

## Scientific Sessions Abstract Categories

Visit [scientificsessions.org](http://scientificsessions.org) to submit your abstract.

### Basic Science

#### Arteriosclerosis, Thrombosis and Vascular Biology

01	Lipids, Lipid Mediators, and Lipoprotein Metabolism: Cellular and Animal	ATVB
02	Vascular Development, Differentiation, and Regeneration	ATVB
03	Mechanisms of Atherosclerosis	ATVB
04	Endothelium, Vascular Tone and Nitric Oxide	ATVB
05	Proliferation, Remodeling, Extracellular Matrix	ATVB
06	Stem/Progenitor Cells	ATVB
07	Angiogenesis and Arteriogenesis	ATVB
08	Microcirculation and Cerebral/Coronary/Peripheral Circulation	ATVB
24	Hemostasis, Thrombosis and Fibrinolysis	ATVB
25	Inflammation and Adhesion Molecules	ATVB

#### Cardiac Development, Structure and Function

09	Cardiac Development	BCVS
10	Cardiac Regeneration/Cellular Therapy - Experimental	BCVS
11	Myocardial Structure and Pathology	BCVS
12	Ventricular Function/Mechanics	BCVS
13	Protection of Ischemic Myocardium	BCVS

#### Cellular Biology

20	Cardiac Failure and Remodeling	BCVS
21	Apoptosis, Necrosis, and Autophagy	BCVS
22	Ligand-Mediated Signaling and Receptor Pharmacology	BCVS

#### Drug Discovery

117	Drug Discovery for Heart Failure	BCVS
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#### Genetics and Genomics

14	Gene Expression/Molecular Biology	BCVS
15	Functional Genomics, Transcriptomics, Proteomics and Metabolomics of Cardiovascular Disease	GPM
16	Genetic Epidemiology, Genomics and Pharmacogenomics of Cardiovascular Disease	GPM

#### Metabolism and Physiology

17	Myocardial Energetics/Intermediary Metabolism	BCVS
18	Cardiorenal Physiology/Pathophysiology	KCVD
19	Experimental Ischemic Injury, Oxidative Stress, and Redox Signaling	ATVB

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### Signaling

23	Cell, Tissue Engineering, and Gene Based Therapies	CVSA
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### Clinical Science

#### Acute Coronary Syndromes

26	Unstable Angina, NSTEMI and STEMI: Diagnosis and Pathophysiology	CLCD
27	Unstable Angina, NSTEMI and STEMI: Prognosis and Pharmacologic Therapy	CLCD
28	Chronic Ischemic Heart Disease	CLCD
29	Case Studies	CLCD
30	Biomarkers	BCVS

#### Congenital Heart Disease and Pediatric Cardiology

95	Pediatric Congenital and Acquired Heart Disease	CVDY
96	Pediatric Imaging	CVDY
97	Pediatric Electrophysiology, Epidemiology and Prevention	CVDY
98	Pediatric Cardiac Surgery	CVDY
99	Adult Congenital Heart Disease	CVDY
100	Pediatric Heart Failure/Transplantation	CVDY

#### Electrophysiology and Arrhythmias

31	Ion Channels and Membrane Transporters	BCVS
32	Cellular Electrophysiology and Excitation-contraction Coupling	BCVS
33	Arrhythmias in Experimental Models	BCVS
34	Arrhythmia: Clinical Electrophysiology Diagnosis	CLCD
34.1	Arrhythmia: Clinical Electrophysiology Risk Stratification	CLCD
35	Treatment of Arrhythmias: Pharmacologic	CLCD
36	Treatment of Arrhythmias: Ablation	CLCD
37	Treatment of Arrhythmias: ICD/Pacemaker – excluding CRT	CLCD

#### Heart Failure and Cardiomyopathies

48	Heart Failure: Pathophysiology & Diagnosis	CLCD
49	Heart Failure: Pharmacologic Therapy	CLCD
50	Heart Failure: Pacing and Other Therapeutic Devices	CLCD
51	Heart Failure: Disease Management	CLCD
51.2	Heart Failure: Quality of Care, and Clinical Outcomes	CLCD
52	Medical Aspects End Stage Heart Failure: Transplantation and Device Therapies	CLCD
53	Molecular Basis of Hypertrophy	BCVS

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54	Ventricular Function/Hemodynamics and Biomarkers	CLCD
55	Myocardial (including Hypertrophy)/Pericardial Disease	CLCD
56	Valvular Heart Disease: Diagnosis, Pathophysiology and Medical Management	CLCD
118	Palliative and End of Life Care	CLCD
119	Transitions of Care Specific to Heart Failure	CLCD

### Hypertension and Nephrology

57	Hypertension: Experimental	HTN
58	Hypertension: Clinical	HTN
59	Autonomic, Reflex, and Neurohumoral Control of Circulation	BCVS

### Imaging and Nuclear Medicine

60	Echocardiography: Evaluation of Systolic and Diastolic Function	CLCD
61	Echocardiography: Emerging/New technologies including 3-D Echo, Myocardial Strain/Imaging, Contrast and Multi-modality/Fusion imaging	CLCD
62	Echocardiography/Imaging in Structural Heart Disease and Interventions	CLCD
63	Echocardiography in Clinical Syndromes: CAD, Stress Echo, Endocarditis, Stroke, Arrhythmias, Systemic Disease	CLCD
64	Nuclear Cardiology: Isotope Imaging and PET	CLCD
65	Computed Tomography (CT): Coronary Artery	CVRI
66	Computed Tomography (CT): Heart (Coronary and Non-coronary)	CVRI
67	Magnetic Resonance Imaging (MRI): Heart	CVRI
68	Non-Coronary Vascular Imaging (CT/MRI/Other)	CVRI
69	Catheter-Based Coronary Imaging and Hemodynamics	CLCD

### Interventional Treatments

38	Pharmacology for ACS and PCI	CLCD
39	Catheter-Based Coronary Interventions: Stents – Clinical Use	CLCD
40	Catheter-Based Coronary Interventions: Experimental & New Technology	CLCD
41	Endovascular Therapy	PVD
42	Percutaneous Non-Coronary Cardiac Intervention (including Percutaneous Valves)	CLCD

### Nursing Research and Clinical (includes rehabilitation)

92	Prevention, Education, and Disease Management	CVSN
93	Psychosocial and Behavioral Aspects	CVSN
94	Physiologic Aspects of Acute and Chronic Care	CVSN

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### Pulmonary Hypertension & Critical Care

70	Pulmonary Circulation, Respiratory Processes, and Lung Injury	3CPR
72	Pulmonary Hypertension	3CPR
116	Right Ventricular Failure, Signaling Physiology and HFpEF	3CPR

### Stroke and Neuroscience

74	Cerebrovascular Disease/Stroke (Basic & Clinical)	Stroke
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### Surgery and Anesthesia

43	Thoracic Aortic Disease	CVSA
44	Surgical Revascularization for Ischemic Heart Disease	CVSA
45	Myocardial Protection, Intraoperative Management, and Postoperative Critical Care	CVSA
46	Surgical Therapy for Valvular Heart Disease	CVSA
47	Surgical Treatment of Heart Failure, Transplantation, and Arrhythmias	CVSA

### Vascular Disease and Thrombosis

71	Vascular Medicine (non-coronary): Clinical Science	PVD
73	Vascular Medicine (non-coronary): Venous and Lymphatic Disease	PVD

## Population Science

### Cardiometabolic Health and Diabetes

77	Obesity and Weight Loss in CVD Risk and Prevention	Lifestyle
78	Diabetes Mellitus and CVD: Prevention and Management	Lifestyle

### Epidemiology, Big Data and Precision Medicine

88	Cardio Oncology	EPI
89	Reaching the AHA 2020 Goals: Strategies for Success	EPI
90	Preventive Interventions: Population and Clinical Trials	EPI
91	Epidemiology and Population Studies	EPI
103	Clinical and Hospital-Based Observational Studies	EPI

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### Health Tech

102	Emerging Technologies Examples include: Novel clinical technologies including digital health, new informatics, new devices, innovative imaging methods, and new biomarkers. Novel basic science technologies including innovative drug screens, new animal models of cardiovascular diseases and stroke, Telemedicine, new methods for gene manipulation/bioinformatics and pathway analysis.	QCOR
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### Lifestyle & Behavioral Medicine

80	Nutrition in CVD Risk and Prevention	Lifestyle
81	Exercise, Physical Activity and Rehabilitation	Lifestyle
82	Clinical Risk Factors and Biomarkers in Risk Prediction	EPI
83	Risk Factors	CLCD
84	Lipid and Lipoprotein Metabolism: Clinical	ATVB
105	Workplace Health	Lifestyle
106	Culture of Health	Lifestyle

### Prevention Health and Wellness (includes Dyslipidemia and Treatments and Nutrition)

75	Stress Testing Exercise and Pharmacologic (includes Sports Cardiology)	CLCD
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### Quality of Care

85	Quality of Care, Outcomes Research and Health Policy	QCOR
86	Patient Centered Outcomes Research	QCOR
87	Acute and Chronic Coronary Artery Disease: Quality Care and Outcomes	QCOR
104	Clinical Trial Design and Research Methodology	QCOR
123	Social Determinants of Health	QCOR

### Go Red for Women (GFRW) and Special Population (includes Gerontology)

120	Women's Health and Sex Differences	CLCD
121	Aging and Care of the Elderly	CLCD
122	Health Disparities	CLCD