International School of Precision Medicine and Laboratory Medicine

Directors: Prof. Marcello Ciaccio, Prof. Francesco Salvatore

3th Course CLINICAL LABORATORY MEDICINE IN THE THIRD MILLENNIUM: CHALLENGES AND OPPORTUNITIES

Directors of the Course:
Prof. Marcello Ciaccio, Prof. Mario Plebani, Prof. Francesco Salvatore



PURPOSE OF THE COURSE

Laboratory Medicine has a pivotal role in Clinical Medicine, from screening to diagnosis, prognosis, monitoring, and guiding and monitoring therapy. It is a constantly evolving branch of Medicine and technology represents the common thread. Significant progress has been achieved in the last decades, which has revolutionized the aims of Laboratory Medicine, switching from a specimencentered to a patient-centered vision, paving the way toward Precision and Personalized Medicine.

The purpose of the Course is to discuss the critical role of Clinical Laboratory Medicine in the Third Millennium by underlying challenges and opportunities. The main topics of the Course are health and pathological aging, artificial intelligence, and harmonization., which represent essential issues in the Medicine of the third millennium.

SCIENTIFIC COMMITTEE

Giuseppe Banfi Marcello Ciaccio Mario Plebani Francesco Salvatore

SCIENTIFIC SECRETARY

Luisa Agnello Federica Di Maggio Martina Montagnana

ORGANIZING COMMITTEE

Anna Maria Ciaccio Caterina Maria Gambino Rosaria Vincenza Giglio Concetta Scazzone























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Paolo Villari (Rome)

Eustachio Vitullo (Matera)

Martina Zaninotto (Padua)

14:00	Opening remarks
	Welcome address by Authorities and Academicians
14:30	Keynote Lecture Cholangiocytes, liver stem cells, cholangiopathies and cholangiocarcinoma: from bench to bedside Eugenio Gaudio (Rome) Chair: Francesco Salvatore (Naples)
	The landscape of aging Chair: Francesco Salvatore (Naples), Antonio Russo (Palermo)
15:15	New challenges of Laboratory Medicine due to population aging Daniela Capello (Novara)
15:35	Age-related changes in laboratory test results Martina Montagnana (Padua)
15:55	Preventing a chronic inflammatory disease against progressive aging: the model of rheumatoid arthritis Piero Ruscitti (L'Aquila)
16:15	Discussion
16:30	Coffee Break
16:45	Round Table The future of Clinical Laboratory Medicine in the healthcare and clinical research of the third millennium: promoting integrative diagnostics Discussant: Marina Turco Partecipant: Giuseppe Castaldo, Marcello Ciaccio, Carlo Della Rocca, Silvio Garattini, Giuseppe Lippi, Massimo Midiri, Teresa Palamara, Mario Plebani, Claudio Ronco, Antonio Russo, Francesco Salvatore, Paolo Villari

PROGRAMME | 16 December

	Artificial Intelligence in the Clinical Laboratory: regulation and application Chair: Anna Carobene (Milan), Giuseppe Banfi (Milan)
18:00	Laboratory medicine and artificial intelligence: is it Wéijī? Francesco Curcio (Udine)
18:20	Artificial Intelligence and Machine Learning in laboratory medicine: state of the art and applications Fabio Del Ben (Aviano)
18:40	Artificial intelligence in healthcare: a critical analysis of the legal and ethical implications Alice Pisapia (Varese)
19:00	Discussion

Keynote Lecture
Prevention is revolution Silvio Garattini (Milan) Chair: Marcello Ciaccio (Palermo)
Critical role of Laboratory Medicine in high-incidence diseases Chair: Vincenzo De Laurenzi (Chieti), Maria Grazia Perilli (L'Aquila)
AKI diagnosis: from clinical to molecular approach Claudio Ronco (Padua)
The importance of screening for thrombophilia Paolo Simioni (Padua)
Antibodies for the screening of type I diabetes and celiac disease: preliminary data of the project The D1Ce Screen Project – ISS Damiana Pieragostino (Chieti)
The role of Laboratory in the Monkeypox Virus Infection Giuseppe Lippi (Verona)
Discussion
Keynote Lecture Active ageing: the role played by primary prevention as a sustainablity system Francesco Vaia (Rome) Chair: Francesco Salvatore (Naples)
The link between research and Laboratory Medicine Chair: Giuseppe Banfi (Milan), Eustachio Vitullo (Matera)
Nanotechnology in diagnosis: progress, challenges, and opportunities Miriam Colombo (Milan)
In vitro produced platelets: towards diagnostic and clinical use Alessandra Balduini (Padua)
Intrinsic limitation of the cut-off values for vitamin D: metabolic approaches for a functional assessment Giovanni Lombardi (Milan)
Discussion
Lunch

	Keynote Lecture
14:30	A «small» revolution in Medicine: from the causes of Aging to Personalized Earlier Prevention Francesco Salvatore (Naples) Chair: Mario Plebani (Padua)
	Harmonization in Clinical Laboratory Medicine: current and future strategies Chair: Tommaso Trenti (Modena), Antonio Fortunato (Ascoli Piceno)
15:15	Harmonization in laboratory medicine: more than clinical chemistry? Mario Plebani (Padua)
15:35	Promoting clinical and laboratory interaction by harmonization Laura Sciacovelli (Padua)
15:55	An overview of harmonization activities in Europe Martina Zaninotto (Padua)
16:15	Discussion
16:30	Closing remarks and end of the Course

INFORMATIONI GENERALI

CONGRESS VENUE

ETTORE MAJORANA FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE Via Guarnotta, 26 91016 ERICE (Sicily) – Italy

REGISTRATION

Registration is free and includes admission to scientific sessions, conference materials, coffee breaks and certificate of attendance.

Hotel Accommodation: for further information, please write to convegni@biomedia.net

CONTINUING MEDICAL EDUCATION

Provider: BIOMEDIA - N. 148

N. ECM: 432139

Professional Category: Health care professional, Biologist, Chemist, Medical Doctor, Surgeon, Biomedical Laboratory Technician.

Hours of training: 11

Credits: 7,7

In order to obtain credits, participants must attend the full educational programme (90% of the meeting) and pass the final learning test available on line on the site https://elearning.biomedia.it/

Test will be on-line from 18th december to 20th december 2024

CERTIFICATE OF ATTENDANCE

A certificate of attendance will be available online after the meeting in MyLogin area on https://elearning.biomedia.it

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