

#### Scientific Advisory Board

Mario Balducci, Francesco Cellini,  
Stefano Luzi, Giovanna Mantini,  
Alessio Giuseppe Morganti

#### Scientific Secretary

Gian Carlo Mattiucci  
Francesco Miccichè

#### Faculty:

D. AZRIA (F), M. BAUMANN (D), J. BOURHIS (CH), E. FOKAS (D),  
V. GREGOIRE (F), K. HAUSERMANS (B), P. HOSKIN (UK),  
T. ILLIDGE (UK), P. LAMBIN (NL), J. OVERGAARD (DK),  
F. PETERS (NL), P. POORTMANS (F), L.T. TAN (UK),  
E. TROOST (D), J. VAN LOON (NL).

Albini Adriana MILANO  
Alitto Anna Rita ROMA  
Arcangeli Stefano MILANO  
Aristei Cynthia PERUGIA  
Autorino Rosa ROMA  
Azria David MONTPELLIER FR  
Baumann Michael DRESDEN D  
Belgioia Liliana GENOVA  
Boldrini Luca ROMA  
Bonomo Pier Luigi FIRENZE  
Bourhis Jean LAUSANNE CH  
Bria Emilio ROMA  
Buglione Michela BRESCIA  
Campitelli Maura ROMA  
Cellini Francesco ROMA  
Cellini Numa ROMA  
Chiesa Silvia ROMA  
Chiloiri Giuditta ROMA  
Colloca Giuseppe F. ROMA  
Corvari Barbara ROMA  
Corvò Renzo GENOVA  
De Maria M. Ruggero ROMA  
Deodato Francesco CAMPOBASSO  
Dinapoli Nicola ROMA  
Donato Vittorio ROMA  
Fiorentino Alba BARI  
Fokas Emmanouil FRANKFURT D  
Frasco Vincenzo ROMA  
Gambacorta M. Antonietta ROMA  
Genovesi Domenico CHIETI  
Gentile Piercarlo ROMA  
Grégoire Vincent LYON FR  
Hausermans Karin LEUVEN B  
Hoskin Peter LONDON UK  
Iacovelli Roberto ROMA  
Illidge Tim MANCHESTER UK  
Jerezek Barbara A. MILANO

Krengli Marco NOVARA  
Lambin Philippe MAASTRICHT NL  
Livi Lorenzo FIRENZE  
Lorusso Domenica ROMA  
Macchia Gabriella CAMPOBASSO  
Magrini Stefano Maria BRESCIA  
Manfredi Riccardo ROMA  
Manfrida Stefania ROMA  
Mantello Giovanna ANCONA  
Mantini Giovanna ROMA  
Marazzi Fabio ROMA  
Margaritora Stefano ROMA  
Massaccesi Mariangela ROMA  
Mattiucci Gian Carlo ROMA  
Meattini Icro FIRENZE  
Meldolesi Elisa ROMA  
Miccichè Francesco ROMA  
Morganti Alessio Giuseppe BOLOGNA  
Normanno Nicola NAPOLI  
Orecchia Roberto MILANO  
Overgaard Jens AARHUS DK  
Pergolizzi Stefano MESSINA  
Peters Femke LEIDEN NL  
Pirtoli Luigi SIENA  
Poortmans Philip PARIS F  
Ricardi Umberto TORINO  
Rusi Elvio CUNEO  
Salvatore Lisa ROMA  
Santoni Riccardo ROMA  
Scambia Giovanni ROMA  
Tagliaferri Luca ROMA  
Tan Li Tee CAMBRIDGE UK  
Tombolini Vincenzo ROMA  
Tortora Giampaolo ROMA  
Troost Esther DRESDEN D  
Van Loon Judith MAASTRICHT NL  
Valentini Vincenzo ROMA

#### Provider 2463

Università Cattolica del Sacro Cuore  
e-mail: raffaella.empler@unicatt.it

#### The course is accredited for:

Radiation Oncologists, Medical Oncologists

#### Program and information [www.gemelliart.it](http://www.gemelliart.it)

[claudia.dibenedetto@policlinicogemelli.it](mailto:claudia.dibenedetto@policlinicogemelli.it)

[radioterapia@policlinicogemelli.it](mailto:radioterapia@policlinicogemelli.it)

Phone +39 0630155226

#### Registration fee

250 euro – AIRO Juniores, person in training

350 euro – full registration

#### Link for registration: [http://fopecom-](http://fopecom-rm.unicatt.it/fopecomonline/default_eng.aspx?Edizione=1&IdEventto=5823)

[rm.unicatt.it/fopecomonline/default\\_eng.aspx?Edizione=1&IdEventto=5823](http://fopecom-rm.unicatt.it/fopecomonline/default_eng.aspx?Edizione=1&IdEventto=5823)

#### Venue

Policlinico Universitario A. Gemelli IRCCS

Largo A. Gemelli, 8 - 00168 Rome

Aula Brasca 4° Floor – Main Entrance

[www.unicatt.it](http://www.unicatt.it)

#### With the unconditional contribution of



GE Healthcare



UNIVERSITÀ  
CATTOLICA  
del Sacro Cuore



ART  
Advanced Radiation  
Therapy

## 29° Residential Course Modern Radiotherapy, time issues and new drugs

Rome, 21 - 23 October 2019

Aula Brasca

Policlinico Universitario A. Gemelli IRCCS

Scientific Coordinators:

Vincenzo Valentini, Maria Antonietta Gambacorta

Honorary Presidents

Carlos A. Perez, Numa Cellini

Endorsed by



Associazione Italiana  
Radioterapia e Oncologia clinica

ESTRO

## Monday, 21 October 2019

8.00 Registration  
8.45 Opening ceremony

### Opening lecture

Moderator: **R. Corvò**

9.00 The issue of time in radiotherapy treatments: the H&N model  
**J. Overgaard**

### Session 1. The issue of time and biomolecular perspective: observation & theories

Moderators: **V. Tombolini, S. Pergolizzi**

9.30 The issue of time: primary tumor growth speed **A. G. Morganti**  
9.50 The issue of time: tumor metastasis growth speed **A. Albini**  
10.10 The issue of time: tumor response speed to RT **K. Haustermans**

### 10.30 Coffee Break

11.00 The issue of time: tumor response speed to chemotherapy **R. Iacovelli**  
11.20 The flash provocation... **J. Bourhis**  
11.40 Final statement approval **S. Chiesa**

### 12.15 Keynote lecture 1

Moderator: **G. Scambia**

**The issue of time and cancer treatment: harnessing biological knowledge and clinical experience** **M. Baumann**

### 13.00 Lunch

### Session 2. The issue of time and biomolecular perspective: markers & modelling

Moderators: **R. Orecchia, R. Manfredi**

14.20 The issue of time: ctDNA as non invasive impact of breaks in Lung treatment **N. Normanno**  
14.40 The issue of time: biomarkers of normal tissue reaction **D. Azria**  
15.00 The issue of time: 4D-Radiomics and volumetric RECIST **P. Lambin**  
15.20 The issue of time: modelling primary tumor growth speed **N. Dinapoli**  
15.40 Final statement approval **E. Meldolesi**

### 16.00 Break

### 16.30 Laboratories (small groups)

The issue of time: managing treatment breaks **S. Manfredi, G.F. Colloca, F. Deodato, N. Dinapoli, A. Fiorentino, V. Frascino, E. Russi**  
The issue of time: managing RT during target/cyclin inhibitors/immuno/chemotherapy: breast, colo-rectal, lung **F. Marazzi, L. Belgioia, M. Campitelli, P. Gentile, G. Macchia, G. Mantello, L. Salvatore**  
The issue of time: generating hypothesis studies **F. Cellini, S. Arcangeli, R. Autorino, L. Boldrini, B. Corvari, D. Lorusso**

## Tuesday, 22 October 2019

### Session 3. The issue of waiting time to treatment

Moderators: **L. Livi, M.A. Gambacorta**

8.30 Waiting time to treatment: H&N cancer **V. Grégoire**  
8.50 Waiting time to treatment: breast cancer **P. Poortmans**  
9.10 Waiting time to treatment: lung cancer **E. Troost**  
9.30 Waiting time to treatment: prostate cancer **P. Hoskin**  
9.50 Waiting time to treatment: cervix cancer **T.L. Tan**  
10.10 Final statement approval **F. Miccichè**

### 10.30 Coffee Break

### 11.00 Laboratories (small groups)

The issue of time: managing treatment breaks **S. Manfredi, G.F. Colloca, F. Deodato, N. Dinapoli, A. Fiorentino, V. Frascino, E. Russi**  
The issue of time: managing RT during target/cyclin inhibitors/immuno/chemotherapy: breast, colo-rectal, lung **F. Marazzi, L. Belgioia, M. Campitelli, P. Gentile, G. Macchia, G. Mantello, L. Salvatore**  
The issue of time: generating hypothesis studies **F. Cellini, S. Arcangeli, R. Autorino, L. Boldrini, B. Corvari, D. Lorusso**

### 12.15 Keynote lecture 2

Moderator: **V. Valentini**

**The issue of time and cancer treatment: modern understanding of tumor heterogeneity** **G. Tortora**

### 13.00 Lunch

### Session 4. The issue of breaks and overall treatment time

Moderators: **A.G. Morganti, L. Pirtoli**

14.00 The issue of breaks and overall treatment time in H&N cancer **V. Grégoire**  
14.20 The issue of breaks and overall treatment time in Lung cancer **J. Van Loon**  
14.40 The issue of breaks and overall treatment time in Esophageal cancer **K. Haustermans**  
15.00 The issue of breaks and overall treatment time in Colo-rectal cancer **F. Peters**  
15.20 The issue of breaks and overall treatment time in Gyn cancer **T. L. Tan**  
15:40 Final statement approval **M. Massacesi**

### 16.00 Break

### Focus on 1: The issue of time and combination of RT and immunotherapy in metastatic setting to obtain better outcome in lung cancer

Moderators: **U. Ricardi, S. Margaritara**

16.30 The immunotherapy perspective **E. Bria**  
16.50 The RT perspective **E. Troost**  
17.10 Final statement approval **G.C. Mattiucci**

### 17.30 Laboratories (small groups)

The issue of time: managing treatment breaks **S. Manfredi, G.F. Colloca, F. Deodato, N. Dinapoli, A. Fiorentino, V. Frascino, E. Russi**  
The issue of time: managing RT during target/cyclin inhibitors/immuno/chemotherapy: breast, colo-rectal, lung **F. Marazzi, L. Belgioia, M. Campitelli, P. Gentile, G. Macchia, G. Mantello, L. Salvatore**  
The issue of time: generating hypothesis studies **F. Cellini, S. Arcangeli, R. Autorino, L. Boldrini, B. Corvari, D. Lorusso**

## Wednesday, 23 October 2019

### Focus on 2: The issue of time and combination of RT and hormone/chemotherapy in prostate metastatic setting to obtain better outcomes

Moderators: **R. Santoni, G. Mantini**

8.30 The hormone/chemotherapy perspective **R. Iacovelli**  
8.50 The RT perspective **B. Jereczek**  
9.10 Final statement approval **A.R. Alitto**

### Session 5. The issue of waiting time for evaluating local outcomes

Moderators: **M. Krengli, V. Donato**

9.30 The waiting time for local outcomes: response of Squamous Cell Carcinoma **P.L. Bonomo**  
9.50 The waiting time for local outcomes: response of Adenocarcinoma **E. Fokas**  
10.10 The waiting time for local outcomes: how long has to be the follow-up to save lives **R. De Maria Marchiano**  
10.30 The waiting time for retreatment: when it can be an issue for local control **P. Hoskin**  
10.50 Final statement approval **L. Tagliaferri**

### 11.10 Coffee Break

### Session 6. The issue of combination of RT and new drugs to avoid toxicity

Moderators: **C. Aristei, D. Genovesi**

11.30 The issue of combination of RT and targeted therapy **I. Meattini**  
11.50 The issue of combination of RT and immunotherapy **T. Illidge**  
12.10 The issue of combination of RT and hormone therapy **M. Buglione**  
12.30 Final statement approval **G. Chiloiro**

### 13.00 Keynote lecture 3

Moderator: **S. Magrini**

**The issue of time and cancer treatment: modern understanding of tumor microenvironments** **R. De Maria Marchiano**

13.45 Course conclusions

*Notes: (H&N) Head and Neck, (RT) Radiotherapy*