SCIENTIFIC PROGRAMME

SATURDAY, November, 29 th, 2008   Room 1,

9:40 – 9:45   Welcome

Session I.   Immunohistochemistry Standards.

Quantitative Immunohistochemistry in Clinical Expectations (part 1).

Chairpersons: **Marcial Garcia Rojo** (Spain), **Thomas Schrader** (Germany),

9:45-10:15   **Medical Informatics in Pathology - Standardization of Immunohistochemistry.**

Thomas Schrader[1], Christel Daniel[2]

[1]Dr med. Dipl.-Med.-Inf (FH). Pathologist, Computer Scientist. Leading Project Manager Resource Center OpEN.SC. Dept. Pathology, Charite, Berlin, Germany.

[2]M.D, Ph.D., MCU-PH Université René Descartes Paris, France.

10:15-10:45   **Optimizing Quality: From Biopsy to Diagnosis Via Standardization in Pathology.**

Marcio Stelato

B.S., M.B.A. Global Product Manager, Imaging Dako North America

10:45-11:15   **Quantitative Immunohistochemistry in Lung Cancer: Clinical Perspective.**

Rafal Dziadziuszko

Ph.D., M.D. Oncologist. Deputy Chair, Department of Oncology and Radiotherapy, Medical University of Gdansk, Poland.

11:15-11:30   *Coffee break*

Session II.   Quantitative Immunohistochemistry in Clinical Expectations (part 2).

Chairpersons: **Jan Breborowicz** (Poland), **Janina Slodkowska** (Poland)

11:30-12:00   **Standardization of Immunohistochemistry in Breast Carcinoma.**

Jan Breborowicz

Prof. Ph.D. Head of the Tumour Pathology Department, Wielkopolskie Center of Oncology, Poznan, Poland.

12:00-12:30   **Image Analysis in Routine Clinical Diagnostics**.

Joachim Schmid

PhD, Director Imaging & Pathology Workflow, Dako North America.

12:30–13:00   **Virtual Microscopy, Data Management and Image Analysis- A Clinical Perspective.**

Tony Bradshaw.

Applications Specialist – Europe, Aperio Techologies Inc. USA

13:00–13:10   **The Collaborative Study on Breast Carcinoma HER2/neu and Hormonal Receptors Assessed by Automated Images Analysis Systems: ACIS III (Dako) and ScanScope (Aperio).**

Janina Słodkowska[1], Violetta Filas[2], Michał Wojciechowski[3], Elżbieta Buszkiewicz[2,], Pawel Trzeciak[2], Wojciech Staniszewski[3], Jan Breborowicz[2]

[1]Department of Telepathology, Institute of Tuberculosis and Lung Diseases, Warsaw,

[2]Department of Tumour Pathology, Wielkopolskie Center of Oncology, Poznan,

[3]Precoptic, Nikon, Warsaw, POLAND.

13:10–13:45   *Lunch*

Session III.   **Image Analysis in Diagnostic Pathology**

Chairpersons: **Gloria Bueno** (Spain), **Klaus Kayser** (Germany)

13:45–14:15   **Image Processing Methods and Architectures in Histopathology.**

Gloria Bueno.

Prof. Computer Engineer. The University of Castilla-La Mancha, School of Engineering,

Ciudad Real, Spain

14:15–14:45   **AI (Artificial Intelligence) in Histopathology - from Image Analysis to Automated Diagnosis.**

Klaus Kayser[1], Milica Bogovac[1], Aleksander Bogovac[1], Jürgen Görtler[2], Gian Kayser[3]

[1]Prof. M.D, Ph.D, Ph.D, UICC-TPCC, Institute of Pathology, Charite, Berlin, Germany.

[2]Deep Computing, IBM, Amsterdam, The Netherlands.

[3]Ph.D. Pathologist. Institution of Pathology, University Freiburg, Freiburg, Germany.

14:45–15:10   **Morphometry and Image Analysis in Optical and Digital Microscopy.**

Michal Wojciechowski,

Sales General Manager, Precopic - Nikon, Poland

15:10-15:35   **Digital Images and Colorectal Cancer.**

Mohammad Ilyas

Prof. Ph.D. School of Molecular Medical Sciences, University of Nottingham, Queen`s Medical Center, Nottingham, United Kingdom

15:35-15:50   *Coffee break*

Chairpersons: **Michael Ansorge** (Switzerland), **Tomasz Zielinski** (Poland)

15:50–16:20 **Review of Different Imaging Solutions for the Integrated Quantitative IHC in Daily Practice.**

Marcial Garcia Rojo.

Ph.D., M.S. Pathologist. Computer Scientist. Coordinator of Information Systems. Hospital General de Ciudad Real. Ciudad Real. Spain

16:20–16:50 **JPEG Standards in Medical Imaging and Perspectives.**

Frederic Dufaux[1], Michael Ansorge[2], Touradj Ebrahimi[1]

[1]Multimedia Signal Processing Group, Ecole Polytechnique Federale de Lausanne, Lausanne, Switzerland

[2] College of Engineering and Architecture, University of Applied Sciences Western Switzerland – Fribourg, Fribourg, Switzerland

16:50–17:20 **The Computer System for Bronchoscopy Laboratory Integrating: the Management of the Procedures Recordings, Automatic Image-Based Data Retrieval and Joint Using Endoscopic and CT Images for Navigational Support.**

Tomasz Zielinski[1], Mariusz Duplaga[2].

[1]Prof. Department of Telecommunication, AGH Science and Technology University, Krakow,

[2]Ph.D. M.D., Collegium Medicum, Jagiellonian University, Krakow, Poland

17:20-17:35 **Computer Tool for Detection of Microcalcification in Digitized Mammograms**

Branimir Reljin[1], Zorica Milosevic[2], Tomislav Stojic[3], Irini Reljin[1],

[1]Faculty of Electrical Engineering, University of Belgrade,

[2]Radiology Department Clinical Center of Serbia, Institute for Oncology,

[3]Faculty of Mechanical Engineering, University of Belgrade, Belgrade, Serbia.

17:35–17:45 Closing remarks

SATURDAY, November, 29 th, 2008   Room 2,

MEETINGS with THE INDUSTRIAL PARTNERS

(exhibition and training)

ACIS III *(Dako, Denmark)*   **Nikon Instruments Europe**