

INVITED LECTURERS:

Kyo Han Ahn, *POSTECH*, Korea

Insung S. Choi, *KAIST*, Korea

Witold Danikiewicz, *Institute of Organic Chemistry PAS*, Poland

Dorota Gryko, *Institute of Organic Chemistry PAS*, Poland

Sławomir Jarosz, *Institute of Organic Chemistry PAS*, Poland

Janusz Jurczak, *Institute of Organic Chemistry PAS*, Poland

Jong Seung Kim, *Korea University*, Korea

Lechosław Latos-Grażyński, *University of Wrocław*, Poland

Ryszard Łażny, *University of Białystok*, Poland

Chang-Hee Lee, *Kangwon National University*, Korea

Chulbom Lee, *Seoul National University*, Korea

Won Koo Lee, *Sogang University*, Korea

Bogdan Marciniak, *Adam Mickiewicz University*, Poland

Jacek Młynarski, *Jagiellonian University*, Poland

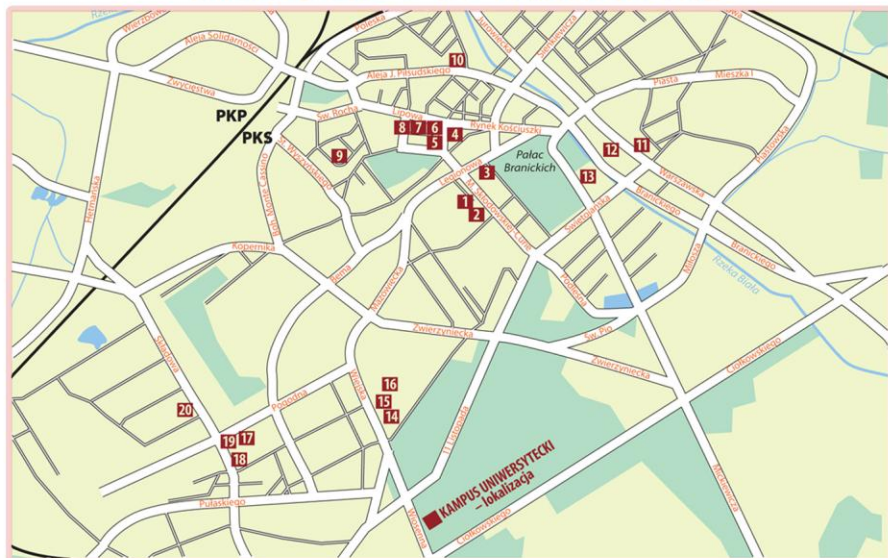
Jacek W. Morzycki, *University of Białystok*, Poland

Wonwoo Nam, *Ewha Womans University*, Korea

K. Michał Pietrusiewicz, *Maria Curie-Skłodowska University*, Poland

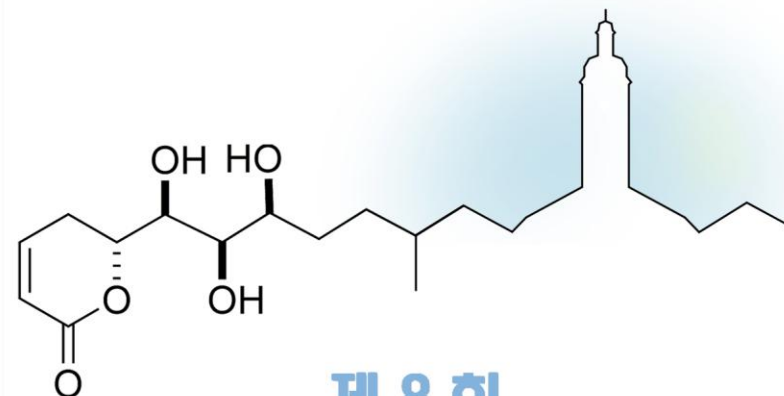
Young Key Shim, *Inje University*, Korea

UNIVERSITY OF BIAŁYSTOK



6 – Guest rooms - Orthodox Culture Centre in Białystok;
20 – Conference venue - Institute of Chemistry, University of Białystok

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제 8 회 한국-폴란드 유기화학 심포지엄

8th KOREA - POLAND JOINT SYMPOSIUM ON ORGANIC CHEMISTRY

8-9 May, 2012 - Białystok, Poland

ORGANIZERS:

INSTITUTE OF CHEMISTRY
UNIVERSITY OF BIAŁYSTOK
Professor Jacek W. Morzycki

INSTITUTE OF ORGANIC CHEMISTRY
POLISH ACADEMY OF SCIENCES
Professor Sławomir Jarosz



Organised with financial support of Podlaskie Region



Tuesday, May 8

- 8.30 – 9.15 Registration
 9.15 – 9.20 Welcoming Address
 Prof. Jacek W. Morzycki
 (The Local Organizing Committee, University of Białystok)
- 9.20 – 9.30 Opening Address
 Prof. Beata Godlewska-Żyłkiewicz (Vice-Rector for Research and International Relations, University of Białystok)
- Session I**
Chairperson: Prof. Jacek W. Morzycki (University of Białystok)
- 9.30 – 10.05 **Prof. Bogdan Marciniak** (Adam Mickiewicz University)
 Vinylmetalloids (Si, B, Ge) as metallating agents and hydrogen acceptors – application to synthesis of functional organometallics
- 10.05 – 10.40 **Prof. Chang-Hee Lee** (Kangwon National University)
 Tetrapyrrolic macrocycles as versatile receptors for various analytes
- 10.40 – 11.00 Coffee break
- Session II**
Chairperson: Prof. Insung S. Choi (KAIST)
- 11.00 – 11.35 **Prof. Lechosław Latos-Grażyński** (University of Wrocław)
 Aromaticity switching in porphyrinoids and heteroporphyrinoids
- 11.35 – 12.10 **Prof. Kyo Han Ahn** (POSTECH)
 Fluorescence sensing of precious metal species through the reaction based approach
- 12.10 – 12.45 **Prof. K. Michał Pietrusiewicz** (Maria Curie-Skłodowska University)
 Design of phosphine ligands for asymmetric hydrogenation: a need for a compromise in ligand-substrate interplay
- 12.45 – 13.45 Lunch break
- Session III**
Chairperson: Prof. Sławomir Jarosz (Institute of Organic Chemistry, PAS)
- 13.45– 14.20 **Prof. Wonwoo Nam** (Ewha Womans University)
 Biomimetic metal-oxygen intermediates in dioxygen activation chemistry
- 14.20 – 14.55 **Prof. Dorota Gryko** (Institute of Organic Chemistry, PAS)
 Modification of natural tetrapyrrole derivatives: the quest for new *NO*-independent sGC activators
- 14.55 – 15.15 Coffee break
- Session IV**
Chairperson: Prof. Wonwoo Nam (Ewha Womans University)
- 15.15 – 15.50 **Prof. Jong Seung Kim** (Korea University)
 Organ and cancer specific targeting fluorescent probe
- 15.50– 16.25 **Prof. Jacek W. Morzycki** (University of Białystok)
 New applications of olefin metathesis in the synthesis of natural products

Wednesday, May 9

- Session V**
Chairperson: Prof. Chang-Hee Lee (Kangwon National University)
- 9.30 – 10.05 **Prof. Jacek Mlynarski**
 (Jagiellonian University; Institute of Organic Chemistry, PAS)
 Organocatalytic synthesis of carbohydrates
- 10.05 – 10.40 **Prof. Won Koo Lee** (Sogang University)
 Chemistry of chiral aziridines: new C-3 chiral building blocks for stereoselective reactions
- 10.40 – 11.00 Coffee break
- Session VI**
Chairperson: Prof. Marek Chmielewski (Institute of Organic Chemistry, PAS)
- 11.00 – 11.35 **Prof. Janusz Jurczak** (Institute of Organic Chemistry, PAS)
 Neutral anion receptors effective in highly competitive solvents
- 11.35 – 12.10 **Prof. Chulbom Lee** (Seoul National University)
 Transition metal-catalyzed cyclization reactions in the synthesis of natural products
- 12.10 – 13.10 Lunch break
- Session VII**
Chairperson: Prof. Jong Seung Kim (Korea University)
- 13.10 – 13.45 **Prof. Witold Danikiewicz** (Institute of Organic Chemistry, PAS)
 Mass spectrometer as the 'all-in-one' chemical reactor and analyzer - studies on the gas-phase chemistry of aromatic carbanions
- 13.45 – 14.20 **Prof. Sławomir Jarosz** (Institute of Organic Chemistry, PAS)
 Synthesis of carbobicyclic sugar mimics
- 14.20 – 14.40 Coffee break
- Session VIII**
Chairperson: Prof. Janusz Jurczak (Institute of Organic Chemistry, PAS)
- 14.40 – 15.15 **Prof. Insung S. Choi** (KAIST)
 Artificial spores: cytocompatible encapsulation of individual living-cells
- 15.15 – 15.50 **Prof. Ryszard Łażny** (University of Białystok)
 Towards understanding green aldol reactions of bicyclic amino ketones
- 15.50 Closing of the symposium
 Prof. Krzysztof Winkler
 (Head of Institute of Chemistry, University of Białystok)