Hungary-Romania
Cross-Border Co-operation
Programme 2007-2013

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European Union
European Regional Development Fund

Seminar for Young Researchers

"HU-RO CARDIO-POL – Education Through Research"

December, 19, 2012

SCIENTIFIC PROGAMME

SESSION I – *FROM THEORY…*
CHAIRPERSONS: Dr. Norbert Jost, Dr. Danina Muntean

9:30 – 9:40	**Welcome address – Dr. Danina Muntean**
9:40 – 10:10	**Dr. Norbert Jost, University of Szeged**
	The Cardiac Action Potential: Underlying Ionic Currents
10:10 – 10:40	**Dr. Ovidiu Fira-Mladinescu, University of of Medicine and Pharmacy Timișoara**
	Mechanisms of Endothelial Dysfunction in Cardiovascular Pathology
10:40 – 11:10	**Coffee Break**
11:10 – 11:40	**Dr. András Tóth, University of Szeged**
	Regulation of Calcium Homeostasis in the Heart
11:40 – 12:10	**Dr. Dr. Danina Muntean, University of Medicine and Pharmacy Timișoara**
	Central Role of Mitochondria in Cardioprotection Against Ischemia-Reperfusion Injury
12:10 – 12:40	**Dr. Nicoleta Mirica, University of Medicine and Pharmacy Timișoara**
	Pathophysiology of Myocardial Ischemia/Reperfusion Injury
12:40 – 13:00	**Discussions**
13:00 – 15:00	**Lunch break**

SESSION II – *…TO PRACTICE*
CHAIRPERSONS: Dr. András Tóth, Dr. Ovidiu Fira-Mladinescu

15:00 – 15:30	**Dr. Norbert Jost, University of Szeged**
	Electrophysiological Techniques To Measure Cardiac Action Potential And Underlying Ion Currents
15:30 – 16:00	**Dr. Adrian Sturza, University of Medicine and Pharmacy Timișoara**
	The Isolated Vascular Rings for the Study of Experimental Endothelial Dysfunction
16:00 – 16:20	**Dr. Oana Duicu, University of Medicine and Pharmacy Timișoara**
	In vitro Studies of Mitochondrial Function: Classic vs. High-Resolution Respirometry
16:20 – 16:40	**Dr. Nicoleta Mirica, University of Medicine and Pharmacy Timișoara**
	The Global Ischemia/Reperfusion Injury Model in Isolated, Retrogradely Perfused Rat Heart (Langendorff Technique)
16:40 – 16:45	**Discussions**
16:45 – 17:00	**Coffee break**
17:00 – 18:30	**Working Meeting: Preparation of the final report of HURO-CARDIOPOL project.**

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din Timișoara

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