

“Strengthening and creation of Research Infrastructures”  
 financed under the PNRR Mission 4, “Education and Research” - Component 2, “from research to business” -  
 Investment line 3.1, “Fund for the creation of an integrated system of research and innovation infrastructures”,  
 financed by the European Union - NextGenerationEU



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NextGenerationEU

«Pathogen Readiness Platform»  
(PRP)



**TRAINING SCHOOL - "ONE HEALTH BIOTYPER DIAGNOSTIC HELP"**

Calendar	Topics
<b>10 NOVEMBER 2024</b>	<b>ARRIVAL DAY (d0)</b>
<b>11 NOVEMBER 2024 (d1)</b>	
Chairpersons: Prof. Luigi Esposito - Prof. Nicoletta Murru	
09:00-10:30	Welcome day - Institutional greetings
10:30-10:45	Coffee Break
10:45-13:00	«MALDI-TOF mass-spectrometry technology» <b>Dr Cristiana Mirasole</b> Area Sales Manager @ Bruker Microbiology & Infection Diagnostics. Viterbo - Italy
13:00-14:30	Brunch
15:00-19:00	Practical training “Introduction to instrumentation” Supported by Bruker & DMVPA technicians (Dr Patric Leo – Dr Rosa Ambrosio)
<b>12 NOVEMBER 2024 (d2)</b>	
Chairpersons: Prof. Prof. Luisa de Martino – Alessandro Fioretti	
09:00-10:45	«How to identify similar bacteria species using mass spectrometry (Maldi Tof)» <b>Dr David Rodriguez-Temporal</b> Department of Clinical Microbiology and Infectious Diseases, Hospital General Universitario Gregorio Marañón, Madrid, Spain
11:15-13:00	«The use of MALDI-TOF Biotyper Main Spectra for library building and quality control of preserved bacterial strains» <b>Ing. Jindrich Peiren</b> Department Biochemistry and microbiology, Ghent University - Belgium
13:00-14:30	Brunch
15:00-19:00	Practical training “Sample preparation for bacteria” Supported by Bruker & DMVPA technicians (Dr Andrea Baldaccini – Dr Francesca P. Nocera)
<b>13 NOVEMBER 2024 (d3)</b>	
Chairpersons: Prof. Ana Carvajal - Prof. Carlos Venâncio	
09:00-10:45	«Quick identification by MALDI Biotyper Software» <b>Dr Francesc Marquez Garrido</b> Team Lead Application Support South Europe Microbiology & Infection Diagnostics /BMID Barcelona - Spain
11:15-13:00	«MALDI-TOF MS as a High-Throughput Dereplication and Identification Tool in the Search for Novel Bacteria» <b>Dr Anneleen Wieme</b> Department Biochemistry and microbiology, Ghent University - Belgium
13:00-14:30	Brunch
15:00-19:00	Practical training “Sample preparation for fungi” Supported by Bruker & DMVPA technicians (Dr Patric Leo – Dr Luca Borrelli)

In collaboration with “Protecting urban aquatic ecosystems to promote One Health” (WP7)



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14 NOVEMBER 2024 (d4)	
Chairpersons: Prof. Madalena Vieira Pinto - Prof. Martin Tomko	
09:00-10:45	«Biotyper philosophy»: application of the MALDI innovative technologies for the identification of pathogens responsible for diseases supported by bacteria and fungi <b>Prof. Kazuyuki Matsushita</b> Dept. Laboratory Medicine & Division of Clinical Genetics and Proteomics Chiba University Hospital - Japan
11:15-13:00	«Diagnostic innovations for the identification of potentially pathogenic fungal components» <b>Dr Nelson Mnuel Viana Silva Lima</b> CIEC   Instituto de Educação   Universidade do Minho
13:00-14:30 Brunch	
15:00-19:00	Practical training “Sample preparation for IR upgrade results” Supported by Bruker & DMVPA technicians
19:00-19:30	SOCIAL DINNER - Circolo Canottieri Napoli
15 NOV 2024 (d5)	
Chairpersons: Prof. Ana Cláudia Norte- Prof. Dirk Schmeller	
09:00-10:45	«MALDI and beyond: how Japan is preparing to tackle a future pandemic crisis» <b>Prof. Kazuyuki Matsushita</b> Dept. Laboratory Medicine & Division of Clinical Genetics and Proteomics Chiba University Hospital - Japan
11:15-13:00	«specific microbiological diagnostic in future animal husbandry systems» <b>Ana Maria Carvajal Urueña</b> Dept. of Animal Health – Veterinary Faculty University of León, Spain
13:00-14:30 Brunch	
15:00-19:00	Practical training “Round table for OneAquaHealth results comparison”
16 NOVEMBER 2024 (d6)	
Chairpersons: Prof. Alberto Aloisio - Prof. Alessandro Pezzella	
09:00-10:30	«Research Infrastructure in University of Napoli Federico II» <b>Prof. Luigi Esposito</b> Dept. of Veterinary Medicine and Animal Production UNINA Napoli - Italy
11:00-13:00	Closing ceremony
13:00-14:30 Brunch	
17 NOVEMBER 2024 DEPARTURE DAY (d7)	

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Pathogen Readiness Platform Project funded by the PNRR Mission 4, Component 2 – Investment Line 3.1 has activated the Training School in “One Health Biotyper diagnostic help” in accordance with the Research Infrastructure proposed by the Department of Veterinary Medicine and Animal Production of the University of Naples Federico II “One Health Veterinary & Agriculture (OHVA) pathogen handling and identification”.

