatic cancer cell invasion	https://doi.org/10.7554%2FeLife.86971
Elena Tomás-Bort	02-Mar-23 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	22-Feb-23 The British Journal of Dermatology	Skin programming of inflammatory responses to Staphylococcus aureus is compartmentalized according to epidermal keratinocyte differentiation st	
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-22-0338
Sarah Johnson	20-Oct-22 Genome Biology	·	https://doi.org/10.1186/s13059-022-02781-0
		Replication stress generates distinctive landscapes of DNA copy number alterations and chromosome scale losses The multifaceted role of micronuclei in tumour progression: A whole organism perspective.	
Molly Guscott , Akash Saha , Jovanna Ma		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	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/j.devcel.2022.07.015
Lauren Cutmore	24-Aug-22 Frontiers in Cell and Developmental Biology	Ligand-bound integrin ανβ6 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/j.biocel.2022.106196
Kri Müller	07-Apr-22 Journal of experimental & clinical cancer research	HIF activation enhances FcyRIIb 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 g	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	
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 Id	
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	
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/10.3590/ceiis10040847
	•	Drug ranking using machine learning systematically predicts the efficacy of anti-cancer drugs	https://doi.org/10.1016/j.xpr0.2021.100422
Henry Gerdes	25-Mar-21 Nature Communications	Drug ranking using machine learning systematically predicts the efficacy of affilied utugs	1111/2-1/1011018/10.1020/541407-UZ1-ZZ17U-8

Stephen Murtough 19-Mar-21 Journal of Investigative Dermatology 12-Feb-21 Ultrasonics Sonochemistry Sara Ferri

James Davies 05-Feb-21 iScience

Caitlin Davies 07-Jan-21 Frontiers in Cell and Developmental Biology

Jacqui Nimmo 30-Nov-20 Alzheimer's Research & Therapy Patrick Trimby-Smith 28-Oct-20 European Respiratory Journal

Nicolas I Roth 07-Oct-20 Journal of the American Chemical Society

Sheila Olendo Barasa 03-Sep-20 EMBO reports Charys Papagregoriou 01-Sep-20 JCI insight

Jacqui Nimmo 28-Jul-20 Alzheimer's & dementia

George A Elder 25-Jun-20 Cell

Louise Carr

Kalum Clayton

Lauren Cutmore 10-Apr-20 Pancreatology Elena Tomás-Bort 06-Apr-20 Theranostics

loe Taylor 29-Feb-20 Exploration of Targeted Anti-tumor Therapy

12-Feb-20 International Journal of molecular sciences Jacqui Nimmo

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01-Sep-17 Am J Respir Crit Care Med

James Davies, Kalum Clayton 16-Jan-20 Nature Communications Michaela JM Balderstone 09-Jan-20 Frontiers in Immunology Caitlin Davies 01-Jan-20 Journal of Urology Annabel R Minton 28-Aug-19 Leukemia

Sarah Johnson 03-Jun-19 Nature

Sarah Johnson 14-May-19 Molecular Cytogenetics Minal B Patel 20-Dec-18 High-Throughput Sarah Johnson 05-Dec-17 Science Signaling Kalum Clayton 29-Nov-17 Frontiers in Immunology

Minal B Patel 17-Jul-17 PLoS Medicine iRHOM2: A Regulator of Palmoplantar Biology, Inflammation, and Viral Susceptibility

Tailoring the size of ultrasound responsive lipid-shelled nanodroplets by varying production parameters and environmental conditions

Resolving cellular systems by ultra-sensitive and economical single-cell transcriptome filtering

The Identification of Plasma Exosomal miR-423-3p as a Potential Predictive Biomarker for Prostate Cancer Castration-Resistance Development by Pla https://doi.org/10.3389/fcell.2020.602493

Novel antibodies detect additional α-synuclein pathology in synucleinopathies: potential development for immunotherapy Inhibition of Mast Cell Degranulation by Surfactant Protein D

Development of High-Specificity Fluorescent Probes to Enable Cannabinoid Type 2 Receptor Studies in Living Cells

The breast cancer oncogene IKKE coordinates mitochondrial function and serine metabolism

LILRB3 (ILT5) is a myeloid cell checkpoint that elicits profound immunomodulation

Peri-arterial pathways for clearance of α-Synuclein and tau from the brain: Implications for the pathogenesis of dementias and for immunotherapy

Metabolic Fingerprinting Links Oncogenic PIK3CA with Enhanced Arachidonic Acid-Derived Eicosanoids

Pancreatic Cancer UK Grand Challenge: Developments and challenges for effective CAR T cell therapy for pancreatic ductal adenocarcinoma

3D approaches to model the tumor microenvironment of pancreatic cancer

Targeted inhibition of mRNA translation initiation factors as a novel therapeutic strategy for mature B-cell neoplasms

The Pattern of AQP4 Expression in the Ageing Human Brain and in Cerebral Amyloid Angiopathy

Clinical significance of TP53, BIRC3, ATM and MAPK-ERK genes in chronic lymphocytic leukaemia: data from the randomised UK LRF CLL4 trial

Genomic programming of IRF4-expressing human Langerhans cells

Syndecan-3 in Inflammation and Angiogenesis

Noninvasive Detection of Clinically Significant Prostate Cancer Using Circulating Tumor Cells

BCR signaling contributes to autophagy regulation in chronic lymphocytic leukemia

Watching cancer cells evolve through chromosomal instability

The emerging links between chromosomal instability (CIN), metastasis, inflammation and tumour immunity

The Identification and Interpretation of cis-Regulatory Noncoding Mutations in Cancer

IL-33 and ST2 mediate FAK-dependent antitumor immune evasion through transcriptional networks

Langerhans Cells-Programmed by the Epidermis

Gene Expression Signatures in Tuberculosis Have Greater Overlap with Autoimmune Diseases Than with Infectious Diseases

Signatures of inflammation and impending multiple organ dysfunction in the hyperacute phase of trauma: A prospective cohort study

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