LODZ PLATELET CONFERENCE
jointly with
11th Erfurt Conference on Platelets
June 25th – 28th, 2006
Lodz, Poland

Organized on behalf of the
European Platelet Group (EPG)

Technical University of Lodz (TUL)
University of Lodz (UL)
Medical University of Lodz (UMED)
Commission of Haemostasis and Thrombosis, the Committee of Pathophysiology, Polish Academy of Sciences

www.p.lodz.pl/plateletconference
Scientific Committee

Prof. Włodzimierz Buczko - Medical University of Bialystok
Prof. Czesław Cierniewski - Medical University of Lodz
Prof. Ryszard Gryglewski - Jagiellonian University Medical College
Prof. Stan Heptinstall - Medicine University Hospital Nottingham
Prof. Michał Myśliwiec - Medical University of Bialystok
Prof. Peter Spangenberg - University of Applied Sciences, Jena
Prof. Andrzej Szczeklik - Jagiellonian University Medical College
Prof. Krzysztof Warzocha - Institute of Hematology and Transfusiology, Warsaw
Prof. Marek Wojtukiewicz - Medical University of Bialystok

Organizing Committee

Bogdan Walkowiak - Chairman

Wolfgang Loesche
Urszula Kralisz
Zofia Pawłowska
Barbara Wachowicz
Cezary Watała

Witold Szymański - chief of the secretariat
Marta Kamińska - secretary
Dorota Ciepielewska - secretary
Witold Jakubowski - www page
Piotr Niedzielski - treasurer
Bogdan Kontek
Jan Szemraj
The organizers thank the following who are among those sponsoring the Conference:

**Urząd Miasta Łodzi**

**Dade Behring Diagnostics Sp z oo (Poland)**

**Dade Behring Marburg (Germany)**

**Wyeth**

**Wyeth Pharma Münster (Germany)**

**Branch of Warsaw**

**SanLab S.C.**
PROGRAMME

Sunday, June 25\textsuperscript{th}, 2006

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 – 17:00</td>
<td>Registration</td>
<td>0</td>
</tr>
<tr>
<td>18:00 – 18:10</td>
<td>Welcome Message</td>
<td>-1</td>
</tr>
<tr>
<td>18:10 – 18:55</td>
<td>Opening lecture</td>
<td>-1</td>
</tr>
<tr>
<td></td>
<td>Gustav Born (U.K.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Current questions from earlier answers</td>
<td></td>
</tr>
<tr>
<td>19:00 – 20:30</td>
<td>Welcome Reception</td>
<td>-1</td>
</tr>
</tbody>
</table>

Monday, June 26\textsuperscript{th}, 2006

Session I  
Chairmen: Giovanni De Gaetano and Cezary Watala

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 – 9:55</td>
<td>Invited lecture I</td>
<td>-1</td>
</tr>
<tr>
<td></td>
<td>Jan W Akkerman (The Netherlands)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Insulin signalling in Diabetes mellitus type 2 platelets</td>
<td></td>
</tr>
<tr>
<td>2. A.Michno, A.Szutowicz</td>
<td>The modification of blood platelet activity by acetyl-CoA and ATP/ADP in diabetic platelets (15 minutes)</td>
<td></td>
</tr>
<tr>
<td>10:25 – 10:50</td>
<td>Coffee break</td>
<td></td>
</tr>
</tbody>
</table>

Session II  
Chairmen: Maria Zellner and Peter Spangenberg

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:50 – 11:50</td>
<td>Oral presentations 3-7</td>
<td>-1</td>
</tr>
<tr>
<td>5. S.Jones, G.Graham, T.Sage, J.Gibbins</td>
<td>Peripheral tachykinins stimulate activatory signaling pathways in platelets (15 minutes)</td>
<td></td>
</tr>
<tr>
<td>6. P.Bugert, A.Schedel, P.Schloss, H.Klüter</td>
<td>The dopaminergic system of human platelets (15 minutes)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acyl derivatives of coenzyme a inhibit ADP-induced platelet function via antagonism at P2Y1 and P2Y12 receptors (15 minutes)</td>
<td></td>
</tr>
<tr>
<td>11:50 – 14:00</td>
<td>Lunch</td>
<td></td>
</tr>
</tbody>
</table>
Session III
Chairmen: Jan W. Akkerman and Czeslaw S. Cierniewski
14:00 – 14:55
Invited lecture II
Czeslaw S. Cierniewski (Poland)
Platelet microparticles and angiogenesis

14:55 – 15:50
Invited lecture III
Elizabeth Kornecki (USA)
Role for the F11 Receptor (F11R; JAM-A) in hemostasis, inflammatory thrombosis and atherosclerosis

15:50 – 16:15
Coffee break

Session IV
Chairmen: Patricia Maguire and Wolfgang Lösche
16:15 – 17:00
Oral presentations 8-10
Direct interaction of platelet derived microvesicels with Von Willebrand factor: a microscopic study (15 minutes)
Blood platelet activation in a transgenic mouse model of sickle cell disease (15 minutes)
10. M.Boncler, M.Nocuń, P.Gresner, R.Wilk, J.Rysz, C.Watala
Acetylation of platelet proteins by acetylsalicylic acid is decreased in hypercholesterolemic patients (15 minutes)

18:30 -
Conference dinner - the Biederman Palace

Tuesday, June 27th, 2006

Session V
Chairmen: Elizabeth Kornecki and Włodzimierz Buczko
9:00 - 9:55
Invited lecture IV
Giovanni de Gaetano (Italy)
Should we forget about platelets and move to leucocytes?

9:55 – 10:50
Invited lecture V
Stan Heptinstall (U.K.)
Leukocytes influence platelet aggregation more than you think

10:50 – 11:15
Coffee break

Session VI
Chairmen: Barbara Wachowicz and Peter Presek
11:15 – 13:00
Oral presentations 11-17
11. V.Oberle, R.Rüger, A. Fahr, W.Lösche
Negatively charged liposomes used for drug delivery bind to platelets and leukocytes and activate them (15 minutes)
12. S.C.Fox, J.A.May, S.Heptinstall
Quantitation of endothelial microparticles in plasma samples is impaired by chylomicrons following ingestion of a fatty meal (15 minutes)
13. M. Milovanovic, L. Kourosh, T. L. Lindahl, C. Hallert, P. Järemo
Platelet density variations in essential thrombocytopenia (15 minutes)

14. C. Watala, R. Golanski, W. Kuliczkowski, P. Gresner, J. Golanski
More on aspirin resistance: position paper of the working group on aspirin resistance. The next opening. Our proposal for a laboratory test of “aspirin resistance” (15 minutes)

15. W. Kuliczkowski, J. Golanski, R. Golanski, S. Chlopicki, J. Baraniak, C. Watala
Acetylsalicylic acid non-responsiveness after coronary artery bypass grafting surgery results in higher \( \text{TXB}_2 \) generation under shear stress conditions (15 minutes)

Inhibition of platelet aggregation by 4-methyl piperidine NONOate is mediated by plasma factors but not by cGMP (15 minutes)

17. A. Juška, I. Jardin, G. M. Salido, J. A. Rosado
Functional characteristics of two types of calcium stores and SERCAs in human platelets (15 minutes)

13:00 – 15:00
Lunch

Session VII
Chairmen: Janusz Szemraj and Marek Wojtukiewicz

15:00 – 17:00
Poster session level -1

p 01. J. Saluk-Juszczak, B. Olas, P. Nowak, B. Wachowicz
Antioxidative effects of \( \text{D-glucaro 1,4-lactone} \) against peroxynitrite-induced modifications in blood platelet

Response of blood platelets to an extract from Conyza canadensis in vitro

p 03. T. Domaniewski, A. Karp, A. Mogielnicki, E. Chabielska, W. Buczko
The effect of ACE-Is on platelet adhesion and aggregation in rats

Physical stress as a model to study variations in ADAMTS13 activity; Von Willebrand factor and platelet activation

Adenosine modified with boron cluster pharmacophore as new potent platelet inhibitors

p 06. K. Bednarska, A. Schromm, T. Cieślikowski, A. St. Świerzko, W. Kaca, Z. Sulowska
Evidence for direct regulatory interactions between lipopolysaccharide, thrombin and platelets: differential effects of LPS from Escherichia coli and Proteus mirabilis on thrombin activity and platelet activation

p 07. K. Fälker, D. Lange, P. Presek
Signaling pathways mediated by the \( P2Y12 \) ADP receptor upon thrombin stimulation in human platelets

p 08. A. Dietrich-Muszalska, B. Kontek
Generation of superoxide anion in blood platelets of patients with schizophrenia of paranoid type
Reduced platelet aggregation to ADP and ATP in patients with leucocytosis is due to enhanced rates of adenine nucleotide metabolism mediated by the NTPDase CD39

A new thrombolytic, antiplatelet agent with higher fibrin affinity – a staphylokinase variant

Ca²⁺ signalling in pregnant women with gestational diabetes mellitus

Bernard-Solulier syndrome in three siblings with a supernumerary small marker chromosome

Evaluation of increased Platelet activation and the effect of P-selectin gene (T715P) polymorphism in type 2 diabetes mellitus and obesity

Genotyping the common polymorphisms of platelet purinoreceptors. Methodological aspects

Platelet proteome profiling from dementia patients

Blood platelet proteome is changed in uremic patients

The specificity and function of the reconstituted αIIbβ3 and αvβ3 minireceptors

Thrombocompatibility of titanium oxide deposited on stainless steel by sol-gel method

Blood platelets activation by artificial surfaces

19:00 – Pub tour - pubs on Piotrkowska Street
Wednesday, June 28th, 2006

Session VIII  Chairmen: Zofia Pawlowska and Stan Heptinstall
9:00 – 9:55  Invited lecture VI  level –1
Patricia B Maguire (Ireland)
Using platelet proteomics to identify potential therapeutic targets

9:55 – 10:40  Invited lecture VII
Maria Zellner (Austria)
Biological variations and age-related changes in the platelet proteome

10:40 – 11:00  Coffee break

Session IX  Chairmen: Urszula Kralisz and Gianpiero Pescarmona
11:00 – 12:15  Oral presentations  18-22  level –1

18. GP.Pescarmona, E.De Vivo
Platelets as a diagnostic tool for evaluation of hormonal status in ageing (15 minutes)

Monitoring peri-operative haemostasis by ROTEM thromboelastometry in patients with cardiac surgery (15 minutes)

Inhibition of platelet function by aspirin or clopidogrel reduces organ injury in sepsis: first clinical and experimental data (15 minutes)

21. T.S.Charnavets, V.M.Mazhul
The role of platelets phospholipids metabolism products in the mechanisms of protease-induced platelet aggregation (15 minutes)

22. W.Kuliczkowski, I.Pawlaczyk, M.Czuba, B.Karolko, R.Gancarz
The in vitro antiplatelet effect of the extract from Conyza canadensis - preliminary report (15 minutes)

12:15 – 12:30  Closing remarks  level –1

12:30 – 14:00  Lunch
Sunday, June 25th, 2006

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 – 17:00</td>
<td>Registration</td>
<td>0</td>
</tr>
<tr>
<td>18:00 – 18:10</td>
<td>Welcome Message</td>
<td>-1</td>
</tr>
<tr>
<td>18:10 – 18:55</td>
<td>Opening lecture</td>
<td>-1</td>
</tr>
<tr>
<td></td>
<td>Gustav Born (U.K.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Current questions from earlier answers</em></td>
<td></td>
</tr>
<tr>
<td>19:00 – 20:30</td>
<td>Welcome Reception</td>
<td>-1</td>
</tr>
</tbody>
</table>