

RATIONALE

Oncology is the leading clinical field in terms of innovation when it comes to clinical trial activity, number of companies investing in the field, amount of new therapies and diagnostic tests under development, new product launches, and level of overall expenditure.

Technology plays a key role in advancing cancer patient management in all three aspects of medicine: prevention, diagnosis and treatment. Thanks to technological innovations, physicians can make more accurate and timely diagnoses, monitor patients more thoroughly and on a more personalized basis, and employ individualized, more targeted, and less invasive new therapies. In addition, technology enables the collection of large amounts of data on patients and the effectiveness of treatments, which can be analyzed using algorithms and artificial intelligence techniques to improve clinical decision-making.

The implication is that expenditure on research and development for cancer prevention, diagnosis and treatment is a significant investment worldwide. The American Cancer Society estimates that in 2021, worldwide spending on cancer research and development was \$21.5 billion. This includes expenditure by governments, academic institutions and private corporations. Through the contributions of physicians and scientists, about 23,000 active cancer clinical trials have been registered as of March 2023, according to ClinicalTrials.gov.

At an academic level, hospitals, universities and research institutes are investing substantial resources into understanding the basic biology of cancer and in pioneering new approaches to patient care management. Service companies, the pharmaceutical industry, and biotech corporations focus their attention on developing new approaches and products to prevent, diagnose, and treat cancer.

Within both of these worlds, technological advances as well as the rise of new computational capabilities enabled by artificial intelligence, machine learning, and big data will play a significant role in the future of cancer patient care management. In 2021, a record-breaking year, more new cancer drugs became available for the first time than in any other year ever (30 new cancer active ingredients launched globally), and many of these employ new technologies to improve the way patients are treated. During this meeting we will be providing the latest updates within the field of oncology with a focus on the use of new technologies for the prevention, diagnosis, treatment, and monitoring of cancer patients. This congress will host physicians, biologists, scientists, researchers, engineers, physicists, mathematicians and other experts from relevant fields.

This panel of key national and international opinion leaders will be instrumental in representing the incredible level of innovation, discussing the latest advances in the field, exploring new possibilities for the future, and discussing the issues of equal and widespread accessibility to treatment, as well as the ethical implications related to the cost of such treatments.

SCIENTIFIC COORDINATORS

GIUSEPPE CURIGLIANO
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CME CREDITS

Certificate awarding 11 CME credits will be emailed within 90 days after the end of the congress. The following medical sciences have been accredited for this congress: Oncology, Radiotherapy, Pharmacists, Biology, Nurses, Pneumology, Gastroenterology, Hematology, Pathological Anatomy

EDUCATIONAL GOALS

Technical-professional contents (knowledge and skills) specific to each profession, each specialization and each ultra-specialised activity, including rare diseases and gender medicine

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PROJECT COORDINATION AND CME PROVIDER



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THROUGHOUT THE EVENT, PHOTOS WILL BE TAKEN AND VIDEO RECORDINGS WILL BE MADE. THE CONTENT WILL BE SHARED ONLINE, INCLUDING SOCIAL NETWORKS.

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NEX ONCOLOGY

Supporting Oncology through Innovation.

OCTOBER 9TH - 10TH 2023

MILAN

Hotel Enterprise - Corso Sempione, 91

WWW.NEXTONCOLOGY.IT

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virtual participation*

7 OCTOBER 9th, 2023

11:00
Opening activities
G. Curigliano, M. De Laurentiis

I SESSION:
**RADIOMIC PREVENTION AND
BIOSENSORS**

11:15
Introductory Talk
A. Albini

11:35
Keynote lecture:
Updates on early detection
methods
C. Rolfo

12:05
Technical Presentation:
Radiomics and imaging of next
generation
S. Volpe

12:20
Technical Presentation:
Digital and AI for biosensors
and clinical research
A. Traverso

12:35
Round Table
**A. Albini, G. Curigliano,
M. De Laurentiis, V. Guarneri,
C. Rolfo, A. Traverso, S. Volpe**

13:15
Lunch

II SESSION:
**MINIMALLY INVASIVE
DIAGNOSTIC PROCEDURES
AND MULTIOMICS
TECHNOLOGIES**

14:30
Introductory Talk
A. Bardelli

14:50
Keynote lecture:
How liquid biopsies will change
clinical practice in oncology
G. Mauri

15:20
Technical Presentation:
Computational Oncology: Omics
analyses in circulating tumor
DNA
G. Crisafulli

15:35
Technical Presentation:
Monitoring response to cancer
immunomodulation in the blood
S. Valpione

15:50
Round Table
**A. Bardelli, S. Cinieri, G. Crisafulli,
G. Curigliano, M. De Laurentiis,
L. Del Mastro, M. Giuliano,
G. Mauri, S. Valpione**

16:30
Coffee break

III SESSION:
**ADVANCED TREATMENT AND
CANCER-SPECIFIC VACCINES**

16:45
Introductory Talk
P. Ascierto

17:05
Keynote lecture:
What we learned from
immunotherapy in the past years
P. Ascierto

17:35
Technical Presentation:
The role of metabolism in
immunotherapy
G. Delgoffe

17:50
Technical Presentation:
The development of personalized
cancer-specific vaccines
C. Melief

18:05
Round Table
**P. Ascierto, G. Bianchini,
G. Curigliano, M. De Laurentiis,
G. Delgoffe, A. Gennari, C. Melief,
M. Lambertini**

18:45
Wrap up and take home
messages
G. Curigliano, M. De Laurentiis

18:55
Closing activities

NEX 
O N C O L O G Y

7 OCTOBER 10th, 2023

9:00
Opening activities
G. Curigliano, M. De Laurentiis

9:15 - 11:05 *
IV SESSION:
ANTIBODY DRUG CONJUGATE

9:15
Introductory Talk
S. Siena

9:35
Keynote lecture:
ADCs Design
T. Kagari

10:05
Technical Presentation:
Next Generation ADCs
B. Pistilli

10:20
Technical Presentation:
Biomarkers predicting activity
of ADCs
E. Giovannetti

10:35
Round Table
**G. Curigliano, M. De Laurentiis,
E. Giovannetti, T. Kagari,
F. Perrone, B. Pistilli, S. Siena**

V SESSION:
**NANOMEDICINE AND
PRECISION MEDICINE**

11:05
Introductory Talk
E. Tasciotti

11:25
Keynote lecture:
Hybrid nanomaterials for
targeting and killing tumors
L. De Cola

11:55
Technical Presentation:
Early detection and therapeutic
management of cancer through
the interrogation of nanoparticles' protein corona
G. Caracciolo

12:10
Technical Presentation:
Internal radiotherapy based on
inorganic nanoparticles
T. Pellegrino

12:25
Round Table
**G. Caracciolo, C. Criscitiello,
G. Curigliano, C. De Angelis,
L. De Cola, M. De Laurentiis,
S. Novello, T. Pellegrino,
E. Tasciotti**

12:55
Light Lunch

VI SESSION:
**COMPUTATIONAL ONCOLOGY,
AI AND VR**

13:25
Introductory Talk
A. Giordano

13:45
Keynote lecture:
Artificial Intelligence and
Virtual Reality Advances and
Applications in Research
Oncology and Clinical Oncology
L. Gallo

14:15
Technical Presentation:
Artificial Intelligence: A Modern
Approach
T. Tuccinardi

14:30
Technical Presentation:
The benefits of virtual reality
interventions for cancer
patients
A. Chirico

14:45
Focus On:
The impact of new
technologies on the care
process
G. Pravettoni

15:00
Round Table
**A. Chirico, G. Curigliano,
M. De Laurentiis, L. Gallo,
A. Giordano, G. Pravettoni,
F. Puglisi, T. Tuccinardi,
A. Zambelli**

15:30
Take home messages
G. Curigliano, M. De Laurentiis

15:45
Closing Activities

*Non - CME accredited

Supporting Oncology through Innovation.