O1- Clinical profile of untreated, undertreated and resistant hypertension in the Spanish population aged 60 years and over

O2- Advanced glycation end-products as predictors of follow-up death and reinfarction after an acute coronary syndrome in non-diabetic patients

O3- Von Hippel-Lindau deletion in Wt1+ epicardial progenitors causes cardiac hypertrophy, fibrosis and abnormal coronary vessel development

O4- RCAN1 is an essential mediator of atherosclerosis progression
**Poster communications**/Comunicaciones en forma de panel

**Poster session I**/ Sesión de paneles I  
**Biomarkers and mechanisms of vascular damage**/Biomarcadores y mecanismos de daño vascular

**P1**- HuR mediate the sinergistic effects of Angiotensin II and interleukin 1β on vascular COX-2 expression and cell migration

**P2**- Esmolol improves coronary artery remodeling in spontaneously hypertensive rats through increased nitric oxide bioavailability and superoxide dismutase activity

**P3**- Reactive oxygen species and prostanoids mediate aldosterone production from adipocytes in hypertension

**P4**- Role of COX-2/mPGES-1/EP1 axis on vascular remodeling in hypertension

**P5**- Comparative study of isolation conditions for endothelial progenitor cells from peripheral blood samples

**P6**- The C-terminal module of connective tissue growth factor regulates the NF-κB pathway and induces vascular inflammation by activation of NADPH oxidase 1

**P7**- Effects of high altitude intermittent hypoxia on the cardio-pulmonary circulation in humans and rats. Possible role for oxidative stress

**P8**- Effects of aging on the response of renal arteries to endothelin-1

**P9**- Metabolic Syndrome, Damage Index (SLICC/ACR) and Endothelial Progenitor Cells (EPC) are Associated with Subclinical Atherosclerosis in Systemic Lupus Erythematosus (SLE)

**P10**- Atherosclerotic surrogate markers in adults with Down Syndrome; a case-control study

**P11**- Mimicking in vivo vascular and arterial flow cell rolling, adhesion and migration assays; application in atherosclerosis

**P12**- A plasma oxidative stress global index in early stages of chronic venous insufficiency

**P13**- The activation of TLR4 by Angiotensin II contributes to Hypertension and Vascular Dysfunction through Reactive Oxygen Species Production

**P14**- Modifications on the neuronal control of mesenteric vascular tone in offspring of diabetic rats: mechanisms involved

**P15**- Proteinuria and serum vitamin e correlate with pulse wave velocity (pwv) in diabetic non-dialysis chronic kidney disease (ckd) patients
P16- Therapeutic inhibition of HSP90 in a mouse model of diabetic atherosclerosis and nephropathy

P17- Classical monocytes express high levels of CxCl16 in hemodialysis patients

P18- Vascular consequences of obesity: the role of leptin

P19- Expression of SDF1 on the functionality of endothelial progenitor cells in mononuclear cells of patients undergoing cardiac surgery

P20- Galectin-3, a biomarker linking oxidative stress and inflammation with the clinical outcomes of patients with atherothrombosis

P21- Antiproliferative and vasodilator effects of drugs with potential interest in the treatment of pulmonary arterial hypertension

P22- Cyclooxygenase 2 derived reactive oxygen species are involved in endothelial dysfunction of intrarenal arteries in obesity-associated insulin resistance

P23- Peptide-based modulation of NF-κB in a mouse model of diabetes-accelerated atherosclerosis

P24- Soluble Endoglin as marker of vascular anomalies in pediatric population

P25- Acute lung injury induced by lipopolysaccharide: role of the acid sphingomyelinase and IL-6

P26- Cot/tpl2 modulates monocytosis in atherogenesis

P27- Immunochemical expression of molecules implicated in intimal fibrosis of varicose veins

P28- Expression of smooth muscle actin and desmin of thoracic aorta change in elderly rats

P29- Perinatal oxidative status in the offspring from rats submitted to undernutrition in pregnancy

P30- The adipokine dipeptidyl peptidase-4 impairs microvascular endothelium-dependent relaxation by endothelium-derived vasoconstrictor prostanoids

P31- Effect of hydrogen peroxide on store-operated channel Ca²⁺ entry in coronary arteries

P32- Aerobic exercise training increases nitrergic innervation function and decreases sympathetic innervation function in mesenteric artery from rats fed with a high fat diet

P33- The adipokine visfatin/Nampt promotes telomere damage and premature senescence in human endothelial cells

P34- The activation of the angiotensin (1-7)/Mas receptor axis protects against vascular cell inflammation
P35- Ageing induces earlier endothelial dysfunction in aorta than in small arteries in a female mouse

P36- Sex-differential estradiol-induced nitric oxide production in human endothelial cells

P37- miR-433 regulates glutathione biosynthesis by targeting γ-glutamyl cysteine ligase

P38- Role of PGC-1α in the control of endotelial function in angiogenesis

P39- Hypoxia regulates pro-metastatic Ephrin-A3 by the induction of EFNA3 long-non coding RNAs

P40- Female PSGL-1 KO mice spontaneously develop pulmonary arterial hypertension

P41- Acute hypoxia signals mediated by reactive oxygen species: superoxide caught in the act

P42- Identification of polymorphisms in hypoxia inducible transcription factor binding sites in patients with Chronic Obstructive Pulmonary Disease (COPD) and correlation with the progression of the disease

P43- The activation of PGC-1α protects the liver from IR damage
Poster session II/Sesión de paneles II
Mechanisms of cardiac damage/Mecanismos de daño cardiaco

P44- Embryonic Hypoxia and Heart Development: Role in Chamber Growth

P45- Cardiac alterations associated with obesity in rats: role of lysyl oxidase

P46- PKC inhibition results in a Kv,1.5+K,β1.3 pharmacology closer to Kv,1.5 channels

P47- Effects of e-LXA₄ on Kv and Kir recorded from bone marrow mouse macrophages

P48- New KCNQ1 mutation responsible of short QT syndrome located at the S5 segment

P49- Effects of n-3 polyunsaturated fatty acids on the function, expression and location of Kv,7.1 channels

P50- Novel insights into the regulatory mechanisms of SCN5A expression

P51- Uncoupling protein 3 protects the heart against ischemia-reperfusion injury

P52- GRK2 is a key modulator of an insulin-dependent cardioprotective pathway under insulin resistant conditions

P53- Cardiac Electrophysiology of Propylthiouracil-induced Hypothyroidism in rats

P54- Effects of age on the cardiac and coronary response to endothelin-1 in rats
**Poster session III/Sesión de paneles III**

**Clinical cardiology/Cardiología clínica**

**P55-** What About A Distinct Form Of Advanced Cardiomyopathy In Cystic Fibrosis? Does Selenium play a role?

**P56-** First-in-man experience with transendocardial injections of bone marrow-derived mesenchymal stem cells in idiopathic dilated cardiomyopathy. The MYOCYTE trial

**P57-** Decellularized human heart matrixes. First experiences after stem cell seeding and electrophysiological assessments

**P58-** Increased left atrium volume but not fibrosis predicts long-term outcome in HCM. A CMR study

**P59-** Left atrial volume determined by CMR predicts atrial fibrillation and adverse outcome in HCM patients in sinus rhythm

**P60-** PGC-1α Levels Have Predictive Value on Cardiac Healing and Left Ventricular Remodeling after ST-Segment Elevation Acute Myocardial Infarction

**P61-** Temperature effect above activity of recombinant activated factor VII for treatment of massive bleeding after cardiac surgery

**P62-** Transapical concentric double lumen cannula for continuous flow ventricular assist devices

**P63-** Cohorte de pacientes con insuficiencia cardiaca en un hospital terciario
**Poster session IV**/Sesión de paneles IV  
**Epidemiology and cardiovascular risk**/Epidemiología y riesgo cardiovascular

**P64**- Coffee consumption and 24-h blood pressure control in the older hypertensive population

**P65**- Prevalence of classic cardiovascular risk factors in adults with down’s syndrome

**P66**- Which is more prevalent in the elderly population: masked hypertension or isolated clinic hypertension?

**P67**- An indirect estimation of the prevalence of renal artery denervation candidates: are they that frequent?

**P68**- Is moderate alcohol intake, mainly from wine during meals, a habitual component of the Mediterranean diet of Spain in the XXI century?

**P69**- Anthropometric evaluation of obesity in adults with Down syndrome

**P70**- A cross-sectional study of the phenotypes of obesity and insulin resistance in adults with Down syndrome

**P71**- Care variables related to inefficient self health management in cardiovascular processes

**P72**- Individualized glycemic-target among the diabetic patients in Spain: a population-based study

**P73**- Transketolase protein expression is modulated in obesity and during lipogenesis

**P74**- Hallmarks of protein oxidative damage in obesity