

TOPIC CATEGORIES -- PATHOLOGY

4001-ASIP	PATHOBIOLOGY of AGING	4055-ASIP	LIVER PATHOLOGY
4002-ASIP	Age-associated disorders	4056-ASIP	Liver development
4003-ASIP	Aging and cancer	4057-ASIP	Liver stem cells - adult and cancer
4004-ASIP	Aging and vascular disease	4058-ASIP	Liver cancer
4005-ASIP	Aging and neuropathology	4059-ASIP	Liver growth and regeneration
4006-ASIP	Mechanisms of aging	4060-ASIP	Hepatitis
4007-ASIP	Regulation of aging	4061-ASIP	Liver fibrosis and cirrhosis
4008-ASIP	Genetics of aging	4062-ASIP	Liver tissue engineering and transplantation
4009-ASIP	Animal models of aging	4063-ASIP	Metabolic disorders of liver
		4064-ASIP	Animal models of liver disease
4010-ASIP	CELL ADHESION and CELL SIGNALING	4065-ASIP	LUNG PATHOLOGY
4011-ASIP	Biomechanical signaling	4066-ASIP	Lung - cilia, mucus, and clearance
4012-ASIP	Cell adhesion molecules	4067-ASIP	Lung - normal development and developmental diseases
4013-ASIP	Cell signaling pathways		
4014-ASIP	Cell surface receptors	4068-ASIP	Lung - acute lung injury
4015-ASIP	Nuclear receptors	4069-ASIP	Lung - infections
4016-ASIP	Regulation of transcription	4070-ASIP	Lung - obstructive airway diseases
4017-ASIP	Signaling via growth factors, chemokine and cytokine receptors	4071-ASIP	Lung - other inflammatory processes
4018-ASIP	Cell- and tissue-specific gene expression	4072-ASIP	Lung - airways and epithelium
4019-ASIP	Redox signaling	4073-ASIP	Lung - repair
4020-ASIP	Integrins and associated proteins	4074-ASIP	Lung - vascular processes
		4075-ASIP	Lung - environmental injury
4021-ASIP	CELL INJURY and TISSUE REPAIR	4076-ASIP	Lung - cancer
4022-ASIP	Apoptosis	4077-ASIP	Pleural pathology
4023-ASIP	Calcification		
4024-ASIP	Environmental pathology	4078-ASIP	NEUROPATHOLOGY
4025-ASIP	Environmental toxicology	4079-ASIP	Neural stem cells
4026-ASIP	Extracellular matrix and cell adhesion	4080-ASIP	Neurodegenerative diseases
4027-ASIP	Free radical/oxidant injury	4081-ASIP	Regeneration of neurological tissues
4028-ASIP	Healing/regeneration	4082-ASIP	Neuropathology - brain tumors
4029-ASIP	Inflammatory injury	4083-ASIP	Molecular pathogenesis of neurologic diseases
4030-ASIP	Ischemia/reperfusion injury	4084-ASIP	Neurodevelopment
4031-ASIP	Proteases and their inhibitors	4085-ASIP	Neuronal injury and repair
4006-ASIP	Mechanisms of aging	4086-ASIP	Immune/inflammatory mechanisms of neurological diseases
4032-ASIP	Mitochondrial mechanisms of cell death		
		4087-ASIP	Disease of peripheral nerve
4033-ASIP	EPITHELIAL CELL BIOLOGY and PATHOBIOLOGY	4088-ASIP	Disease of skeletal muscle
4034-ASIP	Epithelial barrier function: regulation	4089-ASIP	Stroke
4035-ASIP	Epithelial barrier function: intercellular junction structure/function	4090-ASIP	Neuropathology - cancer
4036-ASIP	Epithelial barrier function: inflammation/infection and the epithelial barrier		
4037-ASIP	Epithelial inflammation: leukocyte-epithelial interactions	4091-ASIP	STEM CELLS
4038-ASIP	Epithelial inflammation: cytokines, chemokines and lipid mediators	4092-ASIP	Characterization of stem cells
4039-ASIP	Epithelia and microbes: host-microbial interactions	4093-ASIP	Applications of stem cells
4040-ASIP	Epithelia and microbes: antimicrobial actions of epithelia	4094-ASIP	Controversies in stem cell biology
4041-ASIP	Epithelial - mesenchymal transformation and cancer		
		4095-ASIP	INFLAMMATION and IMMUNOPATHOLOGY
4042-ASIP	EXTRACELLULAR MATRIX IN PATHOBIOLOGY	4096-ASIP	Viral diseases
4026-ASIP	Extracellular matrix and cell adhesion	4097-ASIP	Allergic diseases
4043-ASIP	Extracellular matrix and cell signaling pathways	4098-ASIP	Autoimmune diseases
4044-ASIP	Extracellular matrix - proteases and remodeling	4099-ASIP	Lymphoid organogenesis
4045-ASIP	Extracellular matrix - cancer invasion and metastasis	4100-ASIP	Cancer of lymphoid tissues
		4101-ASIP	Autoimmunity
4046-ASIP	TISSUE and ORGAN PATHOBIOLOGY	4102-ASIP	Chemokines and cytokines
4047-ASIP	Animal models of tissue and organ pathobiology	4103-ASIP	Endotoxins
4048-ASIP	Cardiac pathology	4104-ASIP	HIV
4049-ASIP	Diabetes	4105-ASIP	Infectious diseases
4050-ASIP	Endocrine/GU/Gynecologic pathology	4106-ASIP	Innate immunity
4051-ASIP	Hematopathology	4107-ASIP	Leukocyte-endothelial cell interactions
4052-ASIP	Renal pathology	4108-ASIP	Mediators of inflammation
4053-ASIP	Skeletal and bone pathology	4109-ASIP	Microbial pathogenesis
4054-ASIP	Human disease	4110-ASIP	Nitric oxide synthase
		4111-ASIP	The inflammatory response
		4112-ASIP	The immune response
		4113-ASIP	Transplantation
		4114-ASIP	MOLECULAR and BIO-MARKERS OF DISEASE
		4115-ASIP	Carcinogenesis - molecular markers of malignant phenotypes
		4116-ASIP	Genomic approaches to disease markers
		4117-ASIP	Inherited diseases

4118-ASIP **MOLECULAR PATHOLOGY –
TRANSLATIONAL RESEARCH**
4119-ASIP Gene therapy
4120-ASIP Viral mechanisms of oncogenesis
4121-ASIP Pharmacogenomics of human cancers
4122-ASIP New technologies for research and diagnostics
4123-ASIP Proteomics
4124-ASIP Molecular pathogenesis of genetic disease
4125-ASIP Molecular pathogenesis of infectious disease

4126-ASIP **NEOPLASIA**
4127-ASIP Epigenetic mechanisms of carcinogenesis
4128-ASIP Mechanisms of genetic instability in neoplasia
4129-ASIP Dietary and environmental factors in cancer
4130-ASIP Infectious agents in carcinogenesis
4131-ASIP DNA damage and repair
4132-ASIP Tumor biology
4133-ASIP Gene expression in neoplasia
4134-ASIP Proteomics and neoplasia
4135-ASIP Tissue arrays and neoplasia
4136-ASIP Signal transduction in neoplasia
4137-ASIP Growth factors and cytokines in neoplasia
4138-ASIP Tumor immunology
4139-ASIP Tumor angiogenesis
4140-ASIP Cancer invasion and metastasis
4141-ASIP Molecular targeting for cancer therapeutics
4142-ASIP Animal models of neoplasia
4143-ASIP Biomarkers of neoplasia
4144-ASIP Premalignancy and tumor progression
4058-ASIP Liver cancer
4076-ASIP Lung - cancer
4090-ASIP Neuropathology - cancer

4145-ASIP **VASCULAR BIOLOGY AND PATHOLOGY**
4146-ASIP Angiogenesis
4147-ASIP Animal models of vascular diseases
4148-ASIP Atherosclerosis and restenosis
4149-ASIP Estrogen and the vessel wall
4150-ASIP Extracellular matrix and vascular biology
4151-ASIP Genomics/proteomics in vascular biology and
pathology
4152-ASIP Hemostasis
4153-ASIP Hypertension/endothelial-dependent responses
4154-ASIP Lipids and lipoproteins
4155-ASIP Lipid mediators and signaling
4156-ASIP Platelets and thrombosis
4157-ASIP Proteases in vascular biology
4158-ASIP Smooth muscle cell biology
4159-ASIP Stem cells in vascular biology
4160-ASIP Tissue engineering
4161-ASIP Vasoactive molecules
4162-ASIP Vascular biology of eNOS
4163-ASIP Vascular calcification
4164-ASIP Blood Vessel Club

4165-ASIP **INFORMATICS**

4166-ASIP **REPOSITORIES**