

PROGRAM



**DEPARTMENT OF INTERNAL MEDICINE AND CLINICAL ONCOLOGY
UNIVERSITY OF BARI "ALDO MORO"**

POST-GRADUATE SPECIALIZATION SCHOOL IN "MEDICAL ONCOLOGY"



**Regione
Puglia**



**Collegio Oncologi
Medici Universitari**



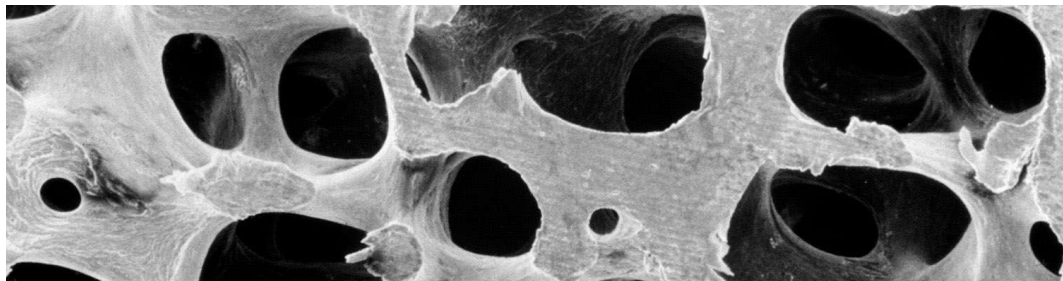
**Italian Society
of Osteonology**



**GRUPPO ONCOLOGICO
ITALIA MERIDIONALE**



Aiom con il
patrocinio della:
Associazione Italiana di Oncologia Medica



OSTEOTROPIC CANCERS:

NEW PATHOGENETIC AND CLINICAL ASPECTS

Presidents: Prof. F. Dammacco - Prof. F. Silvestris

Villa Romanazzi Carducci - Bari, September 23 - 24, 2011

Presentation

Dear Colleagues,

We are all aware that the skeleton is the third site of the human body, after liver and lung, in which the metastases occur, a phenomenon enhanced by the favorable conditions of the bone microenvironment. A number of solid cancers and hematopoietic tumors are characterized by a peculiar tropism for the bone tissue, resulting in severe morbidity and a very poor quality of life. In the last few years, however, several research groups all over the world, stimulated by this dismaying reality, have carried out important pathogenetic studies that have remarkably improved our knowledge of the basic mechanisms underlying bone devastation, thus paving the way to new therapies based on molecular and regenerative approaches. Osteoncology has indeed become a thriving and well recognized discipline.

The aim of this congress is to discuss the most recent advances in the field of osteoncology with the major Italian and foreign basic scientists and dedicated clinical investigators, who have kindly accepted our invitation to deliver state-of-the-art lectures on cutting edge topics. We sincerely thank and welcome all of them, and are confident that attendants to the meeting will enthusiastically share with us their interest for this stimulating area of clinical oncology.

Franco Dammacco, Franco Silvestris

Chairmen and Speakers

Vincenzo Adamo
(Messina, I)

Massimo Aglietta
(Turin, I)

Alberto Angeli
(Turin, I)

Paolo A. Ascierio
(Naples, I)

Nicola Baldini
(Bologna, I)

Carlo A. Barone
(Rome, I)

Paolo Bianco
(Rome, I)

Rodolfo Capanna
(Florence, I)

Sabino Ciavarella
(Bari, I)

Saverio Cinieri
(Brindisi, I)

Giuseppe Colucci
(Bari, I)

Pier Franco Conte
(Modena, I)

Franco Dammacco
(Bari, I)

Pietro De Biase
(Florence, I)

Sabino De Placido
(Naples, I)

Luigi Dogliotti
(Turin, I)

Massimo Dominici
(Modena, I)

Massimo Federico
(Modena, I)

Manlio Ferrarini
(Genoa, I)

Nicolò Gebbia
(Palermo, I)

Maria Grano
(Bari, I)

Edwin M. Horwitz
(Philadelphia, USA)

Toni Ibrahim
(Meldola, I)

Samuel M. Janes
(London, UK)

Gaetano Lanzetta
(Grottaferrata, I)

Evaristo Maiello
(S. Giovanni Rotondo, I)

Roberto Pacifici
(Atlanta, USA)

Angelo Paradiso
(Bari, I)

Camillo Porta
(Pavia, I)

G. David Roodman
(Pittsburgh, USA)

Marco Rossi
(Catanzaro, I)

Giuseppe Rubini
(Bari, I)

Nadia Rucci
(L'Aquila, I)

Christian C. Rolfo
(Palma de Mallorca, E)

Antonio Russo
(Palermo, I)

Daniele Santini
(Rome, I)

Franco Silvestris
(Bari, I)

Ester Simeone
(Naples, I)

Pierosandro Tagliaferri
(Catanzaro, I)

Steven L. Teitelbaum
(St. Louis, USA)

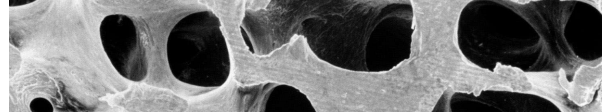
Evangelos Terpos
(Athens, GR)

Marco Tucci
(Bari, I)

Angelo Vacca
(Bari, I)

Friday 23

September



8.00 Participant registration
8.30 Presentation of the meeting
Chairmen: Franco Dammacco, Franco Silvestris

WELCOME ADDRESSES

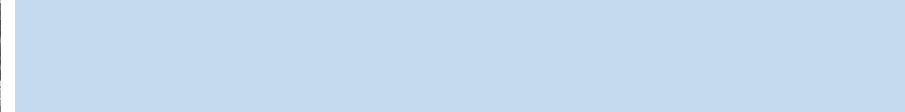
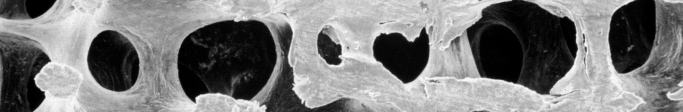
Nichi Vendola, *President of the Apulia Region*
Corrado Petrocelli, *Chancellor of the University of Bari*
Antonio Quaranta, *Dean of the School of Medicine - University of Bari*
Tommaso Fiore, *Regional Health Minister*
Vitangelo Dattoli, *Director General of the Policlinico Hospital of Bari*

Session 1

BASIC ASPECTS OF BONE PATHOPHYSIOLOGY

Chairmen: *Alberto Angeli, Maria Grano*

- 9.00 Lecture
ADVANCES IN BONE TURNOVER PHYSIOLOGY AND PATHOPHYSIOLOGY
Steven L. Teitelbaum (*St. Louis, USA*)
- 9.30 **Bone stromal cells as consensual substrate for hematopoiesis and tumor growth**
Paolo Bianco (*Rome, I*)
- 9.55 **Osteoimmunology: implications in cancer-associated bone disease**
Roberto Pacifici (*Atlanta, USA*)
- 10.20 **Hyperactive osteoclastogenesis in osteoncology: the role of dendritic cells**
Marco Tucci (*Bari, I*)
- 10.45 **Mechanisms of bone destruction by cancer cells**
Nadia Rucci (*L'Aquila, I*)
- 11.10 Discussion
Coffee break



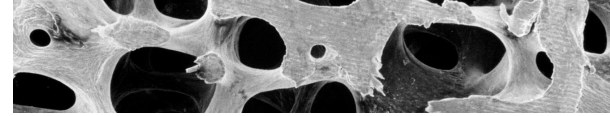
Session 2

OSTEOTROPIC TUMORS: IMPACT IN CLINICAL ONCOLOGY

Chairmen: *Giuseppe Colucci, Sabino De Placido*

- 11.30 Lecture
PRIMARY BONE TUMORS: CURRENT OPTIONS AND NEW PERSPECTIVES
Massimo Aglietta (Turin, I)
- 12.00 **Molecular characterization of breast cancer:
impact on drug development and patient management**
Pier Franco Conte (Modena, I)
- 12.25 **Gastric cancer: from new strategies to novel targets**
Carlo A. Barone (Rome, I)
- 12.50 **m-TOR inhibitors in advanced renal cancer**
Pierosandro Tagliaferri (Catanzaro, I)
- 13.15 **Bone metastatic tumors: Role of the TKR inhibitors**
Camillo Porta (Pavia, I)
- 13.40 Discussion

Light lunch



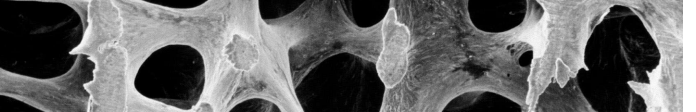
Session 3

ADVANCES IN MANAGEMENT OF BONE DEVASTATING TUMORS

Chairmen: *Evaristo Maiello, Angelo Vacca*

- 15.00 Lecture
BONE METASTATIC CANCERS: ROLE OF BISPHOSPHONATES AND CATHEPSIN-K INHIBITORS
Nicolò Gebbia (Palermo, I)
- 15.30 **Anti-RANKL MoAb (Denosumab) as novel bone-targeted therapy in osteoncology**
Daniele Santini (Rome, I)
- 15.55 **Advances in metastatic hormone-refractory prostate cancer: the role of taxoids**
Luigi Dogliotti (Turin, I)
- 16.20 **Targeting mutant b-RAF in metastatic melanoma: update and recent results**
Paolo A. Ascierto, Ester Simeone (Naples, I)
- 16.45 **Radio-metabolic treatment of skeleton metastases: beyond pain control**
Giuseppe Rubini (Bari, I)
- 17.10 Discussion

Coffee break



Session 4

HIGHLIGHTS IN ANTI-CANCER TARGETED THERAPY

Chairmen: *Saverio Cinieri, Angelo Paradiso*

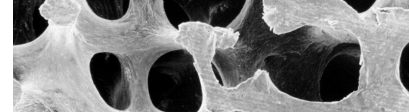
- 17.30 Lecture
**INTEGRATING TARGETED THERAPY WITH STANDARD TREATMENTS
IN LYMPHOPROLIFERATIVE DISORDERS**
Manlio Ferrarini (Genoa, I)
- 18.00 **New therapies for metastatic NSCLC**
Christian C. Rolfo (Palma de Mallorca, E)
- 18.25 **Targeted therapies in advanced colon cancer**
Vincenzo Adamo (Messina, I)
- 18.50 **Anti-EGFR therapies in advanced colon cancer**
Antonio Russo (Palermo, I)
- 19.15 **Bendamustin in lymphoid neoplasms**
Massimo Federico (Modena, I)
- 19.40 Discussion

Parallel Session

UPDATE ON OSTEONCOLOGY IN ITALY: ITALIAN SOCIETY OF OSTEONCOLOGY (ISO)

Chairmen: *Franco Silvestris, Daniele Santini, Toni Ibrahim*

- 17.30 **Osteonology project**
Toni Ibrahim (Meldola, I)
- 17.50 **Osteonology Centers**
Gaetano Lanzetta (Grottaferrata, I)
- 18.10 Discussion



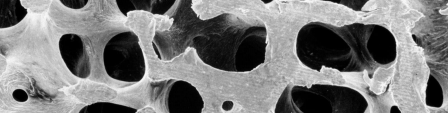
Session 5

CHALLENGES IN OSTEONCOLOGY: MYELOMA BONE DISEASE

Chairmen: *Franco Dammacco, G. David Roodman*

- 8.30 Lecture
PATHOGENETIC MECHANISMS OF MYELOMA-ASSOCIATED BONE DISEASE
G. David Roodman (Pittsburgh, USA)
- 9.00 **Zoledronate efficacy: from animal models to extended clinical data**
Evangelos Terpos (Athens, GR)
- 9.25 **Bio-molecular drugs on myeloma bone disease**
Franco Silvestris (Bari, I)
- 9.50 **Therapeutic strategies to promote bone remodeling:
the role of Bortezomib and anti-Dkk1 treatments**
Marco Rossi (Catanzaro, I)
- 10.15 **Myeloma cells suppress osteoblasts through sclerostin secretion**
Maria Grano (Bari, I)
- 10.40 Discussion

Coffee break



Session 6

CELL-BASED GENE THERAPIES IN ONCOLOGY: A NEW PERSPECTIVE

Chairmen: *Edwin M. Horwitz, Franco Silvestris*

- 11.00 Lecture
BONE REGENERATIVE MEDICINE: POTENTIAL IMPLICATIONS IN OSTEOONCOLOGY
Edwin M. Horwitz (Philadelphia, USA)
- 11.30 **Bone regeneration by stem cell growth factor scaffold: from extended experience**
Rodolfo Capanna, Pietro De Biase (Florence, I)
- 11.55 **Gene therapy: a new way to mislead cancer**
Massimo Dominici (Modena, I)
- 12.20 **Therapeutic potential of MSCs in lung metastases from breast cancer**
Samuel M. Janes (London, UK)
- 12.45 **Osteotropic nanovectors for the treatment of bone cancer**
Nicola Baldini (Bologna, I)
- 13.10 **Fetal tissues as source of cell based therapies in oncology**
Sabino Ciavarella (Bari, I)
- 13.35 Discussion
- Concluding remarks**
Franco Dammacco, Franco Silvestris

Presidents

Franco Dammacco, Franco Silvestris

DIMO, University of Bari "Aldo Moro"
Section of Internal Medicine and Clinical Oncology
P.zza Giulio Cesare, 11 - 70124 · Bari, Italy

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Scientific Organizing Committee

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Gianfranco Lauletta, Adele Nardecchia, Federico Perosa,
Vito Racanelli, Roberto Ria, Domenico E. Sansonno,
Franco Silvestris, Marco Tucci, Angelo Vacca

DIMO, University of Bari "Aldo Moro"
Section of Internal Medicine and Clinical Oncology
P.zza Giulio Cesare, 11 - 70124 · Bari, Italy

Venue

Villa Romanazzi Carducci
Via G. Capruzzi, 326 - 70124 · Bari, Italy
Ph.: +39.080.5427400

Registration

Registration is compulsory and comprises a 60,00 euro fee (VAT 20% included) to be paid to the Organizing Secretariat. Registration includes the welcome reception, congress kit, attendance at scientific sessions, coffee breaks, lunch and attendance certificate.

Continuing Medical Education (CME) Program

Credits for the CME Program of the Italian Ministry of Health have been requested for Physicians with specialties in Internal Medicine, Orthopaedics, Hematology and Oncology. Accreditation certificates will be issued subject to participation throughout the Congress, after passing the final assessment and providing the Congress Secretariat with the proper documentation.

Official language

English (optionally Italian by Italian speakers)

Organizing Secretariat



MEETING PLANNER SRL
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e-mail: info@meeting-planner.it
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Registration Form

OSTEOTROPIC CANCERS: NEW PATHOGENETIC AND CLINICAL ASPECTS
Villa Romanazzi Carlucci - Bari, September 23 - 24, 2011



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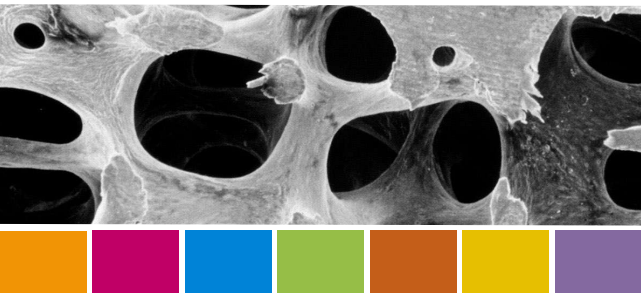
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The Scientific Organizing Committee is kindly grateful to all Sponsors whose generous contributions have made possible this Meeting.