

Saturday, June 18  
Red Hall 1  
18.30-21.30

## IX Workshop of the Young Investigator Initiative Group

Chairmen:

**G. Bergström** (*Göteborg, Sweden*)

**A.U. Ferrari** (*Milan, Italy*)

18.30-18.35

Opening

18.35-19.55

### **Oral Session A Metabolism; Vascular Biology**

**Evolution of insulin resistance in adolescent and young men**

F.J. Charchar (*Glasgow, UK*)

**A role for the renin-angiotensin system in a hyperinsulinemic rat model?**

M.E. Johansson (*Göteborg, Sweden*)

**Dietary oligofructose effect on cardiovascular parameters**

H. De Sousa-Lopes (*Porto, Portugal*)

**Vasorelaxant properties of 4,7-dimethyl-1,2,5-oxadiazolo[3,4-d]pyridazine 1,5,6-trioxide and dimethyl-1,2,5-oxadiazolo[3,4-d]pyridazine 1,5,6-dioxide as new activators of soluble guanylate cyclase**

V. Betin (*Moscow, Russia*)

**Chronic inhibition of inducible NO-synthase restores activity of soluble guanylate cyclase of pulmonary vessels in rats with monocrotaline-induced pulmonary hypertension**

A.P. Bonartsev (*Moscow, Russia*)

**Loss of myoendothelial bridges due to restricted window size might explain reduced EDHF function in SHR mesenteric resistance arteries**

J.M. González (*Glasgow, UK*)

**Mechanical plaque stability and metalloproteinases in apoE and LDL receptor double knockout mice**

J. Wikström (*Göteborg, Sweden*)

**Placenta growth factor expression in human atherosclerotic carotid plaques is related to plaque destabilization via inflammation**

K. Pilarczyk (*Essen, Germany*)

**Role of AT1 receptors on the increased participation of vasoconstrictor prostanoids from COX-2 in phenylephrine responses in aorta from hypertensive rats**Y. Alvarez (*Madrid, Spain*)**Ouabain induced hypertension increases vascular stiffness in mesenteric resistance arteries. Role of AT1 receptors**A.M. Briones (*Madrid, Spain*)**Role of plasma Cardiotrophin-1 as a marker of left ventricular hypertrophy in hypertensive patients**A. Gonzalez (*Pamplona, Spain*)**Different patterns of QT dispersion in hypertensive patients with different left ventricular geometry**G. Magnaghi (*Milan, Italy*)**Oral Session B  
Autonomic; Renin-Angiotensin System****Respiratory and baroreflex abnormalities in vasovagal syncope (VVS) patients**M. Cazzaniga (*Milan, Italy*)**Effects of polyunsaturated fatty acid (PUFA) supplements on arterial baroreflexes in rats with left ventricular dysfunction**F. Cesana (*Milan, Italy*)**Effects of alpha- or beta-receptor blockade on cardiac interstitium during pressure-overload hypertrophy**C. Gatti (*Pavia, Italy*)**Isoproterenol induced cardiac hypertrophy is associated with vascular dysfunction and vascular inflammation**A.P.C. Davel (*Madrid, Spain*)**Proteomic analysis in the heart of angiotensin II-infused rats**V. Esteban (*Madrid, Spain*)**Angiotensin II-mediated stimulation of apical Cl<sup>-</sup>/HCO<sub>3</sub><sup>-</sup> in immortalized SHR and WKY proximal tubular epithelial cells**R. Pedrosa (*Porto, Portugal*)**Influence of aldosterone on renal Na<sup>+</sup>-independent amino acid transporter LAT2**M.J. Pinho (*Porto, Portugal*)

Monday, June 20  
Red Hall 1  
18.30-21.30

## IX Workshop of the Young Investigator Initiative Group

Chairmen:

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**A.U. Ferrari** (*Milan, Italy*)

18.30-19.50

### **Oral Session C Endothelium; Heart**

#### **UP4A: a vasoconstrictive substance of the endothelium**

V. Jankowski (*Berlin, Germany*)

#### **iNOS-expression decreasing factor in plasma of chronic renal failure patients**

V. Jankowski (*Berlin, Germany*)

#### **Systemic administration of a targeted ENOS-expressing vector lowers systolic blood pressure in the SHRSP**

W.H. Miller (*Glasgow, UK*)

#### **Left atrial function and left ventricular phenotype in arterial hypertension: the STRONG heart study**

M. Chinali (*Naples, Italy*)

#### **Voluntary physical exercise and coronary flow velocity reserve - a transthoracic color Doppler echocardiography study in spontaneously hypertensive rats**

U. Hägg (*Göteborg, Sweden*)

#### **Cardiotrophin-1 exerts different hypertrophic effects on cardiomyocytes from normotensive and spontaneously hypertensive rats**

N. López (*Pamplona, Spain*)

#### **Increased aortic stiffness and wave reflection induce concentric left ventricular hypertrophy in hypertension**

G. Talanas (*Sassari, Italy*)

#### **Time course of interstitial fibrosis during chronic sympathectomy in experimental pressure-overload hypertrophy**

R. Tozzi (*Pavia, Italy*)

19.50-20.10

Snack Break and Poster Discussion B

**Role of aldosterone on vascular damage associated with hypertension in rats. participation of CTGF**  
M. Miana (*Madrid, Spain*)

**Control of catecholamine release from the adrenal medulla of mice by  $\alpha_2$ -adrenoceptor subtypes**  
E. Moura (*Porto, Portugal*)

**Angiotensin II regulates vascular endothelial growth factor via hypoxia inducible factor-1 $\alpha$  induction and redox mechanisms in the kidney**  
E. Sánchez-López (*Madrid, Spain*)

**Role of insulin on NADPH oxidase regulation in patients with metabolic syndrome**  
G. San José (*Pamplona, Spain*)

**Left ventricular and renal expression of natriuretic peptide receptors in a hypertensive remnant kidney rat model**  
C. Santos-Araújo (*Porto, Portugal*)

20.10-21.30

#### **Oral Session D Kidney; Genetics; Inflammation**

**Progressive increase of blood pressure in 3/4 nephrectomized rats correlates with increase in renal dopaminergic system activity throughout the first ten weeks after the surgery**  
M. Moreira-Rodriguez (*Porto, Portugal*)

**Renal fibrosis in SHR. Effect of AII and CTGF**  
D. Sanz-Rosa (*Madrid, Spain*)

**Candidate gene studies of the human GSTM gene family suggest association of GSTM4 with indices of endothelial function and hypertension status**  
N.J.R. Brain (*Glasgow, UK*)

**Gender specific left ventricular mass QTL in the Stroke-Prone Spontaneously Hypertensive Rat**  
K. Gilday (*Glasgow, UK*)

**Oxidative stress influences endothelial progenitor cell (EPC) numbers in patients with coronary artery disease (CAD)**  
D.J. McGrane (*Glasgow, UK*)

**Haplotypes of CYBA, the human p22phox gene, determine phagocytic NADPH oxidase activity in essential hypertension**  
M.U. Moreno (*Pamplona, Spain*)

**Plasma levels of soluble CD40 ligand in essential hypertension**  
C. Natal (*Pamplona, Spain*)

**Apocynin, but not tempol, attenuates the hypertension and increases vascular antioxidant defenses in rats with activation of the renin-angiotensin system**  
T. Sousa (*Porto, Portugal*)