



LABORATORY OF CLINICAL MICROBIOLOGY,
VIROLOGY AND BIOEMERGENCIES

Laboratory Biosafety Training Course

9-13 November, 2015, Milan (Italy)



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LABORATORY OF CLINICAL MICROBIOLOGY,
VIROLOGY AND BIOEMERGENCIES

Who we are

CLIMVIB is a center of excellence in biomedical research with laboratories equipped with advanced technology platforms. The Laboratory can count on BSL3 and BSL 4 facilities and it is a national reference structure for emergencies in case of pandemics and bioterrorism.

Today the laboratory, thanks to the work of its team of 6 Doctors, 12 Technicians and 6 Researchers, has become a platform to discuss about new tools, new trends and new implementation opportunities on biosafety and biosecurity. The Institution continues to strive for improvements in harmonization and raising levels of biosafety and biosecurity standards and it is committed to producing accurate analysis and strategic programs on the subject. The institute's commitment to research can be appreciated by the scientific value and number of publications.

Contact Us

Luigi Sacco University Hospital is located in the northwest area of Milan, just six miles from the city center. The hospital is located near the motorway exits of A4 (Turin - Venice) and A8 (Milan - Lakes) near Certosa.

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 **Ospedale Luigi Sacco**
AZIENDA OSPEDALIERA - POLO UNIVERSITARIO

Sistema Sanitario  Regione
Lombardia



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Monday 9th November

Morning

- 08:45-09:00 Registration
- 09:00-10:00 Welcome speeches and course introduction
Maria Rita Gismondo - Head of Clinical Microbiology, Virology and Bioemergencies, L. Sacco University Hospital
- 10:00-11:00 Biological Risk
Gijsbert van Willigen - Senior advisor CBRN Safety & Security, Leiden University Medical Center
- 11:00-11:15 Break*
- 11:15-12:15 Laboratory Biorisk Management
Martien Broekhuijsen - Independent Consultant: CBRN Subject Matter Expert and Biosafety Professional
- 12:15-12:45 Q&A Session
- 12:45-14:00 Lunch*

Afternoon

- 14:00-15:00 Laboratory Biosafety
Martien Broekhuijsen - Independent Consultant: CBRN Subject Matter Expert and Biosafety Professional
- 15:00-15:30 Dual Use of Biological Materials
Gijsbert van Willigen - Senior advisor CBRN Safety & Security, Leiden University Medical Center
- 15:30-15:45 Break*
- 15:45-16:45 Laboratory Biosecurity
Martien Broekhuijsen - Independent Consultant: CBRN Subject Matter Expert and Biosafety Professional
- 16:45-17:15 Q&A Session

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Tuesday 10th November

Morning

- 8:45-9:00 Summary
- 9:00-10:00 Secondary Barriers: Facility design and construction
Antonello Fadda - Director of the Assessment and Quality of Biomedical Technology Unit, ISS
- 10:00-11:00 Primary Barriers: Laboratory Equipment
Martien Broekhuijsen - Independent Consultant: CBRN Subject Matter Expert and Biosafety Professional
- 11:00-11:15 Break*
- 11:15-12:15 Primary Barriers: Personal Protective Equipment
Martien Broekhuijsen - Independent Consultant: CBRN Subject Matter Expert and Biosafety Professional
- 12:15-12:45 Q&A Session
- 12:45-14:00 Lunch*

Afternoon

- 14:00-15:00 Good Laboratory Practices
Martien Broekhuijsen - Independent Consultant: CBRN Subject Matter Expert and Biosafety Professional
- 15:00-15:30 Laboratory Accidents
Davide Mileto - Microbiology and Virology Resident, L. Sacco University Hospital
- 15:30-15:45 Break*
- 15:45-16:45 Biohazardous Waste Management
Martien Broekhuijsen - Independent Consultant: CBRN Subject Matter Expert and Biosafety Professional
- 16:45-17:15 Q&A Session

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Wednesday 11th November

Morning

- 8:45-9:00 Summary
- 9:00-10:00 Legislation, regulations, standards and guidelines
Martien Broekhuijsen - Independent Consultant: CBRN Subject Matter Expert and Biosafety Professional
- 10:00-11:00 Accreditation and certification
Martien Broekhuijsen - Independent Consultant: CBRN Subject Matter Expert and Biosafety Professional
- 11:00-11:15 Break*
- 11:15-11:45 Q&A Session
- 11:45-12:45 Visit to Infectious Diseases Department - High Biocontainment facilities
Davide Mileto - Microbiology and Virology Resident, L. Sacco University Hospital
Alessandro Mancon - Microbiology and Virology Resident, L. Sacco University Hospital
- 12:45-14:00 *Lunch*

Afternoon

- 14:00-14:30 Introduction to BSL2 and Corelab visit
Cristina Pagani - Microbiology and Virology Resident, L. Sacco University Hospital
- 14:30-15:30 BSL2 visit
Cristina Pagani - Microbiology and Virology Resident, L. Sacco University Hospital
- 15:30-15:45 Break*
- 15:45-16:45 Corelab visit
Cristina Pagani - Microbiology and Virology Resident, L. Sacco University Hospital
- 16:45-17:15 Q&A Session

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Thursday 12th November

Morning

- 8:45-9:00 Summary
- 9:00-10:00 BSL3 – Agents
Sara Rimoldi - Head of Bacteriology and Hospital-Acquired Infections, L. Sacco University Hospital
- 10:00-11:00 BSL3 - Specificities
Alessandro Mancon - Microbiology and Virology Resident, L. Sacco University Hospital
- 11:00-11:15 Break*
- 11:15-12:15 Sacco BSL3 (introduction to visit)
Alessandro Mancon - Microbiology and Virology Resident, L. Sacco University Hospital
- 12:15-12:45 Q&A Session
- 12:45-14:00 Lunch*

Afternoon

- 14:00-15:45 BSL3 visit
Davide Mileto - Microbiology and Virology Resident, L. Sacco University Hospital
Alessandro Mancon - Microbiology and Virology Resident, L. Sacco University Hospital
- 15:30-15:45 Break*
- 15:45-16:45 BSL3 visit
Davide Mileto - Microbiology and Virology Resident, L. Sacco University Hospital
Alessandro Mancon - Microbiology and Virology Resident, L. Sacco University Hospital
- 16:45-17:15 Q&A Session

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Friday 13th November

Morning

- 8:45-9:00 Summary
- 9:00-10:00 BSL4 - Agents
Romualdo Grande - Biosafety Officer, Head of Parasitology and Mycology, L. Sacco University Hospital
- 10:00-11:00 BSL4 – Specificities
Davide Mileto - Microbiology and Virology Resident, L. Sacco University Hospital
- 11:00-11:15 Break*
- 11:15-12:15 Sacco BSL4 (introduction to visit)
Davide Mileto - Microbiology and Virology Resident, L. Sacco University Hospital
- 12:15-12:45 Q&A Session
- 12:45-14:00 Lunch*

Afternoon

- 14:00-15:45 BSL4 visit
Romualdo Grande - Biosafety Officer, Head of Parasitology and Mycology, L. Sacco University Hospital
Davide Mileto - Microbiology and Virology Resident, L. Sacco University Hospital
Alessandro Mancon - Microbiology and Virology Resident, L. Sacco University Hospital
- 15:30-15:45 Break*
- 15:45-16:45 BSL4 visit
Romualdo Grande - Biosafety Officer, Head of Parasitology and Mycology, L. Sacco University Hospital
Davide Mileto - Microbiology and Virology Resident, L. Sacco University Hospital
Alessandro Mancon - Microbiology and Virology Resident, L. Sacco University Hospital
- 16:45-17:15 Q&A Session

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