

6TH MYELOMA WORKSHOP

**MODERN TECHNOLOGIES IN RESEARCH
OF MONOCLONAL GAMMOPATHIES**
“Flow cytometry & Genomics”

October 12th – 13th 2011

ILBIT, A3 University Campus MU Brno,
Kamenice 5/A3, Brno, Czech Republic
GPS: 49°10'37.459"N, 16°34'12.441"E



Babak Myeloma Group
Dept. of Pathological Physiology
Faculty of Medicine, Masaryk University



TOPICS:

**STANDARDIZATION AND NEW APPROACHES IN FLOW CYTOMETRY
GENOMICS USING AGILENT GENOME CGH MICROARRAY PLATFORM**

This year, two topics will be discussed in the theoretical part of the workshop: Flow cytometry, especially minimal residual disease and standardization of methods. The second part of the workshop is aimed at genomics in multiple myeloma research.

We are very excited to introduce Prof. Orfao from the University of Salamanca, Spain, and Prof. Morgan from The Royal Marsden Hospital, UK, as key speakers in this workshop. Prof. Orfao will talk about minimal residual disease in multiple myeloma. Prof. Morgan will talk about genomics in the research of multiple myeloma. We are also happy to have Dr. Ladetto from the University of Torino, Italy, and Dr. Schmitz from Aalborg Hospital Science & Innovation Center, Denmark, present their work.

In the practical part of the workshop, you will be able to practice detection of minimal residual disease by flowcytometry. Or you can attend a practical workshop aimed at aCGH in hematological malignancies as well as other diseases. This part includes methodological lectures, presentation of new-generation Agilent scanner as well as evaluation of several research samples.

Please, confirm your attendance by email to potacova@med.muni.cz (deadline September 26, 2011).

We look forward to seeing you in Brno.

With best regards,

Prof. MUDr. Roman Hájek, CSc.



INVESTMENTS IN EDUCATION DEVELOPMENT

**MODERN TECHNOLOGIES IN RESEARCH
OF MONOCLONAL GAMMOPATHIES**
“Flow cytometry & Genomics”

PROGRAM:

OCTOBER 12, 2011

**THEORETICAL PART OF WORKSHOP: STANDARDIZATION AND NEW
APPROACHES IN FLOW CYTOMETRY**

12:00 Lunch

13:20 Introduction by R. Hájek

13:30 **A. Orfao: University of Salamanca, Spain**
Flow-based minimal residual disease (MRD) testing for the management of multiple myeloma

14:00 **A. Schmitz: Aalborg Hospital Science & Innovation Center, Denmark**
Human tissue B-cell subpopulations: Identification, isolation and characterisation

14:30 **L. Říhová: Masaryk University, Czech Republic**
Monitoring of MRD in multiple myeloma - development of methodology and standardization in the Czech Republic

14:50 **I. Burešová: Imalab spol. s r.o., Czech Republic**
Selection of plasma cells in monoclonal gammopathies – progress of methodologies

15:15 Coffee break

THEORETICAL PART OF WORKSHOP: GENOMICS

15:45 **G. Morgan: Royal Marsden Hospital, United Kingdom**
From FISH to whole genomic methods in monoclonal gammopathies: Why and how?

16:15 **M. Ladetto: University of Torino, Italy**
MRD in MM: methods and clinical relevance

16:45 **J. Smetana: Masaryk University, Czech Republic**
Array-CGH in multiple myeloma research

17:05 **A. Mikulášová: Masaryk University, Czech Republic**
Array-CGH in MGUS research

19:00 Social event

**MODERN TECHNOLOGIES IN RESEARCH
OF MONOCLONAL GAMMOPATHIES**
“Flow cytometry & Genomics”

PROGRAM:

OCTOBER 13, 2011

9:00 am PRACTICAL PART OF WORKSHOP:

A: FLOWCYTOMETRY

DETECTION OF MINIMAL RESIDUAL DISEASE IN MONOCLONAL GAMMOPATHIES

**B: GENOMIC PROFILING USING AGILENT SUREPRINT CGH + SNP
MICROARRAY PLATFORM IN ROUTINE CYTOGENETIC DIAGNOSTICS**

I. Lectures:

- Y. Filaudeau:** Recent Developments of Agilent CGH + SNP Microarray Platform in the Field of Medical Genetics and Oncology
- M. Jarošová:** Prognostic significance of genomic profiles in hematological malignancies
- D. Bystřická:** Array CGH in MDS (myelodysplastic syndromes) research
- V. Vranová:** Array CGH in routine diagnostics and EQA Quality Control 2011

II. Practical part:

Genomic changes detected by array CGH in human genome - from sample preparation to data analysis