



<b>4132-ASIP</b>	Aberrant signaling in cancer
<b>4069-ASIP</b>	Adenosine monophosphate-activated protein kinase (AMPK) signaling in cardiac disease
<b>4010-ASIP</b>	Advanced cellular imaging in pathology
<b>4050-ASIP</b>	Allergic diseases
<b>4096-ASIP</b>	Alzheimer's disease/Parkinson's disease
<b>4148-ASIP</b>	Angiogenesis and vascular development
<b>4141-ASIP</b>	Animal cancer models
<b>4063-ASIP</b>	Animal models of heart disease
<b>4073-ASIP</b>	Animal models of liver disease
<b>4083-ASIP</b>	Animal models of lung disease
<b>4095-ASIP</b>	Animal models of neuropathology
<b>4149-ASIP</b>	Animal models of vascular diseases
<b>4031-ASIP</b>	Apoptosis/necrosis
<b>4150-ASIP</b>	Atherosclerosis and restenosis
<b>4051-ASIP</b>	Autoimmune diseases
<b>4032-ASIP</b>	Autophagy, mechanisms and the role in diseases
<b>4013-ASIP</b>	Biobanking Informatics
<b>4011-ASIP</b>	BIOBANKING/BIOREPOSITORIES
<b>4005-ASIP</b>	BIOINFORMATICS AND IMAGING
<b>4008-ASIP</b>	Bioinformatics for diseases
<b>4002-ASIP</b>	Biolongevity
<b>4135-ASIP</b>	Biomarkers
<b>4016-ASIP</b>	Biospecimen/biomarker science
<b>4137-ASIP</b>	Breast cancer
<b>4138-ASIP</b>	Cancer biology
<b>4134-ASIP</b>	Cancer stem cells
<b>4064-ASIP</b>	Cardiac hypertrophy/heart failure
<b>4066-ASIP</b>	Cardiac metabolism in health and disease
<b>4062-ASIP</b>	CARDIAC PATHOLOGY
<b>4023-ASIP</b>	CELL ADHESION and CELL SIGNALING
<b>4030-ASIP</b>	CELL DEATH, TISSUE INJURY AND REPAIR
<b>4001-ASIP</b>	Cell senescence
<b>4024-ASIP</b>	Cell surface receptors and signaling pathways
<b>4124-ASIP</b>	Cell therapy
<b>4037-ASIP</b>	Cellular responses to shear stress, stretch, and mechanical injury
<b>4025-ASIP</b>	Chemokines and cytokines
<b>4139-ASIP</b>	Colon cancer
<b>4007-ASIP</b>	Computational biology
<b>4097-ASIP</b>	Demyelinating diseases
<b>4098-ASIP</b>	Developmental and other pediatric neuropathology
<b>4133-ASIP</b>	Developmental pathways in cancer
<b>4114-ASIP</b>	Diabetes
<b>4129-ASIP</b>	Dietary and environmental factors in cancer
<b>4099-ASIP</b>	Disease of peripheral nerve and skeletal muscle
<b>4115-ASIP</b>	Endocrine/GU/gynecologic pathology
<b>4151-ASIP</b>	Endothelial function and response to injury
<b>4058-ASIP</b>	Endothelial-microbial interactions
<b>4041-ASIP</b>	Environmental pathology and toxicology
<b>4130-ASIP</b>	Epigenetics of cancer
<b>4146-ASIP</b>	Epigenomics
<b>4048-ASIP</b>	Epithelial to mesenchymal transition
<b>4035-ASIP</b>	ER stress in cell death and survival
<b>4042-ASIP</b>	Exogenous pathogen-associated molecular patterns (PAMPs), endogenous danger-associated molecular

	patterns (DAMPs), and their role in local tissue response
<b>4027-ASIP</b>	Extracellular matrix – proteases and remodeling
<b>4028-ASIP</b>	Extracellular matrix and cell adhesion
<b>4152-ASIP</b>	Extracellular matrix and proteases in vascular biology
<b>4026-ASIP</b>	EXTRACELLULAR MATRIX IN PATHOBIOLOGY
<b>4029-ASIP</b>	Extracellular matrix, integrins and cell signaling pathways
<b>4020-ASIP</b>	Gene expression studies
<b>4123-ASIP</b>	Gene therapy
<b>4065-ASIP</b>	Genetic basis of cardiac disease and development
<b>4017-ASIP</b>	GENETIC DISEASES AND GENE EXPRESSION
<b>4131-ASIP</b>	Genetics of cancer
<b>4006-ASIP</b>	Genome bioinformatics
<b>4145-ASIP</b>	Genomics
<b>4153-ASIP</b>	Genomics/proteomics in vascular biology and pathology
<b>4040-ASIP</b>	Heat shock proteins in disease
<b>4116-ASIP</b>	Hematopathology
<b>4154-ASIP</b>	Hemostasis
<b>4075-ASIP</b>	Hepatitis, liver fibrosis and cirrhosis
<b>4009-ASIP</b>	Imaging Informatics
<b>4155-ASIP</b>	Immune system in vascular disease(s)
<b>4100-ASIP</b>	Infectious diseases/neuroinflammation
<b>4049-ASIP</b>	INFLAMMATION and IMMUNOPATHOLOGY
<b>4057-ASIP</b>	Inflammation and inflammatory mediators
<b>4061-ASIP</b>	Inflammation, infection and chronic fatigue/pain syndromes
<b>4053-ASIP</b>	Innate immunity
<b>4054-ASIP</b>	Innate immunity, TLRs, and pathogen recognition receptors
<b>4039-ASIP</b>	Ischemia/reperfusion injury
<b>4068-ASIP</b>	Ischemic heart disease and cardiac ischemia reperfusion injury
<b>4014-ASIP</b>	Legal and ethical challenges in biobanking
<b>4056-ASIP</b>	Leukocyte-endothelial cell interactions
<b>4156-ASIP</b>	Lipid mediators and lipoproteins
<b>4076-ASIP</b>	Liver development
<b>4078-ASIP</b>	Liver growth and regeneration
<b>4074-ASIP</b>	Liver injury
<b>4080-ASIP</b>	Liver metabolism in health and disease
<b>4072-ASIP</b>	LIVER PATHOLOGY
<b>4079-ASIP</b>	Liver tissue engineering and transplantation
<b>4084-ASIP</b>	Lung – acute lung injury
<b>4085-ASIP</b>	Lung – cancer
<b>4092-ASIP</b>	Lung – environmental diseases
<b>4086-ASIP</b>	Lung – infections
<b>4087-ASIP</b>	Lung – inflammatory, immunologic and fibrosing lung diseases (non-infectious)
<b>4088-ASIP</b>	Lung – normal development and developmental diseases
<b>4089-ASIP</b>	Lung – obstructive airway diseases
<b>4090-ASIP</b>	Lung – pulmonary vascular biology and disorders
<b>4082-ASIP</b>	LUNG PATHOLOGY
<b>4136-ASIP</b>	Lymphomas/leukemias
<b>4108-ASIP</b>	Macrophage/microglia
<b>4157-ASIP</b>	Mechano-sensing and signal transduction in the vessel wall
<b>4052-ASIP</b>	Microbial pathogenesis
<b>4046-ASIP</b>	Microbiota and systemic disease
<b>4019-ASIP</b>	miRNA expression in health and disease
<b>4109-ASIP</b>	MISCELLANEOUS NON-NEOPLASTIC TISSUE and ORGAN PATHOBIOLOGY
<b>4119-ASIP</b>	Miscellaneous tissue and organ pathology
<b>4070-ASIP</b>	Mitochondrial function in the heart
<b>4038-ASIP</b>	Mitochondrial responses to cellular injury

<b>4113-ASIP</b>	Molecular and bio-markers in non-neoplastic diseases
<b>4110-ASIP</b>	Molecular pathogenesis of genetic disease
<b>4111-ASIP</b>	Molecular pathogenesis of infectious disease
<b>4142-ASIP</b>	Molecular targeting for cancer therapeutics
<b>4044-ASIP</b>	Mucosal inflammation and inflammatory mediators
<b>4043-ASIP</b>	MUCOSAL INFLAMMATION, EPITHELIAL-LEUKOCYTE INTERACTIONS AND EPITHELIAL PATHOBIOLOGY
<b>4045-ASIP</b>	Mucosal-microbial interactions
<b>4128-ASIP</b>	NEOPLASIA
<b>4101-ASIP</b>	Neurodegenerative diseases – frontotemporal and Lewy body disorders
<b>4102-ASIP</b>	Neurodegenerative diseases – other
<b>4103-ASIP</b>	Neuronal neurogenesis, regeneration, injury and repair; trauma
<b>4094-ASIP</b>	NEUROPATHOLOGY
<b>4158-ASIP</b>	Neurovascular connections/interactions
<b>4125-ASIP</b>	New technologies for research and diagnosis
<b>4003-ASIP</b>	Novel genetic and molecular markers of biolongevity
<b>4004-ASIP</b>	Novel targets in mitochondrial diseases
<b>4022-ASIP</b>	Organismal phenotypes of gene alterations
<b>4034-ASIP</b>	Oxidant, genotoxic, metabolic and other types of stress
<b>4000-ASIP</b>	PATHOBIOLOGY of AGING
<b>4067-ASIP</b>	Pathophysiology of cardiac valve diseases
<b>4015-ASIP</b>	Patient advocacy in biobanking
<b>4093-ASIP</b>	Pleural diseases
<b>4140-ASIP</b>	Prostate cancer
<b>4021-ASIP</b>	Protein translation in disease
<b>4126-ASIP</b>	Proteomics
<b>4091-ASIP</b>	Pulmonary stem cells, repair, and regeneration
<b>4012-ASIP</b>	QA and QC in repositories
<b>4159-ASIP</b>	Regulation of endothelial junctions
<b>4047-ASIP</b>	Regulation of the epithelial barrier and intercellular junctions
<b>4117-ASIP</b>	Renal pathology
<b>4036-ASIP</b>	Role of MMPs, TIMPs, and ECM repair in wound healing
<b>4059-ASIP</b>	Sepsis and endotoxin
<b>4081-ASIP</b>	Signaling in liver health and disease
<b>4118-ASIP</b>	Skeletal and bone pathology
<b>4127-ASIP</b>	SNPs and genotyping
<b>4077-ASIP</b>	Stem cells and cancer
<b>4112-ASIP</b>	Stem cells: biology, development and applied
<b>4071-ASIP</b>	Stem/progenitor cells in cardiac pathology
<b>4160-ASIP</b>	Stem/progenitor cells in vascular biology
<b>4104-ASIP</b>	Stroke/vascular diseases
<b>4161-ASIP</b>	Thrombosis and platelets
<b>4055-ASIP</b>	TLRs, pathogen recognition receptors
<b>4105-ASIP</b>	Toxic/metabolic diseases
<b>4121-ASIP</b>	Toxicologic pathology
<b>4018-ASIP</b>	Transcription factors in pathobiology
<b>4122-ASIP</b>	TRANSLATIONAL RESEARCH
<b>4060-ASIP</b>	Transplantation
<b>4143-ASIP</b>	Tumor angiogenesis
<b>4144-ASIP</b>	Tumor immunology
<b>4106-ASIP</b>	Tumors – glial
<b>4107-ASIP</b>	Tumors – nonglial
<b>4033-ASIP</b>	Ubiquitin proteasome system and ubiquitin-like proteins (SUMO, Nedd, others) in disease
<b>4147-ASIP</b>	VASCULAR BIOLOGY AND PATHOLOGY
<b>4162-ASIP</b>	Vascular calcification
<b>4163-ASIP</b>	Vascular cell biology and dysfunction in disease

<b>4164-ASIP</b>	Vascular disease and genetic disorders
<b>4165-ASIP</b>	Vascular signal transduction
<b>4166-ASIP</b>	Vascular tissue engineering
<b>4167-ASIP</b>	Vasoactive molecules
<b>4120-ASIP</b>	Veterinary pathology