



V: 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 Meeting

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 3rd 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

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

Pantinsins as a novel strategy against animal and human pathogens

[Rosa Giugliano](#)

09.30-09.45

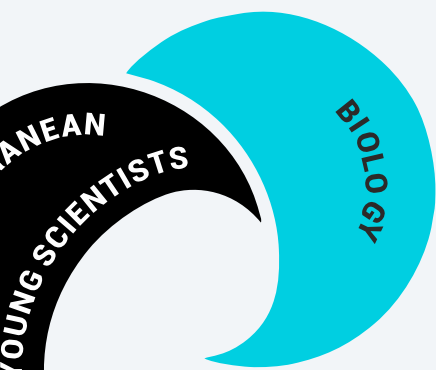
Vectors and vector-borne parasites: risks to human health

[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



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 Marco](#)

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

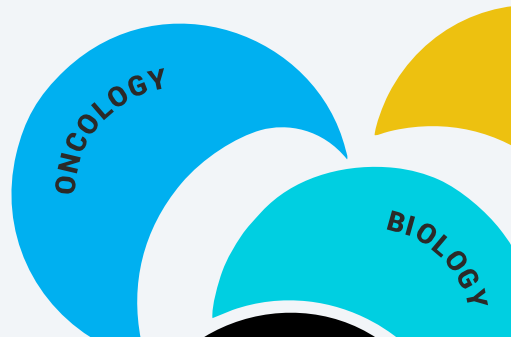
Inter-species transmission of *Staphylococcus* spp between dogs and owners

[Francesca Paola Nocera](#)

17.10-17.30

From local evidence to integrated perspectives: facing AMR at the University Hospital Vanvitelli

[Annalisa Ambrosino](#)



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

[Col. \(A.M.\) Luca Graniero](#)

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](#)

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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In collaborazione con il Dottorato di Ricerca in Scienze Biochimiche e Biotecnologiche (Indirizzo: Biologia, Biochimica e Biotecnologie Mediche ed Indirizzo: Microbiologia e Fisiopatologia)

Coordinatore: **Prof. Michele Caraglia**



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Diasorin



Si ringrazia



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