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dall'Unione europea

Ministero dell'Università e della Ricerca

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»



«Protecting urban aquatic ecosystems to promote One Health» (Grant n. 101086521) - Research Site of Benevento - Italy



«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»















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



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TRAINING SCHOOL - "ONE HEALTH BIOTYPER DIAGNOSTIC HELP"

	TRAINING SCHOOL - "ONE HEALTH BIOTYPER DIAGNOSTIC HELP"		TRAINING SC
1	10 November 2024 Arrival day (d0)		
"Aula Mag	11 NOVEMBER 2024 (d1) na" Department of Veterinary Medicine and Animal Production via Delpino, 1 Naples – Italy	"Aula]	Magna" Departme
Chairpersons: Prof. Luigi Esposito - Prof. Ana Maria Carvajal Urueña			Chairpe
09:00-09:30	Registration and reception of participants		
09:30-10:30	Welcome day - INSTITUTIONAL GREETINGS	10:00-10:30	
	Prof. Aniello Anastasio Director of the Department of Veterinary Medicine and Animal Production (DMVPA) University of Napoli Federico II (UNINA)		
	PRESENTATION OF THE LABORATORIES AND THEIR IMPORTANCE ON THE FIELD	10:30-11:30	«The m
	Prof. Nicoletta Murru - Head of the Laboratory of Microbiology in Foods of Animal Origin (DMVPA-UNINA) Dr. Loredana Baldi		De
	– Department Director of Experimental Zooprophylactic Institute of South Italy (IZSM) <i>Prof. Luisa De Martino</i>		
	- Head of the Bacteriology Laboratory (DMVPA-UNINA) Prof. Luca Borrelli		
	- Head of Microbiology Laboratory (DMVPA-UNINA) Prof. Paola Manini	11:30-12:30	– Medical
	- Coordinator of the School in "The new frontiers of NMR: advanced applications" (Dept. of Chemical Sciences-UNINA) Prof. Gaetano Oliva		Вос
	- President of the School of Agriculture and Veterinary Medicine (DMVPA-UNINA) Prof. Alessandro Fioretti		
	- Director of the Specialization in Poultry, Rabbit and Game Species Technology & Pathology Prof. Giuseppe Iovane	13:00-14:30	
	- Director of the Specialization in Infectious diseases, prophylaxis and veterinary police Prof. Antonio Pescapé		
	- Rector's Delegate for Innovation and Third Mission Dr Marco Esposito		
	- Campania Region - Prevention and veterinary public health		
	On. Luigi Carbone - Naples' City Councilor		
10:30-10:45	Coffee Break		Th
10:45-13:00	<i>«MALDI-TOF</i> mass-spectrometry technology <i>»</i> Dr Cristiana Mirasole Area Sales Manager @ Bruker Microbiology & Infection Diagnostics. Viterbo – Italy	111	
13:30-15:00	Brunch		
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16 NOVEMBER 2024 (d6)

nent of Veterinary Medicine and Animal Production via Delpino, 1 Naples – Italy

ersons: Prof. Simona Tafuri - Prof. Manuela Martano

«Research Infrastructure in University of Napoli Federico II» Prof. Alessandro Pezzella Dept. of Chemical Science UNINA Napoli - Italy

main problems encountered in microbiological diagnosis in farm animals \gg Ana Maria Carvajal Urueña ept. of Animal Health – Veterinary Faculty University of León, Spain

CLOSING CEREMONY Prof. Giuseppe Campanile University of Naples Federico II (UNINA Board of Directors) Dr. Ester De Carlo al Director of Experimental Zooprophylactic Institute of South Italy (IZSM) **Prof.** Alberto Aloisio Scientific Coordinator Bioelectronics UNINA Task Force pard of Directors of the Public Research Institution AREA Science Park (Dept. Physics "Ettore Pancini"-UNINA)

Brunch

17 NOVEMBER 2024 DEPARTURE DAY (d7)

The organizers thanks for collaboration of



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TRAINING SCHOOL - "ONE HEALTH BIOTYPER DIAGNOSTIC HELP"

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 Dept. Laboratory Medicine & Division of Clinical Genetics and Proteomics Chiba University Hospital – Japan OneAquaHealth® ROUND TABLE FOR OneAquaHealth results 11:15-11:20 Institutional greetings and introduction to the round table Prof. Laura Rinaldi University of Naples Federico II (Responsible of DVMPA International Relations) Introduction to OneAquaHealth project Prof. Luigi Esposito University of Naples Federico II (Coordinator for Benevento Research site) 11:20-11:30 Ecological and biological health of urban streams Prof. Dirk S. Schmeller Centre de Recherche sur la Biodiversite et l'Environnement (Work Package Leader for WP2, Coordinator for Toulouse Research site) 11:30-11:50 Influence of urbanization on biodiversity Dr. Ana Cláudia Norte University of Coimbra, MARE – Marine and Environmental Sciences Centre (WP2 Team Member, Coimbra Research Site) 11:20-12:25 The importance of Local Alliances in the OneAquaHealth project Dr. Fabio Di Nocera Experimental Zooprophylactic Institute of South Italy (WP4, LoA of Benevento Research site)	15 NOV 2024 (d5) Aula Magna" Department of Veterinary Medicine and Animal Production via Delpino, 1 Naples – Italy				
And Depter and Deports for Prof. Kazuyuki Matsushita Dept. Laboratory Medicine & Division of Clinical Genetics and Proteomics Chiba University Hospital – Japan OneAquaHealth Institutional greetings and introduction to the round table 11:15-11:20 Institutional greetings and introduction to the round table Prof. Laura Rinaldi University of Naples Federico II (Responsible of DVMPA International Relations) Introduction to OneAquaHealth project 11:20-11:30 Ecological and biological health of urban streams Prof. Dirk S. Schmeller 11:30-11:50 Centre de Recherche sur la Biodiversite et l'Environnement (Work Package Leader for WP2, Coordinator for Toulouse Research site) Influence of urbanization on biodiversity Institutional combra, MARE – Marine and Environmental Sciences Centre (WP2 Team Member, Coimbra Research Site) The importance of Local Alliances in the OneAquaHealth project 12:10-12:25	Chairpersons: Dr. Nadia Piscopo - Prof. Maria Pia Pasolini				
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12:10-12:25 Dr. Fabio Di Nocera	11:50-12:10	Dr. Ana Cláudia Norte University of Coimbra, MARE – Marine and Environmental Sciences Centre			
Experimental Booprophylactic institute of bouth fully (vir 1, Borror Benevento Research site	12:10-12:25				
Results and future steps for the OneAquaHealth project12:25-13:00Prof. Oscar TamburisNational Research Council of Italy - (WP3 Task Leader)	12:25-13:00	Prof. Oscar Tamburis			
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					
Practical training 15:00-17:00 "Introduction to instrumentation" With the assistance of Bruker technicians Dr Andrea Baldaccini and Dr Patric Leo	15:00-17:00	"Introduction to instrumentation"			
17:00-17:15 Coffee Break	17:00-17:15				
Practical training 17:30-19:00 "Sample preparation for bacteria" Assistance of Bruker technician Dr Andrea Baldaccini and Researcher DMVPA Dr Rosa Ambrosio	17:30-19:00	"Sample preparation for bacteria"			



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TRAINING SCHOOL - "ONE HEALTH BIOTYPER DIAGNOSTIC HELP"

-				
12 November 2 "Aula Magna" Department of Veterinary Medicine and				
Chairpersons: Prof. Luisa de M				
09:00-10:45	≪Quick identification Dr Frances Team Lead Application Support South BMID B			
11:15-13:00	≪The use of MALDI-TOF Biotyper Main preserved Ing. J i Department Biochemistry and r			
13:00-14:30				
<i>"Laboratory of Microbiology"</i> Department of Veterinary Medicine and Anim				
15:00-17:00	Prac "Introductio With the assista Dr Andrea Balc			
17:00-17:15	C			
17:30-19:00	Prac "Sample pre With t Bruker technici Researcher DM			

Finanziato dall'Unione europea «Pathogen Readiness Platform» NextGenerationEU (PRP)





dall'Unione europea «Pathogen Readiness Platform» (PRP)



2024 (d2)

Animal Production via Delpino, 1 Naples – Italy

tino – Prof. Carlos Venancio

h by MALDI Biotyper Software≫ sc Marquez Garrido 1 Europe Microbiology & Infection Diagnostics / Barcelona – Spain

Spectra for library building and quality control of d bacterial strains≫ indrich Peiren

microbiology, Ghent University – Belgium

Brunch

n Foods of Animal Origin" al Production via Delpino, 1 Naples – Italy

ctical training on to instrumentation" ance of Bruker technicians daccini and Dr Patric Leo

offee Break

ctical training eparation for bacteria" the assistance of cian Dr Andrea Baldaccini MVPA Dr Rosa Ambrosio

The organizers thanks



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TRAINING SCHOOL - "ONE HEALTH BIOTYPER DIAGNOSTIC HELP"

		r		
13 November 2024 (d3) Aula Magna" Department of Veterinary Medicine and Animal Production via Delpino, 1 Naples – Italy			Aula Magna" I	Depa
	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		09:00-10:45	
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		11:15-13:00	
13:00-14:30	Brunch		13:00-14:30	I
<i>"Laboratory of Microbiology in Foods of Animal Origin"</i> Department of Veterinary Medicine and Animal Production via Delpino, 1 Naples – Italy			Departi	mer
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		15:00-17:00	
17:00-17:15	Coffee Break		17:00-17:15	
17:15-19:00	Practical training "OAH samples comparison" With the assistance of Bruker technician Dr Patric Leo Researcher DMVPA Dr Francesca Paola Nocera		17:15-19:00	
	The organizers thanks for collaboration of	1	21:00-23:00	

The organizers thanks for collaboration of

OneAguaHealth 🐨

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TRAINING SCHOOL - "ONE HEALTH BIOTYPER DIAGNOSTIC HELP"

	14 NOVEMBER Aula Magna" Department of Veterinary Medicine and			
	Chairpersons: Prof. Madalena Vie			
	09:00-10:45	≪Biotyper philosophy≫: applicat identification of pathogens respons Prof. K Dept. Laboratory Medicine & Chiba Uni		
	11:15-13:00	≪Diagnostic innovatio pathogen D CEB-Biological Engin		
	13:00-14:30			
	<i>"Laboratory of Microbiology ir</i> Department of Veterinary Medicine and Anima			
-	15:00-17:00	P "Sample prepa Wit Bruker techn		
	17:00-17:15			
	17:15-19:00	P "Sample prepa Wit Bruker to		
	21:00-23:00	SOCIAL DINNE		



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14 NOVEMBER 2024 (d4)

Animal Production via Delpino, 1 Naples – Italy

ra Pinto - Prof. Dirk Schmeller

tion of the MALDI innovative technologies for the sible for diseases supported by bacteria and fungi Kazuyuki Matsushita

& Division of Clinical Genetics and Proteomics niversity Hospital – Japan

ons for the identification of potentially nic fungal components \gg Dr Nelson Lima neering Centre | University of Minho |

Brunch

n Foods of Animal Origin" al Production via Delpino, 1 Naples – Italy

Practical training aration for IR upgrade results" th the assistance of nician Dr Andrea Baldaccini

Coffee Break

Practical training aration for IR upgrade results" th the assistance of technician Dr Patric Leo

ER - Circolo Canottieri Napoli