

# Programme

10<sup>th</sup> Symposium of Jagiellonian Medical Research Centre

June 2<sup>nd</sup> - 4<sup>th</sup>, 2002

## Pharmacological Correction of Endothelial Dysfunction



Symposium Venue:  
Nowodworski College  
12 Św. Anny Street,  
31-008 Kraków, Poland

# Programme:



## Bird's-eye view Plenary Sessions

**Sunday, June 2<sup>nd</sup>, 2002**

- 15.00 - 15.15 *Opening of the Symposium*  
*Ryszard J. Gryglewski (Poland)*  
*John C. McGiff (USA)*  
*Marek A. Zembala - Rector of Collegium Medicum*  
*Wiesław Pawlik - Dean of Medical Faculty*
- Chairman** *Ryszard J. Gryglewski (Poland)*
- 15.15 - 15.50 *John B. Yane (UK)*  
*My Life and Times with Enzymes and Mediators*
- 15.50 - 16.25 *John C. McGiff (USA)*  
*The Eicosanoid Factor: A determinant of individuality*  
*of Nephron Segments*
- 16.25 - 16.45 *coffee break*
- Chairman** *John C. McGiff (USA)*
- 16.45 - 17.25 *Louis Ignarro (USA)*  
*Nitric Oxide as a Unique Signaling Molecule*
- 17.25 - 18.00 *Roderick Flower (UK)*  
*The Lipocortin I Knockout Mouse: What It Tells us*  
*About the Inflammatory Response*
- 18.00 *Get Together Party Nowodworski College Courtyard*

**Endothelium and Blood Cells**

- Chairmen** Aleksandr Lutsyk (*Ukraine*) and Leszek Ceremnyński (*Poland*)
- 8.30 - 8.55 Giancarlo Folco (*Italy*)  
Transcellular Synthesis of Leukotrienes: a Unifying Inflammatory Mechanism in Cardiac and Cerebral Vasculature
- 8.55 - 9.20 Andrzej Szezeklik (*Poland*)  
Cystinyl-leukotrienes in Blood of Patients with Ischaemic Heart Disease
- 9.20 - 9.45 Markus Hecker (*Germany*)  
Decoy Oligonucleotide Attenuation of Endothelial Cell-Leukocyte Interaction - a Novel Anti-Inflammatory Therapy
- 9.45 - 10.10 Rostyslav Stučka (*Ukraine*)  
In Vitro Studies on Activation of Phagocytic Cells by Bioactive Peptides
- 10.10 - 10.35 Marek Naruszewicz (*Poland*)  
Effect of Trans Fatty Acids on Inflammatory Activation of Human Monocyte-Derived Microphages
- 10.35 - 11.00 *coffee break*

**Endothelium and Drugs (Part 1)**

- Chairmen** Giampaolo Velo (*Italy*) and Jerzy Kisielewski (*Belarus*)
- 11.00 - 11.25 Tadeusz Maliński (*USA*)  
Restoration of Dysfunctional Nitric Oxide Synthase by Statins
- 11.25 - 11.50 Ryszard J. Gryglewski (*Poland*)  
Pleiotropic Endothelial Action of Cardiovascular Drugs
- 11.50 - 12.15 Jean Pierre Dupin (*France*)  
Synthesis and Thrombolysis Activity of Pyrimidin Derivatives
- 12.15 - 12.30 Rafal Olszanecki (*Poland*)  
Flavonoids and NOS
- 12.30 - 14.00 *lunch*



## Endothelium and Drugs (Part 2)

**Chairmen** Zygmunt Muckiewiez (*Lithuania*) and Krystyna Cedro-Ceremuzynska (*Poland*)

14.00 - 14.25 Erik E. Ånggård (*England*)

Novel Bi-functional NO-Donors/SOD-Inhibitors to Treat Diseases with Endothelial Dysfunction

14.25 - 14.50 Włodzimierz Barzko (*Poland*)

Angiotensin-(1-7) - Evoked Release of Nitric Oxide and Prostacyclin in the Antithrombotic Effect of the Renin-Angiotensin System Blockers

14.50 - 15.15 Heikki Vapuroaho (*Finland*)

Cardiovascular Effects of COX Inhibition and AT<sub>1</sub> Receptor Blockade in TGR (mREN2) Rats

15.15 - 15.30 Valery I. Kozlovsky (*Belarus*)

β-Adrenergic Drugs with Endothelium-Dependent Coronary Vasodilator Action

**Chairman** Stefan Chlopicki (*Poland*)

15.30 - 17.00 Poster Session

## Tuesday, June 4<sup>th</sup>, 2002

### Circulation in the Kidney

**Chairmen** Nader Abraham (*USA*) and Sergiej M. Zimutkin (*Belarus*)

8.30 - 8.55 Michal Laninski-Schwartzman (*USA*)

Cytochrome P450 4A Isoform Expression and 20-HETE Synthesis in Renal Preglomerular Arteries

8.55 - 9.20 Alberto Nasjletti (*USA*)

Heme Oxygenase-Derived Carbon Monoxide and the Regulation of Renal Hemodynamics

9.20 - 9.45 Stefan Angielski (*Poland*)

Metabolism of Arginine in the Kidney: Bioenergetic Implications  
*coffee break*

## Endothelium: Basic Approach

- Chairmen** Jack Botting (*UK*) and Borys Zimenkovskiy (*Ukraine*)
- 10.00 - 10.25 **Keith M. Channon (*UK*)**  
Mechanisms of Superoxide Production in Human Blood Vessels;  
Relationship to Endothelial Dysfunction, Clinical and Genetic Risk Factors
- 10.25 - 10.50 **Chris Thiemermann (*UK*)**  
Ligands of Peroxisome Proliferator-Activated Receptor- $\gamma$  (PPAR- $\gamma$ )  
Reduce Ischemia-Reperfusion Injury
- 10.50 - 11.15 **Randy S. Sprague (*USA*)**  
Red Blood Cell-Derived ATP as a Regulator of Pulmonary Vascular Resistance
- 11.15 - 11.30 **Stefan Chlopicki (*Poland*)**  
Coxsack Endothelial Dysfunction in Transgenic Mice with Cardiac  $\alpha$ -Specific  
Overexpression of Activated Gq Protein
- 11.30 - 11.55 **Alexandr Soloviev (*Ukraine*)**  
Phosphatidylcholine Liposomes Restore Endothelial Function  
Damaged Resulting from  $\gamma$ -Irradiation
- 11.55 - 12.10 **Ewa Marcinkiewicz (*Poland*)**  
Drugs and  $[Ca^{2+}]_i$  in Cultured Endothelial Cells
- 12.10 - 12.25 **Wojciech Uraex (*Poland*)**  
Induction of Prostaglandin  $E_2$  Synthase (PTGS-2) in HUVEC
- 12.25 - 14.00 *lunch*

## Endothelium: Clinical Approach

- Chairmen** Regina Botting (*England*) and Miroslav Gzhegotsky (*Ukraine*)
- 14.00 - 14.25 **Michal Tendera (*Poland*)**  
Diastolic Heart Failure - Fact or Illusion?
- 14.25 - 14.50 **Paola Patrignani (*Italy*)**  
Increased Oxidative Stress And Platelet Activation In Patients  
With Hypertension And Renovascular Disease
- 14.50 - 15.15 **Gautam Chaudhuri (*USA*)**  
Endothelial Function and Dysfunction: The Estrogen Paradox
- 15.15 - 15.30 **Ryszard Korbut (*Poland*)**  
Endothelial Secretagogues and Erythrocyte Deformability
- 15.30 - 15.55 **Francesca C. Lawson (*USA*)**  
Non Steroidal Antiinflammatory Drugs - Aspirin Interaction
- Chairmen** John C. McGiff (*USA*) and Ryszard J. Gryglewski (*Poland*)
- Closing of the Symposium