

List of keywords

in alphabetical order

Acute Lymphoblastic Leukemia (ALL)	Biophysics
Acute Myeloid Leukemia (AML)	Bladder tumor
Adenovirus	Body mass index (BMI) and/or obesity
Adjuvant therapy	Bone disease
Aging and cancer	Bone morphogenetic protein (BMP)
AIDS/HIV/Kaposi	BRAF/RAF kinases
Androgen and/or receptors	Brain and/or nervous system tumors
Aneuploidy	BRCA
Angiogenesis and/or vasculogenesis	Breast ca.
Animal models	Burkitt lymphoma
Anti-angiogenic therapy	C.elegans
Antibody/mAb therapy	Cachexia
Apoptosis	Cadherins
Aromatase and/or inhibitors	Cancer evolution
Artificial intelligence	Cancer stem cells
ATM pathway	Cancer-associated fibroblasts
ATR pathway	CAR engineered cells
Autoimmunity/Autoantibodies	Carcinogenesis
Autophagy	Caspases
B cells	Caveolin
bcl2 family	CD133/Stem cell markers
BCR-Abl/Abl	Cell adhesion and/or cell adhesion molecules
Biliary tract carcinoma/Cholangiocarcinoma	Cell cycle
Biobanking	Cell cycle checkpoint G1/S
Biochemistry	Cell cycle checkpoint G2/M
Bioinformatics	Cell differentiation and/or differentiation therapy
Biomarkers	Cell metabolism
Biomaterial	Cell migration, motility and/or invasion
Biomolecular modelling	Cell polarity

Cell signaling	Cytotoxic T Lymphocytes (CTL)
Centrosome	Dendritic cells
Cervix or endometrial ca.	Diagnosis
Chemistry	Diet
Chemoimmunotherapy	Digital pathology
Chemokines	DNA damage
Chemotherapy and/or chemotherapeutic drugs	DNA double strand break repair (DSBR)
Chromatin remodeling	DNA methylation
Chronic Lymphocytic Leukemia (CLL)	DNA recombination
Chronic Myeloid Leukemia (CML)	DNA repair
Circadian clock	DNA replication
Circulating tumor cells	DNA single strand break repair (SSBR)
Circulating tumor DNA	Docking
Clinical practice guidelines	Drosophila
Clinical trials	Drug delivery
Colorectal and/or Intestinal ca.	Drug discovery and/or development
Combination therapy	Drug metabolism
Comparative genomics hybridization (CGH)	Drug repurposing
Complement system	Drug response and/or resistance
Computational biology	Drug screening
Computer Tomography (CT Scan)	Drug toxicity
Costimulatory molecules	EGF and/or receptors
COX2	Embryonic development
CRISPR/Cas9	Endocrinology
Crosstalk	Endocytosis
Crystallography	Endoplasmic reticulum (ER)
Cyclic AMP	Endoscopy
Cyclins and/or inhibitors	Endothelial cells
Cytogenetics and/or chromosome alterations	Environmental health
Cytokines/Interleukins	Epidemiology
Cytokinesis	Epigenetics
Cytoskeleton	Epithelial mesenchyme transition (EMT)

Epstein-Barr Virus (EBV)	Glioma and/or glioblastoma
Esophageal ca.	Glucocorticoids and/or receptors
Estrogens and/or receptors	Glucose metabolism and/or Warburg effect
Exosomes and/or endogenous microvescicles	Glycoproteins and/or glycosylation
Extracellular Matrix (ECM)/Stroma	Golgi
Fas and/or FasL	G-proteins and/or GPCR
Fatty acids	Granulocytes
Fecal microbiota transplant (FMT)	Growth factors and/or receptors
Ferroptosis	Growth induction and/or growth arrest
Fertility preservation	GVHD and/or Graft versus Tumor
FGF and/or receptor	Gynecological tumors
Fibrosis	Hadron therapy
Flow cytometry	Head and neck ca.
Fluorescence imaging system	Heat shock proteins (HSP)
Fluorescence in situ hybridization (FISH)	Hedgehog pathway
Fluorescence resonance energy transfer (FRET)	Hematologic malignancies
Focal Adhesion/FAK	Hematopoiesis
Folate and/or receptor	Hematopoietic stem cell transplantation (HSCT)
Functional genomics	Hematopoietic stem cells
Functional validation of target genes	Hemostasis and thrombosis
Fusion genes	Hepatitis B virus (HBV)
Gastric ca.	Hepatitis C virus (HCV)
Gene alteration/gain or loss	Hepatocellular carcinoma (HCC)
Gene expression and/or profile	HER1-2-3-4
Gene regulation	Hereditary DNA repair disorders
Gene therapy	Hereditary tumors
Genetics	Herpes virus
Genome wide screening/GWAS	High Mobility Group Proteins (HMG)
Genomic imprinting	Hippo pathway
Genomic/Genetic instability	Histone modifications
Genomics	HLA/Major Histocompatibility Complex (MHC)
Genotoxicity	Hodgkin's lymphoma

Homologous recombination	Lipidomics
Hormones	Lipoxygenases
Human Papilloma Virus (HPV)	Liquid biopsy
Hypoxia/Hypoxia-inducible Factors (HIF-1)	Liver development and/or regeneration
Immune escape	Locoregional Therapy
Immunization	Loss of heterozygosity (LOH)
Immuno-editing	Lung ca.
Immunohistochemistry	Lymph nodes
Immunosuppression and/or suppressor cells	Lymphatics and/or lymphangiogenesis
Immunotherapy	Lymphocyte differentiation
In vitro imaging and/or live cell imaging	Lymphomas
In vivo imaging	Lysosomes
Infection	Machine learning
Inflammasomes	Macrophages and/or monocytes
Inflammation and/or inflammatory cytokines	Magnetic resonance imaging (MRI)
Inflammatory Bowel Disease (IBD)	Mammography
Inhibitor of apoptosis proteins (IAPs)	MAP Kinases
Innate immunity	Mass spectrometry
Insulin	Mast cells
Insulin-like growth factor (IGF) and/or receptors	Mathematical modeling
Integrins and/or Integrin-linked kinase (ILK)	Mathematical oncology
Interferons	Matrix metalloproteases (MMP) and/or inhibitors
Ion channels	MDM2
Iron metabolism	Mechanobiology
Jak/Stat pathway	Medical physics
Kidney ca.	Medical physics
Kinase/Kinome	Medulloblastoma
Laparoscopy	Melanoma
Lentivirus	Membrane biology
Leukaemia	Mesothelioma
Lipid metabolism	MET/HGF
Lipidic mediators	Metabolism/Metabolomics

Metallo-drugs	NK and/or NKT cells
Metastasis	NMR spectroscopy
Microarrays	Non apoptotic cell death
Microbiome	Non melanoma skin tumors
Microenvironment	Normal stem cells
Microfluidics	Notch pathway
microRNA	Nuclear medicine
Microscopy	Nuclear receptor
Microsystem technology	Nuclear structures
Minimal Residual Disease (MRD)	Nucleophosmin (NPM)
Mitochondria	Oncogenes
Mitosis	Oncogenic virus/Viral oncology
Monoclonal antibodies (mAbs) and/or immunoconjugates	Organic compounds
Mouse models	Organoids
mRNA processing	Organ-on-chip
mRNA translation	Orphan tumors
Multidrug resistance (MDR)	Osteopontin
Muscle biology	Osteosarcoma
Mutation (somatic and/or germline)	Ovarian ca.
Myc	Oxidative stress and/or Reactive Oxygen Species (ROS)
Myelodysplastic syndromes (MDS)	p21 - activated kinases (PAK)
Myeloma	p53, p63, p73
Myeloproliferative neoplasms	Palliative care
Nanotechnology/Nanoparticles	Pancreas ca.
Neoadjuvant therapy	Pathology
Netrin receptors	Patient risk stratification
Neuroblastoma	Patient-derived xenografts (PDX)
Neuroendocrine tumors	PDGF and/or receptors
Neurons	Pediatric tumors
Next generation sequencing	Peptides as drugs
NF-κB family	Peroxisome proliferator-activated receptor (PPAR)
Nitric oxide	PET and/or PET-CT

Phage display	Radiotherapy
Phagocytes and/or phagocytosis	Radiotoxicity
Pharmacogenetics/Pharmacogenomics	RAS/RAS inhibitors
Pharmacokinetics	Rb/Rb family
Pharmacology	Response and/or resistance to therapy
Phosphatases	RET
Phospholipids	Retinoblastoma
Phosphorylation	Retinoic acid and/or receptors
Photodynamic therapy and photodetection	Retrospective studies
Photonics	Rho GTPases family
PI3K/Akt/PTEN/mTOR pathway	Ribosomes
Poly-ADP-ribose polymerase (PARP)	Risk factors
Polymorphisms/SNPs	RNA binding proteins
Post-translational modification	RNA splicing
Precancerous lesions	Robotics
Preclinical studies	Sarcoma
Prevention and/or chemoprevention	Screening
Primary of Unknown Origin	Senescence
Prognosis	Sensors
Prostaglandins	Side effects
Prostate ca.	Signal transduction inhibitors
Proteasome	siRNA and/or non coding RNA
Protein degradation	Small molecule inhibitors
Protein kinase C (PKC)	Smoking
Protein microarrays	Soft tissue tumors
Protein structure	Solid tumors
Proteomics	Sonodynamic therapy
Radiochemistry	SPECT
Radiology	Spheroids/3D cultures
Radiomics	Src family
Radionuclide therapy	Staging
Radiosensitivity and/or resistance	Statistics

Stress response	Treg cells
SUMO and/or sumoylation	Triple negative breast ca.
Surgery	Tumor ablation
Survival analysis	Tumor antigen
Synthetic lethality	Tumor dormancy
Systems biology	Tumor suppressor genes
T cells/TCR	Tumor-associated macrophages (TAMs)
T helpers	Tumor-infiltrating Lymphocytes (TIL)
Target therapy	Tumor-stroma interaction
Telomere and/or telomerase	Tyrosine kinase receptors (TKR) and/or inhibitors
Testis ca.	Ubiquitin and/or ubiquitination
TGF and/or receptors	Ultrasound
Thermal therapy	Unfolded Protein response (UPR)
Thymoma	Urokinase-Plasminogen System (uPA, uPAR, PAI)
Thyroid ca.	Uveal melanoma
Thyroid hormone	Vaccine
Tissue engineering	VEGF and/or receptor
Tissue microarrays (TMA)	Virology
TNF and/or receptors	Von Hippel-Lindau (VHL)
Tolerance	Wilms' Tumor Gene (WT1)
Toll-like receptors (TLR)	Wnt/beta-catenin pathway
Topoisomerase	Xenopus
TRAIL	Yeast
Transcription	Zebrafish
Transcription factors	
Transcriptome/Transcriptomics	
Transformation assays	
Transgenic mice	
Translation initiation factors	
Translesion synthesis	
Translocation	
Transplantation	