

Financed by the European Union - NextGenerationEU
«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»



«PRP@CERIC ERIC - Pathogen Readiness Platform for
CERIC-ERIC Upgrade»

(8.4) One Health Veterinary & Agriculture (OHVA) pathogen
handling and identification (Cup J97G22000400006)

TRAINING SCHOOL «One Health Biotyper Diagnostic Help»



Project Partners



Local Allies of Benevento

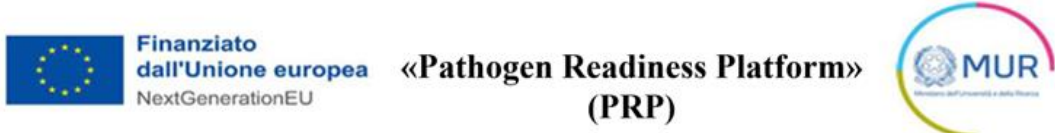


November 11 - 16, 2024

Department of Veterinary and Animal Production
Via Delpino 1, 80137 Napoli - Italy



“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

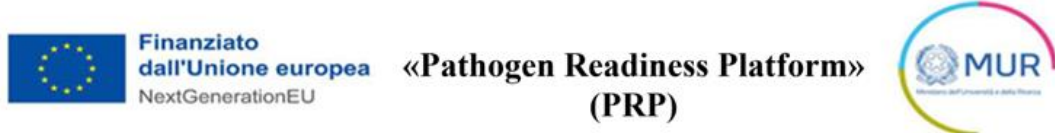


TRAINING SCHOOL - "ONE HEALTH BIOTYPER DIAGNOSTIC HELP"

10 NOVEMBER 2024 ARRIVAL DAY (d0)	
11 NOVEMBER 2024 (d1)	
“Aula Magna” Department of Veterinary Medicine and Animal Production via Delpino, 1 Naples – Italy	
Chairpersons: Prof. Luigi Esposito - Prof. Ana Maria Carvajal Urueña	
09:00-09:30	Registration and reception of participants
09:30-10:30	<p><u>Welcome day - INSTITUTIONAL GREETINGS</u></p> <p>Prof. Aniello Anastasio <i>Director of the Department of Veterinary Medicine and Animal Production (DMVPA) University of Napoli Federico II (UNINA)</i></p> <p><u>PRESENTATION OF THE LABORATORIES AND THEIR IMPORTANCE ON THE FIELD</u></p> <p>Prof. Nicoletta Murru <i>- Head of the Laboratory of Microbiology in Foods of Animal Origin (DMVPA-UNINA)</i></p> <p>Dr. Loredana Baldi <i>- Department Director of Experimental Zooprophyllactic Institute of South Italy (IZSM)</i></p> <p>Prof. Luisa De Martino <i>- Head of the Bacteriology Laboratory (DMVPA-UNINA)</i></p> <p>Prof. Luca Borrelli <i>- Head of Microbiology Laboratory (DMVPA-UNINA)</i></p> <p>Prof. Paola Manini <i>- Coordinator of the School in “The new frontiers of NMR: advanced applications” (Dept. of Chemical Sciences-UNINA)</i></p> <p>Prof. Gaetano Oliva <i>- President of the School of Agriculture and Veterinary Medicine (DMVPA-UNINA)</i></p> <p>Prof. Alessandro Fioretti <i>- Director of the Specialization in Poultry, Rabbit and Game Species Technology & Pathology</i></p> <p>Prof. Giuseppe Iovane <i>- Director of the Specialization in Infectious diseases, prophylaxis and veterinary police</i></p> <p>Prof. Antonio Pescapé <i>- Rector's Delegate for Innovation and Third Mission</i></p> <p>Dr Marco Esposito <i>- Campania Region - Prevention and veterinary public health</i></p> <p>On. Luigi Carbone <i>- Naples' City Councilor</i></p>
10:30-10:45	Coffee Break
10:45-13:00	<p>«MALDI-TOF mass-spectrometry technology»</p> <p>Dr Cristiana Mirasole Area Sales Manager @ Bruker Microbiology & Infection Diagnostics. Viterbo – Italy</p>
13:30-15:00	Brunch



“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



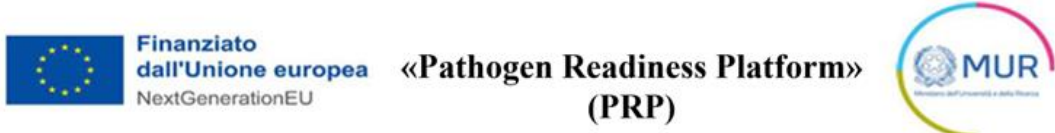
TRAINING SCHOOL - "ONE HEALTH BIOTYPER DIAGNOSTIC HELP"

16 NOVEMBER 2024 (d6)	
“Aula Magna” Department of Veterinary Medicine and Animal Production via Delpino, 1 Naples – Italy	
Chairpersons: Prof. Simona Tafuri - Prof. Manuela Martano	
10:00-10:30	<p>«Research Infrastructure in University of Napoli Federico II»</p> <p>Prof. Alessandro Pezzella Dept. of Chemical Science UNINA Napoli – Italy</p>
10:30-11:30	<p>«The main problems encountered in microbiological diagnosis in farm animals»</p> <p>Ana Maria Carvajal Urueña Dept. of Animal Health – Veterinary Faculty University of León, Spain</p>
11:30-12:30	<p>CLOSING CEREMONY</p> <p>Prof. Giuseppe Campanile University of Naples Federico II (UNINA Board of Directors)</p> <p>Dr. Ester De Carlo – Medical Director of Experimental Zooprophyllactic Institute of South Italy (IZSM)</p> <p>Prof. Alberto Aloisio <i>Scientific Coordinator Bioelectronics UNINA Task Force Board of Directors of the Public Research Institution AREA Science Park (Dept. Physics “Ettore Pancini”-UNINA)</i></p>
13:00-14:30	Brunch
17 NOVEMBER 2024 DEPARTURE DAY (d7)	


The organizers thanks for collaboration of



“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



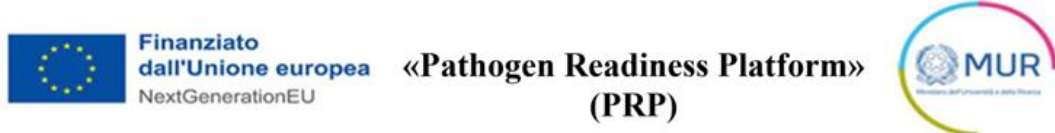
TRAINING SCHOOL - "ONE HEALTH BIOTYPER DIAGNOSTIC HELP"

15 nov 2024 (d5)	
Aula Magna” Department of Veterinary Medicine and Animal Production via Delpino, 1 Naples – Italy	
Chairpersons: Dr. Nadia Piscopo - Prof. Maria Pia Pasolini	
09:00-10:45	«MALDI and beyond: how Japan is preparing to tackle a future pandemic crisis» Prof. Kazuyuki Matsushita <i>Dept. Laboratory Medicine & Division of Clinical Genetics and Proteomics Chiba University Hospital – Japan</i>
 ROUND TABLE FOR OneAquaHealth results	
11:15-11:20	<i>Institutional greetings and introduction to the round table</i> Prof. Laura Rinaldi University of Naples Federico II (Responsible of DVMPA <i>International Relations</i>)
11:20-11:30	<i>Introduction to OneAquaHealth project</i> Prof. Luigi Esposito University of Naples Federico II (Coordinator for Benevento Research site)
11:30-11:50	<i>Ecological and biological health of urban streams</i> Prof. Dirk S. Schmeller Centre de Recherche sur la Biodiversite et l'Environnement (Work Package Leader for WP2, Coordinator for Toulouse Research site)
11:50-12:10	<i>Influence of urbanization on biodiversity</i> Dr. Ana Cláudia Norte University of Coimbra, MARE – Marine and Environmental Sciences Centre (WP2 Team Member, Coimbra Research Site)
12:10-12:25	<i>The importance of Local Alliances in the OneAquaHealth project</i> Dr. Fabio Di Nocera Experimental Zooprophyllactic Institute of South Italy (WP4, LoA of Benevento Research site)
12:25-13:00	<i>Results and future steps for the OneAquaHealth project</i> Prof. Oscar Tamburis National Research Council of Italy - (WP3 Task Leader)

13:00-14:30	
Brunch	
“Laboratory of Microbiology in Foods of Animal Origin” Department of Veterinary Medicine and Animal Production via Delpino, 1 Naples – Italy	
15:00-17:00	Practical training “Introduction to instrumentation” With the assistance of Bruker technicians Dr Andrea Baldaccini and Dr Patric Leo
17:00-17:15	Coffee Break
17:30-19:00	Practical training “Sample preparation for bacteria” Assistance of Bruker technician Dr Andrea Baldaccini and Researcher DMVPA Dr Rosa Ambrosio



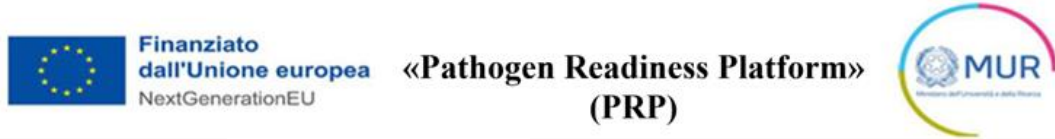
“Strengthening and creation of Research Infrastructures” financed under the PNRR Mission 4, “Education and Research” – Component 2, “from research to business” – Investment line 3.1, “Fund for the creation of an integrated system of research and innovation infrastructures”, financed by the European Union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



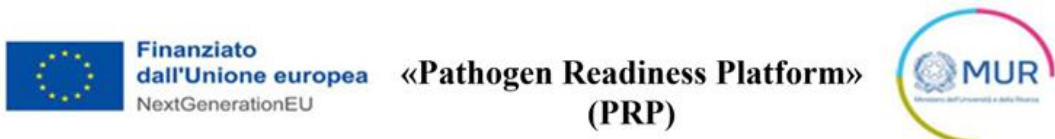
TRAINING SCHOOL - "ONE HEALTH BIOTYPER DIAGNOSTIC HELP"

12 NOVEMBER 2024 (d2)	
“Aula Magna” Department of Veterinary Medicine and Animal Production via Delpino, 1 Naples – Italy	
Chairpersons: Prof. Luisa de Martino – Prof. Carlos Venancio	
09:00-10:45	«Quick identification by MALDI Biotyper Software» Dr Francesc Marquez Garrido Team Lead Application Support South Europe Microbiology & Infection Diagnostics / BMID Barcelona – Spain
11:15-13:00	«The use of MALDI-TOF Biotyper Main Spectra for library building and quality control of preserved bacterial strains» Ing. Jindrich Peiren Department Biochemistry and microbiology, Ghent University – Belgium
13:00-14:30	
Brunch	
“Laboratory of Microbiology in Foods of Animal Origin” Department of Veterinary Medicine and Animal Production via Delpino, 1 Naples – Italy	
15:00-17:00	Practical training “Introduction to instrumentation” With the assistance of Bruker technicians Dr Andrea Baldaccini and Dr Patric Leo
17:00-17:15	Coffee Break
17:30-19:00	Practical training “Sample preparation for bacteria” With the assistance of Bruker technician Dr Andrea Baldaccini Researcher DMVPA Dr Rosa Ambrosio

The organizers thanks



“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



TRAINING SCHOOL - "ONE HEALTH BIOTYPER DIAGNOSTIC HELP"

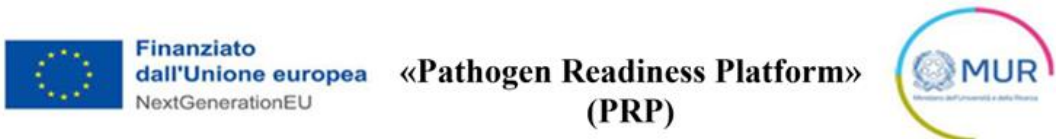
13 NOVEMBER 2024 (d3) Aula Magna” Department of Veterinary Medicine and Animal Production via Delpino, 1 Naples – Italy	
Chairpersons: Prof. Ana Raquel Calapez - Prof. Antonio Santaniello	
09:00-10:45	«How to identify similar bacteria species using mass spectrometry (Maldi Tof)» Dr David Rodriguez-Temporal Department of Clinical Microbiology and Infectious Diseases, Hospital General Universitario Gregorio Marañón, Madrid, Spain
11:15-13:00	«MALDI-TOF MS as a High-Throughput Dereplication and Identification Tool in the Search for Novel Bacteria» Dr Anneleen Wieme Department Biochemistry and microbiology, Ghent University – Belgium
13:00-14:30 Brunch	
“Laboratory of Microbiology in Foods of Animal Origin” Department of Veterinary Medicine and Animal Production via Delpino, 1 Naples – Italy	
15:00-17:00	Practical training “Sample preparation for fungi” With the assistance of Bruker technician Dr Patric Leo Researcher DMVPA Dr Francesca Paola Nocera
17:00-17:15	Coffee Break
17:15-19:00	Practical training “OAH samples comparison” With the assistance of Bruker technician Dr Patric Leo Researcher DMVPA Dr Francesca Paola Nocera

The organizers thanks for collaboration of



“Protecting urban aquatic ecosystems to promote One Health”

“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



TRAINING SCHOOL - "ONE HEALTH BIOTYPER DIAGNOSTIC HELP"

14 NOVEMBER 2024 (d4) Aula Magna” Department of Veterinary Medicine and Animal Production via Delpino, 1 Naples – Italy	
Chairpersons: Prof. Madalena Vieira Pinto - Prof. Dirk Schmeller	
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 Prof. Kazuyuki Matsushita <i>Dept. Laboratory Medicine & Division of Clinical Genetics and Proteomics Chiba University Hospital – Japan</i>
11:15-13:00	«Diagnostic innovations for the identification of potentially pathogenic fungal components» Dr Nelson Lima CEB-Biological Engineering Centre University of Minho
13:00-14:30 Brunch	
“Laboratory of Microbiology in Foods of Animal Origin” Department of Veterinary Medicine and Animal Production via Delpino, 1 Naples – Italy	
15:00-17:00	Practical training “Sample preparation for IR upgrade results” With the assistance of Bruker technician Dr Andrea Baldaccini
17:00-17:15	Coffee Break
17:15-19:00	Practical training “Sample preparation for IR upgrade results” With the assistance of Bruker technician Dr Patric Leo
21:00-23:00	SOCIAL DINNER - Circolo Canottieri Napoli

