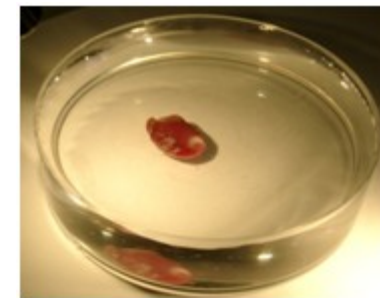




Faculty of Pharmacy, Comenius University in Bratislava
and
Slovak Pharmacological Society

Pharmacology of Heart Failure — From Bench to Bedside

05 June 2012 - 07 June 2012, Bratislava – Slovakia



Tuesday, 05 June 2012, 14:00 – 17:30
(Auditorium maximum, 2nd floor, Šafárikovo nám. 6)

Welcome: Karol Mičieta (*Rector of University*) and Jan Kyselovič (*Dean of Faculty*)

Session 1

Chairs: Wilhelm Schmitz (*Münster, Germany*), Balwant S. Tuana (*Ottawa, Canada*) and Marek Máťuš (*Bratislava, Slovakia*)

TUANA BS: Transcription Factors and Dilated Cardiomyopathy

PECHÁŇOVÁ O: Heart remodelling in experimental hypertension: Effect of nuclear factor kappa B inhibition

MÁŤUŠ M: TRPC channels in cardiac hypertrophy

RAVINGEROVÁ T: Risk factors of cardiovascular diseases related to modern lifestyle interfere with innate myocardial protection against ischemia

MOLČAN Ľ: Increased response of the cardiovascular system to norepinephrine challenge in rats exposed to irregular lighting conditions

DÓKA G: Cardiac response to testosterone doping and increased physical activity in rats

NEMČEKOVÁ V: Impending cardiac tamponade (Case report)

Plenary lecture

Chairs: Eva Goncalvesová (*Bratislava, Slovak Republic*) and Jan Kyselovič (*Bratislava, Slovak Republic*)

SCHMITZ W: CREB/CREM transcription factors in heart failure and arrhythmias

Wednesday, 06 June 2012, 09:00 – 12:30
(Čitáreň, 1st floor, Ul. odbojárov 10)

Session 2

Chairs: Robert H Henning (*Groningen, The Netherlands*), Steffen-Sebastian Bolz (*Toronto, Canada*) and Peter Křenek (*Bratislava, Slovakia*)

HENNING RH: Cellular changes in myocytes during atrial fibrillation as an example of processes that drive remodeling in the heart

BOLZ SS: New concepts for the microvascular effects of heart failure

KŘENEK P: Nitric oxide-dependent changes of cardiac function in isoproterenol-induced heart failure

SPRUŠANSKÝ O: Telomere maintenance

STAHLLOVÁ K: Uses of stem cells in therapy of cardiovascular diseases

MENŠÍKOVÁ L: Pharmacological alteration of stem cells

PIVÁČKOVÁ L: Activation of hepatocyte growth factor pathway by prolonged isoproterenol stimulation is associated with increased levels of resident cardiac stem cell marker MDR-1 in rat left ventricle

DÓKA Gabriel: Human end-stage heart failure - clinical molecular pathology of the myosin heavy chain isoforms in spotlight

POTÚČEK P: Chronopharmacology – treatment targeted in time

Wednesday, 06 June 2012, 14:00 – 17:30
(Čitáreň, 1st floor, Ul. odbojárov 10)

Session 3

Chairs: Péter Ferdinandy (*Budapest, Hungary*), Donald Maurice (*Kingston, Canada*) and Adriana Adameová (*Bratislava, Slovakia*)

FERDINANDY P: Effect of metabolic diseases on endogenous cardioprotection and cardioprotective signaling

MAURICE D: Targeting phosphodiesterases in vascular biology

ADAMEOVÁ A: CaMKII as a therapeutic target for arrhythmias, and structural heart disease

RAJTÍK T: Pleiotropic effects of simvastatin are associated with mitigation of apoptotic component of cell death upon lethal myocardial reperfusion-induced Indry

ČARNICKÁ S: Lipid-independent cardioprotective effects of hypolipidemic drug WY 14643 on ischemia/reperfusion injury in the rat heart: Involvement of PI3K/Akt and ROS

LEDVÉNYIOVÁ V: Influence of maturation on resistance to acute ischemic injury in Langendorff-perfused female rat hearts

ŠOLTÉSOVÁ D: Circadian rhythms in clock gene expression in the heart and kidney of rats with streptozotocin induced diabetes

BROSKOVÁ Z: Effect of natural substances - arbutin, curcumin, rosmarinic acid and extract of *Mentha x villosa* on the isolated rat heart and blood vessels

MLYNÁROVÁ J: Expression of genes contributing to cardiac hypertrophy in epicardial and subcutaneous adipose tissue

Thursday, 07 June 2012, 09:30 – 11:00
(Čitáreň, 1st floor, Ul. odbojárov 10)

Session 4

Summary and take home messages