

List of keywords

in alphabetical order

Acute Lymphoblastic Leukemia (ALL)
Acute Myeloid Leukemia (AML)
Adenovirus
Adjuvant therapy
Aging and cancer
AIDS/HIV/Kaposi
Androgen and/or receptors
Aneuploidy
Angiogenesis and/or vasculogenesis
Animal models
Anti-angiogenic therapy
Antibody/mAb therapy
Apoptosis
Aromatase and/or inhibitors
Artificial intelligence
ATM pathway
ATR pathway
Autoimmunity/Autoantibodies
Autophagy
B cells
bcl2 family
BCR-Abl/Abl
Biliary tract carcinoma/Cholangiocarcinoma
Biobanking
Biochemistry
Bioinformatics
Biomarkers
Biomaterial
Biomolecular modelling
Biophysics
Bladder tumor
Body mass index (BMI) and/or obesity
Bone disease
Bone morphogenetic protein (BMP)
BRAF/RAF kinases
Brain and/or nervous system tumors
BRCA
Breast ca.
Burkitt lymphoma
C.elegans
Cachexia
Cadherins
Cancer evolution
Cancer stem cells
Cancer-associated fibroblasts
CAR engineered cells
Carcinogenesis
Caspases
Caveolin
CD133/Stem cell markers
Cell adhesion and/or cell adhesion molecules
Cell cycle
Cell cycle checkpoint G1/S
Cell cycle checkpoint G2/M
Cell differentiation and/or differentiation therapy
Cell metabolism
Cell migration, motility and/or invasion
Cell polarity
Cell signaling
Centrosome
Cervix or endometrial ca.
Chemistry
Chemoimmunotherapy
Chemokines
Chemotherapy and/or chemotherapeutic drugs
Chromatin remodeling
Chronic Lymphocytic Leukemia (CLL)
Chronic Myeloid Leukemia (CML)
Circadian clock
Circulating tumor cells
Circulating tumor DNA
Clinical practice guidelines
Clinical trials
Colorectal and/or Intestinal ca.
Combination therapy
Comparative genomics hybridization (CGH)
Complement system
Computational biology
Computer Tomography (CT Scan)
Costimulatory molecules

COX2
 CRISPR/Cas9
 Crosstalk
 Crystallography
 Cyclic AMP
 Cyclins and/or inhibitors
 Cytogenetics and/or chromosome alterations
 Cytokines/Interleukins
 Cytokinesis
 Cytoskeleton
 Cytotoxic T Lymphocytes (CTL)
 Dendritic cells
 Diagnosis
 Diet
 Digital pathology
 DNA damage
 DNA double strand break repair (DSBR)
 DNA methylation
 DNA recombination
 DNA repair
 DNA replication
 DNA single strand break repair (SSBR)
 Docking
 Drosophila
 Drug delivery
 Drug discovery and/or development
 Drug metabolism
 Drug repurposing
 Drug response and/or resistance
 Drug screening
 Drug toxicity
 EGF and/or receptors
 Embryonic development
 Endocrinology
 Endocytosis
 Endoplasmic reticulum (ER)
 Endoscopy
 Endothelial cells
 Environmental health
 Epidemiology
 Epigenetics
 Epithelial mesenchyme transition (EMT)
 Epstein-Barr Virus (EBV)
 Esophageal ca.
 Estrogens and/or receptors
 Exosomes and/or endogenous microvesicles
 Extracellular Matrix (ECM)/Stroma
 Fas and/or FasL
 Fatty acids
 Fecal microbiota transplant (FMT)
 Ferroptosis
 Fertility preservation
 FGF and/or receptor
 Fibrosis
 Flow cytometry
 Fluorescence imaging system
 Fluorescence in situ hybridization (FISH)
 Fluorescence resonance energy transfer (FRET)
 Focal Adhesion/FAK
 Folate and/or receptor
 Functional genomics
 Functional validation of target genes
 Fusion genes
 Gastric ca.
 Gene alteration/gain or loss
 Gene expression and/or profile
 Gene regulation
 Gene therapy
 Genetics
 Genome wide screening/GWAS
 Genomic imprinting
 Genomic/Genetic instability
 Genomics
 Genotoxicity
 Glioma and/or glioblastoma
 Glucocorticoids and/or receptors
 Glucose metabolism and/or Warburg effect
 Glycoproteins and/or glycosylation
 Golgi
 G-proteins and/or GPCR
 Granulocytes
 Growth factors and/or receptors
 Growth induction and/or growth arrest
 GVHD and/or Graft versus Tumor
 Gynecological tumors
 Hadron therapy
 Head and neck ca.
 Heat shock proteins (HSP)
 Hedgehog pathway
 Hematologic malignancies

Hematopoiesis
Hematopoietic stem cell transplantation (HSCT)
Hematopoietic stem cells
Hemostasis and thrombosis
Hepatitis B virus (HBV)
Hepatitis C virus (HCV)
Hepatocellular carcinoma (HCC)
HER1-2-3-4
Hereditary DNA repair disorders
Hereditary tumors
Herpes virus
High Mobility Group Proteins (HMG)
Hippo pathway
Histone modifications
HLA/Major Histocompatibility Complex (MHC)
Hodgkin's lymphoma
Homologous recombination
Hormones
Human Papilloma Virus (HPV)
Hypoxia/Hypoxia-inducible Factors (HIF-1)
Immune escape
Immunization
Immuno-editing
Immunohistochemistry
Immunosuppression and/or suppressor cells
Immunotherapy
In vitro imaging and/or live cell imaging
In vivo imaging
Infection
Inflammasomes
Inflammation and/or inflammatory cytokines
Inflammatory Bowel Disease (IBD)
Inhibitor of apoptosis proteins (IAPs)
Innate immunity
Insulin
Insulin-like growth factor (IGF) and/or receptors
Integrins and/or Integrin-linked kinase (ILK)
Interferons
Ion channels
Iron metabolism
Jak/Stat pathway
Kidney ca.
Kinase/Kinome
Laparoscopy
Lentivirus
Leukaemia
Lipid metabolism
Lipidic mediators
Lipidomics
Lipoxygenases
Liquid biopsy
Liver development and/or regeneration
Locoregional Therapy
Loss of heterozygosity (LOH)
Lung ca.
Lymph nodes
Lymphatics and/or lymphangiogenesis
Lymphocyte differentiation
Lymphomas
Macrophages and/or monocytes
Magnetic resonance imaging (MRI)
Mammography
MAP Kinases
Mass spectrometry
Mast cells
Mathematical modeling
Mathematical oncology
Matrix metalloproteases (MMP) and/or inhibitors
MDM2
Mechanobiology
Medical physics
Medical physics
Medulloblastoma
Melanoma
Membrane biology
Mesothelioma
MET/HGF
Metabolism/Metabolomics
Metallo-drugs
Metastasis
Microarrays
Microbiome
Microenvironment
Microfluidics
microRNA
Microscopy
Microsystem technology
Minimal Residual Disease (MRD)
Mitochondria
Mitosis

Monoclonal antibodies (mAbs) and/or immunoconjugates
Mouse models
mRNA processing
mRNA translation
Multidrug resistance (MDR)
Muscle biology
Mutation (somatic and/or germline)
Myc
Myelodysplastic syndromes (MDS)
Myeloma
Myeloproliferative neoplasms
Nanotechnology/Nanoparticles
Neoadjuvant therapy
Netrin receptors
Neuroblastoma
Neuroendocrine tumors
Neurons
Next generation sequencing
NF- κ B family
Nitric oxide
NK and/or NKT cells
NMR spectroscopy
Non apoptotic cell death
Non melanoma skin tumors
Normal stem cells
Notch pathway
Nuclear medicine
Nuclear receptor
Nuclear structures
Nucleophosmin (NPM)
Oncogenes
Oncogenic virus/Viral oncology
Organic compounds
Organoids
Organ-on-chip
Orphan tumors
Osteopontin
Osteosarcoma
Ovarian ca.
Oxidative stress and/or Reactive Oxygen Species (ROS)
p21 - activated kinases (PAK)
p53, p63, p73
Palliative care
Pancreas ca.
Pathology
Patient risk stratification
Patient-derived xenografts (PDX)
PDGF and/or receptors
Pediatric tumors
Peptides as drugs
Peroxisome proliferator-activated receptor (PPAR)
PET and/or PET-CT
Phage display
Phagocytes and/or phagocytosis
Pharmacogenetics/Pharmacogenomics
Pharmacokinetics
Pharmacology
Phosphatases
Phospholipids
Phosphorylation
Photodynamic therapy and photodetection
Photonics
PI3K/Akt/PTEN/mTOR pathway
Poly-ADP-ribose polymerase (PARP)
Polymorphisms/SNPs
Post-translational modification
Precancerous lesions
Preclinical studies
Prevention and/or chemoprevention
Primary of Unknown Origin
Prognosis
Prostaglandins
Prostate ca.
Proteasome
Protein degradation
Protein kinase C (PKC)
Protein microarrays
Protein structure
Proteomics
Radiochemistry
Radiology
Radiomics
Radionuclide therapy
Radiosensitivity and/or resistance
Radiotherapy
Radiotoxicity
RAS/RAS inhibitors
Rb/Rb family
Response and/or resistance to therapy

RET
Retinoblastoma
Retinoic acid and/or receptors
Retrospective studies
Rho GTPases family
Ribosomes
Risk factors
RNA binding proteins
RNA splicing
Robotics
Sarcoma
Screening
Senescence
Sensors
Side effects
Signal transduction inhibitors
siRNA and/or non coding RNA
Small molecule inhibitors
Smoking
Soft tissue tumors
Solid tumors
Sonodynamic therapy
SPECT
Spheroids/3D cultures
Src family
Staging
Statistics
Stress response
SUMO and/or sumoylation
Surgery
Survival analysis
Synthetic lethality
Systems biology
T cells/TCR
T helpers
Target therapy
Telomere and/or telomerase
Testis ca.
TGF and/or receptors
Thermal therapy
Thermal therapy
Thymoma
Thyroid ca.
Thyroid hormone
Tissue engineering
Tissue microarrays (TMA)
TNF and/or receptors
Tolerance
Toll-like receptors (TLR)
Topoisomerase
TRAIL
Transcription
Transcription factors
Transcriptome/Transcriptomics
Transformation assays
Transgenic mice
Translation initiation factors
Translesion synthesis
Translocation
Transplantation
Treg cells
Triple negative breast ca.
Tumor ablation
Tumor antigen
Tumor dormancy
Tumor suppressor genes
Tumor-associated macrophages (TAMs)
Tumor-infiltrating Lymphocytes (TIL)
Tumor-stroma interaction
Tyrosine kinase receptors (TKR) and/or inhibitors
Ubiquitin and/or ubiquitination
Ultrasound
Unfolded Protein response (UPR)
Urokinase-Plasminogen System (uPA, uPAR, PAI)
Vaccine
VEGF and/or receptor
Virology
Von Hippel-Lindau (VHL)
Wilms' Tumor Gene (WT1)
Wnt/beta-catenin pathway
Xenopus
Yeast
Zebrafish