

aBS WORKSHOPS

Università degli Studi della Campania *Luigi Vanvitelli*

Università degli Studi di Napoli Federico II

Istituto Zooprofilattico Sperimentale del Mezzogiorno
Campania | Calabria



3° Life Sciences Mediterranean

One Health: A Holistic Approach for Global Health Issues

CONGRESS VENUE

Aula Magna

Complesso Monumentale Santa Patrizia

Via Luciano Armanni, 5

Università degli Studi della Campania "L. Vanvitelli" - Napoli

13th-14th November 2025

Presidenti:

Massimiliano Galdiero, Giuseppe Iovane, Giuseppe Portella

Dear colleagues,

we are pleased to announce the 3nd Life Sciences Meeting of the Mediterranean Association for Biomedical Sciences, which will be held in Naples on 13th and 14th november 2025.

One Health approach is a concept which provides a comprehensive framework to address the interconnectedness of human, animal, and environmental health in tackling global health challenges. From a microbiological point of view, the declination of One Health seems to be a direct consequence of the zoonotic potential of many infectious pathogens, but we have now a clear vision that our ecosystem includes everything from the microorganisms living in our gut to the home we live in, the way we live our lives, our immediate environment, the wider environment, and the world as a whole

This is the "one health" principle inspiring the present meeting, which aims to sustainably balance and optimise the health of people, animals and ecosystems through an integrated, unifying approach.

The International Workshop is open to scientists from all biomedical disciplines involved in innovative research with particular attention to PhD students, specialty trainees, postdoctoral scientists and all researchers who feel young. This meeting represents a unique opportunity for young scientists and researchers, as well as their lines of research, to gain visibility, to share knowledge with each other and to promote meaningful interactions to facilitate future projects and collaborations in a complex territory such as the geographical area around the Mediterranean Sea. Furthermore, this experience will inspire the development of new research programs for PhD and Specialization Courses students and create the opportunity to participate in regional, national, and international funding calls. Young scientists will play represent more than half of the scientific content of the workshop.

Registration is free; however, the conference will host a maximum of 120 participants. Please share this invitation with anyone who may be interested in attending.

Sincerely,
Meeting Presidents

Massimiliano Galdiero

Giuseppe Iovane

Giuseppe Portella

Thursday November 13

08.00 Registration

PRE-CONGRESSUAL SESSION

SCIENCE WITHOUT BORDERS

Moderators: Gianluigi Franci, Serena Montagnaro, Carla Zannella

08.30-08.45
New Self-assembled nanocomplex for delivery of miRNA through blood brain barrier in glioblastoma models
Marianna Abate

08.45-09.00
The recent discovery of KNR50: a multifunctional bioactive peptide hidden in bovine milk
Andrea Bosso

09.00-09.15
Herbs for Herds: how medicinal plants can boost animal and human health
Piera Iommelli

09.15- 09.30
Pantinins as a novel strategy against animal and human pathogens
Rosa Giugliano

09.30-09.45
Vectors and vector-borne parasites: risks to human health
Maria Paola Maurelli

09.45-10.00
Exposure to an electric field affects biofilm susceptibility to antibiotics
Emanuela Roscetto

10.00- 11.00
MEETING PRESENTATION & WELCOME ADDRESS

Giovanni Francesco Nicoletti
Rettore dell'Università degli Studi della Campania Luigi Vanvitelli
Matteo Lorito
Rettore dell'Università degli Studi di Napoli Federico II
Antonio Postiglione
Direttore Generale per la Tutela della Salute e il Coordinamento del Sistema Sanitario Regione Campania
Michele Valentino Chiara
Responsabile Settore Prevenzione Collettiva e Sanità Pubblica Veterinaria
Mario Iervolino
Direttore Generale AOU Luigi Vanvitelli
Giuseppe Iovane
Direttore Generale dell'Istituto Zooprofilattico Sperimentale del Mezzogiorno
Silverio Perrotta
Direttore Dipartimento della Donna, del Bambino e di Chirurgia Generale e Specialista Università degli Studi della Campania Luigi Vanvitelli
Pietro Formisano
Direttore Dipartimento di Scienze Mediche Traslazionali - Università degli Studi di Napoli Federico II
Marcellino Monda
Presidente del Corso di Laurea in Medicina e Chirurgia- Università degli Studi della Campania Luigi Vanvitelli

MaBS AWARD LECTURE FOR SCIENTIFIC IMPACT
Moderators: Massimiliano Galdiero, Giuseppe Iovane

11.00-11.30
The science of the host virus network
Carlo Federico Perno

11.30-12.00 Coffee Break

Thursday November 13

SESSION 1
EMERGING VIRAL INFECTIONS
Moderators: Mirko Cortese, Anna De Filippis, Simona De Grazia

12.00-12.20
Autochthonous Dengue: a new frontier in Arbovirus surveillance
Fabrizio Maggi
12.20-12.40
Arboviral diseases on the rise: towards an integrated surveillance strategy
Claudio de Martinis
12.40-13.00
Implementing an integrated system to enhance global surveillance of emerging and reemerging viral threats
Marta Giovanetti
13:00-13.20
Cutting-edge biosensors for viral infection detection
Federica Passeggio
13.20-13.40
Exploiting viral glycoproteins as antiviral agents
Roberta Della Marca

13:40-14:30 Lunch

SESSION 2
CANCER IN HUMANS AND ANIMALS
Moderators: Raffaele Addeo, Lucia Altucci, Salvatore Di Maro

14.30-14.50
Role of the tumor microenvironment in sensitivity to immunotherapy
Stefania Scala
14.50-15.10
Comparative oncology and One Health: how veterinary pathology advances translational research
Orlando Paciello
15.10-15.30
Microenvironment-mediated mitochondrial transfer modulates breast cancer cells' fitness
Vitale Del Vecchio

15.30-15.50
The FBXL10-RNF68-RNF2 ubiquitin ligase complex as a potential therapeutic target in pediatric high-grade glioma
Domenico Roberti
15.50-16.10
miR-223: a new target for head and neck squamous cell carcinoma
Michela Falco

SESSION 3
BACTERIAL INFECTIONS AND ANTIMICROBIAL RESISTANCE
Moderators: Maria Rosaria Catania, Ester De Carlo, Giovanna Donnarumma

16.10-16.30
Epidemiology and impact of antimicrobial resistance on human health
Alberto Antonelli
16.30-16.50
Antimicrobial resistance in the community setting: the other side of the coin
Luigi Principe
16.50-17.10
Inter-species transmission of Staphylococcus spp between dogs and owners
Francesca Paola Nocera
17.10-17.30
From local evidence to integrated perspectives: facing AMR at the University Hospital Vanvitelli
Annalisa Ambrosino

Friday November 14

SESSION 4
PARASITIC INFECTIONS, FOOD AND ALLERGENS
Moderators: Vincenzo Patella, Caterina Sagnelli, Chiara Schiraldi

09.00-09.20
The relationship between parasitic infections and allergies
Michele Miraglia del Giudice
09.20-09.40
One Health in parasitology: an integrated approach to global health
Laura Rinaldi
09.40-10.00
Diagnostic of allergic diseases
Nunzia Montuori
10.00-10.20
One Health and food safety: understanding the connections
Aniello Anastasio
10.20-10.40
Waste into value: sustainable production of plant growth-promoting bacteria and their metabolites with potential biotechnological applications
Donatella Cimini

SESSION 5
CLIMATE AND ENVIRONMENTAL HAZARD EXPOSURE IN HUMANS AND ANIMALS
Moderators: Italo Francesco Angelillo, Francesco Beguinot, Giuseppe Paolisso
10.40-11.00
Climate change - consequences and effects
Ufficiale dell'Aeronautica Militare - Servizio Meteorologico
11.00-11.20
Oncologic disease and environment
Antonio Giordano
11.20-11.40
Microplastics and human diseases
Raffaele Marfella
11.40-12.00
The surveillance of antimicrobial resistance in bacterial pathogens from animal primary productions in Italy: a One-Health perspective
Antonio Battisti

12.00.12.20
Wastewater as a sentinel system: uncovering Echovirus 11 lineage 1 in Sicily
Floriana Bonura
12.20.12.40
Climate-sensitive health risks: resilience is One Health
Roberta Astorri

12.40 - 13:30 Lunch

SESSION 6
METABOLIC DISORDERS IN HUMANS AND ANIMALS
Moderators: Maria Luisa Balestrieri, Katherine Esposito, Severina Pacifico

13.30-13.50
The role of adipose tissue in inflammation
Pietro Formisano
13.50-14.10
Nutraceutical approach in metabolic diseases
Maria Daglia
14.10-14.30
Feeding systems to improve animal health, milk nutritional characteristics, and to reduce environmental impact
Federico Infascelli
14.30-14.50
The orexinergic regulation of the autonomic nervous system and energy expenditure
Giovanni Messina

CLOSING LECTURE: MaBS AWARD LECTURE FOR EXCELLENCE IN SCIENCE
Moderators: Giuseppe Portella, Michele Caraglia

15.00-15.30
Transglutaminase type 2: the epigenetic face of a cytoplasmic enzyme
Mauro Piacentini

15.30-16.00
AWARDING OF PRIZES
3° Life Sciences MaBS Award
Presented by: Anna De Filippis, Sivia Zappavigna, Daniela Terracciano

Friday November 14

VirSudNet Project Symposia

National projects on novel pathogenetic and therapeutic approaches
Presentation: Massimiliano Galdiero

16:00-17:00
Artificial Intelligence-based Dengue virus infection predictor *(AI-DENInfect)*

AI-DENInfect update and results
Summary: Vito Antonio Bevilacqua

Discussion and Perspectives:
Massimiliano Galdiero, Davide Cacchiarelli, Matteo Porotto, Anna De Filippis, Carla Zannella,Beatrice Salvatori, Walter Sanseverino, Annalisa Chianese, Francesca Palma, Roberta Della Marca

17:00-18:00
Enforcing the therapeutic arsenal against emerging and reemerging RNA viruses (Etheraserv)

Etheraserv update and results
Summary: Simona De Grazia

Discussion and Perspectives:
Francesca Marino Merlo, Anna De Filippis, Annalisa Chianese, Antonio Mastino, Emilia Palazzotto, Valeria Stefanizzi

SEGRETERIA ORGANIZZATIVA
Anna De Filippis, Annamaria Malfitano, Daniela Terracciano, Emiliana Finamore, Carla Zannella, Annalisa Chianese, Rosa Giugliano, Annalisa Ambrosino, Fabiana Napolitano

GENERAL INFORMATION

REGISTRATION
Free registration. Click https://www.mabsmeeting.it/iscrizioni/

CERTIFICATE OF PARTICIPATION
After the congress we will send you the certificate of participation by e-mail within the next two weeks.

OFFICIAL LANGUAGE
Italian/English

SLIDE CENTRE
Laptops will not be connectable directly to the projector in the Lecture room. Speakers are invited to use PowerPoint and will have to deliver their material on a USB (pen drive) before the session starts.

GUIDELINE FOR SPEAKERS AND MODERATORS
Moderators are requested to:

- Be in the lecture room before the start of the session.
- Strictly respect the times assigned to the session and to individual presentations.

Speakers are requested to:

- Deliver their materials to the Slide Centre in advance, preferably before the start of the meeting or at the least at the beginning of the day.
- Be in the lecture room before the start of the session.

ECM (Educazione Continua in Medicina)
MP Congressi (Provider ECM n. 1263) ha accreditato l'evento secondo il Programma Nazionale di Educazione Continua in Medicina con il rilascio di nr. 14 crediti formativi ECM per le seguenti figure professionali:

- Medico-chirurgo discipline: biochimica clinica, chirurgia generale, chirurgia pediatrica, farmacologia e tossicologia clinica, Igiene, epidemiologia e sanità pubblica, malattie infettive, medicina dello sport, microbiologia e virologia, oncologia, patologia clinica, pediatria
- Biologo
- Farmacista
- Infermiere
- Odontoiatra
- Tecnico sanitario laboratorio biomedico
- Medico Veterinario

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PRIN

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Coordinatore: Prof Michele Caraglia

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