



SEMINAR FOR YOUNG RESEARCHERS

„The physiology, pathophysiology and pharmacology of the cardiovascular system”

Project code: Hungary-Romania Cross-Border Co-operation Programme 2007-2013 (www.huro-cbc.eu),

Project title: Development of the infrastructure for a pole of excellency in cardiovascular research - HURO/0802/011_AF HURO-CARDIO-POL

Location: University of Szeged, Faculty of Medicine, Department of Pharmacology & Pharmacotherapy, Library and PhD Students Information Hall (6721 Szeged Dóm tér 12.)

Time: Monday, 17th December, 2012

Scientific programme

13:15–13:30 Registration

I. session. Chairs: Prof. Dr. Ágnes Végh and Dr. Ovidiu Firă Mlădinescu

13:30–13:45 Prof. Dr. András Varró. Welcome address and presentation of the HU-RO Cardiopol project

13:45–14:00 Zoltán Husti. The significance of the I_{K1} current in the repolarization reserve in conscious dog and anaesthetised dog rabbit proarrhythmic models
University of Szeged

14:00–14:15 Viktor Juhász. The effect of C1 rezervatrol analogue in conscious atrial fibrillation dog model
University of Szeged

14:15–14:30 Anita Kormos. Partial NCX blockade has protective effect against sodium induced Ca^{2+} overload and simulated ischaemia induced injuries in dog ventricular myocardium

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University of Szeged

- 14:30–14:45 Oana Duicu. Ageing associated decrease in cardiac mitochondria functions in healthy rats
University of Medicine and Pharmacy Timișoara
- 14:45–15:00 Nikolett Morvay. Effects of a polyunsaturated fatty acid-rich diet on heart failure after myocardial infarction in rats; echocardiographic measurements
University of Szeged
- 15:00–15:15 Judit Szepesi. Effect of NCX and NHE inhibition on acute ischaemia/reperfusion rat models
University of Szeged
- 15:15–15:30 Coffee break

II. session. Chairs: Prof. Dr. István Leprán and Prof Dr. Danina Muntean

- 15:30–15:45 László Juhász. The effect of ischaemic precondition on NOS activity in smooth muscle during ischaemia/reperfusion in anaesthetised dog
University of Szeged
- 15:45–16:00 Gábor Kisvári. The effect of acute simvastatin treatment on the ischaemia/ reperfusion induced arrhythmias
University of Szeged
- 16:15–16:30 András Horváth. Diclofenac prolongs repolarization in ventricular muscle with impaired repolarization reserve
University of Szeged
- 16:30–16:45 Marius Badalica-Petrescu. Effects of hawthorn and blueberry extracts on ischemia/reperfusion injury in isolated rat heart
University of Medicine and Pharmacy Timișoara
- 16:45–17:00 Annamária Sarusi. The investigation of the safety and reproducibility of a novel in vitro impaired repolarization reserve based proarrhythmia model
University of Szeged
- 17:00–17:15 Corici Claudia. : L-364,373 (R-L3) enantiomers have adverse modulating effects on I_{Ks} in mammalian ventricular myocytes
University of Szeged
- 17:15–17:30 Nicoleta Mirica. Experimental models of ventricular arrhythmias and sudden cardiac death. University of Medicine and Pharmacy Timișoara