

DISCIPLINE

clinical
experimental

OBJECT OF STUDY

blood
heart
regulatory system
vasculature

LEVEL

cellular
multicellular
organ
organism
subcellular

EXPERTISE

biochemistry
circulatory physiology
electrophysiology
general physiology
molecular biology
pathophysiology
pharmacology
physics

ALPHABETICAL

ablation
ACE inhibitors
acetylcholine
acidosis
adenosine
adrenergic (ant)agonists
aging
anesthesia
angiogenesis
angiography
angioplasty / coronary intervention
angiotensin
antiarrhythmic agents
anticoagulants
antihypertensive / diuretic agents
apoptosis
arrhythmia (mechanisms)
arteries
atherosclerosis
atrial function
autonomic nervous system
AV-node

baroreflex
blood flow
blood pressure
bradycardia

Ca-channel
Ca-pump
calcium (cellular)
calpain
capillaries
capillary permeability
cardiomyopathy
cardioplegia
cardiovascular surgery
caveolae
cell communication
cell culture / isolation
cell differentiation
cell swelling
cell therapy
cerebrovascular disorders
cholesterol
chronotropic agents
Cl-channel
collateral circulation
complement activation
computer modeling
conduction (block)
conduction system
congenital defects
connective tissue

connexins
contractile apparatus
contractile function
coronary circulation
coronary disease
cyclooxygenase
cytokines
cytoskeleton

defibrillation
developmental biology
diabetes

e-c coupling
ECG
echocardiography
edema (oedema)
electron microscopy
endothelial factors
endothelial function
endothelial receptors
endothelins
endotoxins
energy metabolism
enzyme (kinetics)
epidemiology
estrogens (oestrogens)
extracellular matrix

fibrosis

G-proteins
gap junctions
gender
gene array analysis
gene expression
gene polymorphisms
gene therapy
gene transfer
glycolysis
glycoproteins
growth factors

heart failure
heart rate (variability)
hemodynamics
hemostasis
hibernation
histo(patho)logy
hormones
hypertension
hypertrophy
hypoxia / anoxia
hypoxia inducible factor (HIF)

immunology
impulse formation
infarction
infection / inflammation
innervation
inotropic agents
insulin
insulin resistance
interleukins
interstitial space
intra / extracellular ions
ion channels
ion exchangers
ion pumps
ion transport
ischemia

K-ATP channel
K-channel

leukocytes
lipid metabolism
lipid signaling
lipoproteins
long QT syndrome

macrophages

MAP kinase
mapping
matrix metalloproteinases
mechanotransduction
membrane currents
membrane permeability / physics
membrane potential
membrane transport
microcirculation
mitochondria
monoclonal antibodies
muscarinic (ant)agonists
myocarditis
myocytes

Na / Ca-exchanger
Na / H-exchanger
Na / K-pump
Na-channel
NADPH oxidase
natriuretic peptide
necrosis
neurotransmitters
nitric oxide
NMR

oxidative phosphorylation
oxygen consumption
oxygen radicals

pharmacokinetics
phospholipases
phospholipids
peptide hormones
platelets
preconditioning
prostaglandins
proteases
protein kinases
protein glycase A
protein kinase C
protein kinase G
protein phosphatases
protein phosphorylation
proteomics
pulmonary circulation
Purkinje fiber

QT-dispersion

receptors
redox signaling
regional blood flow
remodeling
renal function
renin angiotensin system
reoxygenation
reperfusion
repolarization
restenosis

sarcolemma
second messengers
sepsis
septic shock
sequence (DNA / RNA / protein)
serotonin (5HT)
shock
signal transduction
single channel currents
sinus node
smooth muscle
SR (function)
statins
statistics
stem cells
stents
stretch / m-e coupling
stunning
sudden death
supraventricular arrhythmia

thrombolysis
thrombosis / embolism
transplantation
tissue engineering
transgenic animal models
tyrosine protein kinases

ultrasound

valve (disease)
vasoactive agents
vasoconstriction / dilation
veins
ventricular arrhythmias
ventricular function
viral diseases