



RBSC2013

REGIONAL EUROPEAN BIOMEDICAL
LABORATORY SCIENCE CONGRESS

Under the
Patronage of



Regional European Congress of Biomedical Laboratory Science & the 4th Greek Medical Laboratory Technologists Conference "Technical Advances and Current Practices"

December, 5-7, 2013

Athens, Greece - TITANIA Hotel



Programme



WWW.EBSC2013.COM

Thursday, 5 December 2013

Round Tables, Lectures and Opening Ceremony

08:00-09:30 Opening Registration

9:30-11:30, Laboratory Animals Round Table

Using animals in Biomedical Research

Chair: Dr. Nikolaos Kostomitsopoulos

Lectures

- 09:30** **New legal framework on the use of animals in Biomedical Research,**
Dr. Chrysa Voyiatzaki, Greece
- 10:00** **Education and training guidelines for those involved in animal experimentation,**
Prof. Ismene Dontas, Greece
- 10:30** **Early recognition and classification of pain,** Irene Symeon, Greece
- 11:00** **Ethics in animal-based research,** Dr. Nikolaos Kostomitsopoulos, Greece

11:30-12:00 Coffee break

12:00-13:30, Laboratory Animals Round Table

Experimental animal models for designing human vaccines: from Edward Jenner to tomorrow's vaccines

Chair: Eleni Dotsika, DVM, PhD

Lectures

- 12:00** **Advances in antigen selection for developing effective vaccines,**
Maria Agallou, Biologist, PhD, Greece
- 12:30** **Vaccine adjuvants as tools for designing innovative vaccines,**
Olga Koutsoni, Biologist, Greece
- 13:00** **Novel particulate vaccines utilizing nanotechnology,**
Maritsa Margaroni, Biologist, MSc, Greece

13:30-14:30 Break

14.30-16:30, Microbiology Round Table

Infectious Diseases Causing Public Health Issues in Greece

Chair: Dimitris Fourkas, Prof. Joseph Papaparaskevas

Lectures

- 14:30** **HIV:** Prof. Mina Psychogiou, Greece
- 15:00** **West Nile virus disease: Surveillance data and public health measures**
Annita Vakali, MSc, Greece
- 15:30** **Malaria:** Dr. Evangelia-Theophano Piperaki MD, Greece
- 16:00** **Rabies:** George Rigakos, MD, Greece

16:30-17:00 Coffee break

17:00-19:00 Biomedical Scientist in Europe

Chair: Prof. George Karikas, Prof. Athena Mavridou, Dionysis Vourtsis

17:00 Use of Ethical Reflection Model to Develop Ethical Competence, Marie Nora Roald, Norway

17:25 Biomedical Science Education across Europe – enhancing the Profession, changing the Laboratory's, Fernando Mendes, EPBS General Secretary, Portugal

17:45 The role of Biomedical Laboratory Scientists (BLS) in Greece, Dimitrios Togkas, Greece

18:00 Education of Biomedical Laboratory Technologists in Croatia, Mirjana Stupnisek, PhD, MLT, Croatia

18:20 Distinctive Professional Competencies of Biomedical Laboratory Technologist in Italy, Alba Marzo, Italy

18:35 Raising the profile of Biomedical Scientists in Europe, Marie Culliton, EPBS President of, Ireland

19:00-19:30 Coffee break

19:30-20:30 Opening Ceremony

Welcome and Opening Ceremony

Official Greetings:

President of EPBS: Marie Culliton, Ireland

General Secretary of EPBS: Fernando Mendes, Portugal

President of IFBLS: Kyoko Komatsu, Japan

President of PETIE: Dionysis Vourtsis, Greece

20:00, Opening lecture

Chair: Professor of Clinical Chemistry from University of Athens

Kinetics and genomic approaches to optimize pharmacotherapy.

The role of Biomedical Laboratory Scientist: Prof. Giorgos Karikas, Greece

Friday, 6 December 2013

Scientific Oral & Poster Abstract Presentations

HALL -A

09:00-11:00, Haematology Oral Presentations

Chair: Prof. Anastasios Kriebardis, Prof. Maria Benetikou

09:00 Informatic Crossmatch in Transfusion Medicine, Fernando Mendes, Portugal

09:20 Cytotoxic Effects of ionizing Radiation in Cancer Cell Lines of Small Cell Lung Cancer and Large Diffuse B cell Lymphoma – A Therapeutic tool, Fernando Mendes, Portugal

09:40 Erythrocyte Characteristics of Young Female Blood Donors, Vassilios Balomenos, Greece

10:00 Plasma Microparticles: A New Challenge on the Way of Centrifuging Blood in Coagulation Testing, Dimitrios Vasdekis, Greece

Haematology Lecture

10:30 Differential count. “Will the choice of method for making a smear have any influence on the DIFF result? Morphology, how to maintain the competence?”,
Tone Nygard Wedø, Norway

11:00-11:30 Coffee break

HALL -A

11:30-12:30 Informatics/ Education/Clinical chemistry Oral Presentations

Chair: Mirjana Stupnisek PhD, Prof. Petros Karkalousos

11:30 Informatics Procedure in Laboratory Management: Implementation of an Online Course to Maintain Expertise, Cesare Duranti, Italy

11:45 Predictors of Success for MLS Students, Vicki Freeman, USA

12:00 Comparative Study of Serum CA 19-9 and CEA Levels, Measured by Two Immunometric Assays (ELISA and FIA) in Different Diagnosis of Malignant Pathologies,
Ridvana Mediu, Albania

12:15 Prevalence of Anti-Insulin, Anti-IA2, Anti-GAD, Anti-IR Auto-antibodies and Anti-Neu5Gc Antibodies in Diabetic Type I And II Patients, Phaedra Eleftheriou, Greece

HALL -A

12:30-14:00, Laboratory Haematology Round Table

Modern laboratory investigation of Acute Myeloid Leukemia

Chair: George Androutsos, Efi Pavlou

12:30 Cytomorphology and cytochemistry in Acute Myeloid Leukemia,
Eirini Kritikou-Griva, PhD, MD, Greece

13:00 Flow cytometry in diagnosis and minimal residual disease assessment in Acute Myeloid Leukemia, Dr. Giorgos Paterakis, PhD, MD, Greece

13:30 The genetic background of Acute Myeloid Leukemia, Papadimitriou SI, MD, Greece

14:00-15:00 Break

HALL -A

15:00-16:00 Blood Banks Lectures Round Table

Recent data on Blood Safety. Storage and viruses

Chair: Prof. Anastasios Kriebardis, Dr. Marianna H. Antonelou

Lectures

- 15:00 Red blood cell storage: the Integrated Omics perspective,**
Dr. Angelo D' Alessandro, Italy
- 15:20 Emerging viral infections: A potential threat for blood safety,**
Dr. Mary Adamopoulou, Greece
- 15:40 Recent findings in HIV Cure research towards. HIV/AIDS pandemic evolution,**
Dr. Apostolos Beloukas, UK

HALL -A

16:00-17:30, Doping control Round Table

Procedures for a valid and useful result

Chair: Georgios Mavrotas

Lectures:

- 16:00 Doping control Test Distribution Planning:** Efstathios Cookeas, Greece
- 16:20 The sample collection process in Doping Controls:** Nikolaos Bournousouzis, Greece
- 16:40 Recent Advances in Doping Analysis:** Dr. Manolis Lyris, Greece
- 17:00 Doping control Results Management:** Efstathios Cookeas, Greece

17:30-18:30 Coffee break

HALL A

18:30-20:00, Applied Microscopy Techniques Round Table

Chair: Dr. Dimosthenis Stamopoulos

- 18:30 Biopsy of peripheral blood smears with advanced microscopes: focusing on the anemia observed in hemodialysis patients,** E. Manios, Greece
- 18:50 Evaluation of Protein and Cell Arrays Created on Micro- or Nanostructured Substrates by Fluorescence Microscopy,** Panagiota Petrou, Greece
- 19:10 Cytogenetics in patients with de novo and secondary acute myeloid leukemia,** Kalliopi Manola, Greece
- 19:30 Optical Tweezers: A Promising Tool in Cell Biomechanics and Biomedical Research,** Eirini Spyratou, Greece

Friday, 6 December 2013

HALL-B

8:30-11:00 Microbiology/Cytology/Immunology Oral Presentations

Chair: Prof. Loukia Zerva, Dr. Aikaterini Karagiorgou

- 08:30 Development of a Nanoscale Optical Fiber Biosensor Assay for Rapid Detection of Infectious Agents,** Thomas Inzana, USA
- 08:50 Levels of Enzyme Activity of Blood Serum for the Ability to Destroy Peptidoglycan in Patients with Purulent-inflammatory Diseases,** Victorya Zemko, Belarus
- 09:10 Identification of Proteins from Bacteria of Unknown Genome Sequences,** Medicharla V. Jagannadham, India
- 09:30 Laboratory diagnosis of Blood and Tissue Parasitic Infections – Do we still need Microscopy?** Mirjana Stupnisek, PhD, MLT, Croatia
- 09:50 Attitudes, Knowledge and Perceptions of the HPV Vaccine in Greek Adolescent Girls and Their Mothers: A Pilot Study,** P. Gioldasi, Greece
- 10:10 Cytological samples are important for early detection of Malignant Mesothelioma,** Kyoko Komatsu, PhD, Japan
- 10:30 Levels of IgM natural autoantibodies against actin and fetuin detected in sera of patients with cancer,** Diogena Prifti, Greece.

11:00 - 11:30 Coffee break

HALL -B

11:30-13:30 Molecular Biology Oral Presentations

Chair: Prof. Phaedra Eleutheriou, Dr. Evangelos Bozas

- 11:30 Prevalence of ARG72PRO Polymorphism of Tumor Suppressor Gene P53 in a Random sample of General population,** Prof. Androniki Papoutsis, Greece
- 11:50 Polymorphism 4G/5G of Plasminogen Activator Inhibitor-1 (PAI-1) Gene in general population Sample of Northern Greece,** Prof. Androniki Papoutsis, Greece
- 12:10 Distribution of Insertion/Deletion Polymorphism of Angiotensin I converting Enzyme Gene (ACE I/D) in Health Greek Population,** Prof. Androniki Papoutsis, Greece

Molecular Biology lectures

- 12:30 Real time-PCR molecular technique and diagnostic applications,** Petros Papalexis, MSc, Greece
- 12:50 Humans, C. elegans and DNA: a worm's tale,** Dr. Thomais Kakouli-Duarte, Ireland

Saturday, 7 December 2013

Round Tables, Oral & Poster Abstract Presentations and Closing Ceremony

9:00-11:30, Oral abstract presentations of the 4th Panhellenic Medical Laboratory Technologists Conference

Chair: Prof. Christina Foutzoula, Prof. Nikolaos Thalassinos, Prof. Eleni Vagdatli

09:00 **Επεξεργασία σκελετικού μυός**, Σπύρος Καλαντζάκης

09:15 **Επιπλασμός της μετάλλαξης A1298C του γονιδίου της 5,10-μεθυλενο-τετραυδροφυλλικής αναγωγάσης (MTHFR) σε νεαρά άτομα με ιστορικό συγγενούς θρομβοφιλίας**, Ανδρονίκη Παπουτσή, Νικολέττα Άντου, Α. Καλιφατίδου, Α. Παντελιός, Γεωργία Κιουμουρτζή, Ανδρέας Πεχλιβάνης, Μαρία Κουτσουνίδα, Μαγδαληνή Παπαγρηγορίου, Ελένη Βαγδατλή.

09:30 **Εθνικό πρόγραμμα ελέγχου νεογνών (Ε.Π.Ε.Ν.): επιδημιολογική διερεύνηση ενζυμικών τύπων γαλακτοζαιμίας 2006-2012**, Δημήτριος Βασιλάκος, Μαρία Καλογεράκου, Μαρία Γουναροπούλου, Βασιλική Γκιώνη, Κλεοπάτρα Σούλπη

09:45 **Η επίδραση της χρήσης χλωρίου στην απολύμανση έτοιμων προς κατανάλωση τροφίμων**, Παναγιώτης Πίτσος, Αθηνά Μαυρίδου, Αγγελική Μπίρμπα, Απόστολος Βανταράκης

10:00 **Εργασιακά ατυχήματα που καταλήγουν σε λοίμωξη σε νοσοκομεία της Ελλάδας αστικού συγκροτήματος μεσαίας δυναμικότητας**, Κωνσταντίνος Δαβράδος, Γεωργία Κιουμουρτζή, Νικολέττα Αντού, Αλέξανδρος Παντελιός, Μαγδαληνή Παπαγρηγορίου

10:15 **Κρούσματα ηπατίτιδας C και B κατά τα έτη 1998 – 2011 στην Ελλάδα**, Δημήτριος Βασδέκης, Μαρία Χατζηδημητρίου, Πέτρος Παπαλέξης, Παναγιώτα Δημητριάδου, Μαρία Τσιλιγγίρη, Στέλλα Μακρή, Στέλλα Μήτκα

10:40 **Διαχείριση αποβλήτων σε τριτοβάθμια υγειονομική μονάδα**, Δημήτρης Φούρκας, Δημήτρης Τόγκας

11:00 **Βιολογικοί κίνδυνοι και επίπεδο ανοσοπροφύλαξης των εργαζομένων σε οδοντοτεχνικά εργαστήρια**. Α. Κουτσοπόδης, Β. Δρακόπουλος, Α. Καλογέρης, Κ. Χερίδης, Π. Παπαλέξης, Χ. Σκανδάλη, Π. Δρόσος, Θ. Κωνσταντινίδης

11:30-12:30 Coffee break

12:30-14:00, Cytology Round Table

The role of cytotechnologist in the modern cytopathology laboratory

Chair: Prof. Petros Karakitsos

12:30 **Role of technologists in flow cytometric analysis**

Dr. Aris Spathis, University General Hospital "ATTIKON", Greece

13:00 **Molecular biology techniques in a modern Cytology Lab**

Dr. Christine Kottaridi, University General Hospital "ATTIKON", Greece

13:30 **The role of technologists in quality assessment and assurance schemes of a Cytopathology Lab**

Stella Kazika, University General Hospital "ATTIKON", Greece

14:00-15:15, Medical Analyzers and Informatics Round Table

The state of the art in Clinical Laboratory and the upcoming technological Trends and Challenges

Chair: Spyros Matsagos, MSc, Greece

- 14:00** An overview of crucial functional components of modern Clinical Chemistry automated analyzers, Dr. Aris Tzavaras, Greece
- 14:25** Laboratory Information Management Systems (LIMS) as an essential component of contemporary Health-care, Maria Botsivaly, BSc, MSc, Greece
- 14:50** Tomorrow's IVD Technology as reflected on relevant Patent-Documents: Concerned about the future? Prof. Basilis Spyropoulos, Greece

9:00-15:00, Laboratory Tour and Museum Visit: The tour concerns the participants from other countries and it is free of charge. It is mandatory to declare your participation to the secretary of the conference.

Programme

9:30-12:00 Central laboratories of Bioiatriki group (Ampelokipi – Athens)

9:30 – 10:15 Short Lecture about the Health Services in Greece, presentation of “Bioiatriki group” by its authorities (Mr. Lapatatzidis).

10:15- 12:00 Visit to the main spots and working places of the central laboratories. The participants will be divided in small groups and they will visit different laboratories (in rotation) accompanied by authorized personnel.

12:30-14:30 Byzantine and Christian museum (Centrum – Athens)

We will visit the permanent and occasionally exhibitions of the museum.

15:30 Closing Ceremony