



**“ETTORE MAJORANA” FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE**

**Director: A.ZICHICHI**

**154<sup>th</sup> Course: International School of Medical Sciences:**

**DIRECTORS: I.CARRECA-A.ZICHICHI**

**“Evolving insights in the management of solid tumors: from molecular characterization to new therapeutic options in adult and elderly people”**

**Directors of the Course :** Ignazio Carreca, Antonio Giordano, Christian Rolfo , Antonio Russo

**Erice, (Tp) 24-26 November 2017**

### **Rationale**

The rapidly changing landscape of oncology has brought new light, and with it, new challenges to optimize therapeutic strategies for patients. Cancer is a result of the accumulation of numerous events in the cell genome. Thanks to the development of next-generation sequencing assays, we can now interrogate the cancer genome, enabling us to use the DNA sequence itself for biomarker studies in drugs development. The discovery of several key molecular drivers has resulted in landmark breakthroughs in the treatment for many solid tumors. Furthermore, in recent years, multiple strategies for eliciting and enhancing anti-tumor immunity have been developed and evaluated in different clinical studies: immunotherapy has now been clinically validated as an effective treatment for many tumor types, including melanoma, lung cancer and renal cell carcinoma. The challenges of the scientific community is facing as a consequence of this important revolution: reclassifying cancers according to biologic/phenotypic clusters relevant to clinical decision making and adapting the new insight to our routine clinical practice. The aim of modern precision medicine is to select the best treatment option for each patient at the appropriate time in the natural history of the disease, based on understanding of the tumor molecular makeup, with the ultimate objective of improving patients' survival and quality of life. In this scenario the elderly people with cancer represent a new challenge to physicians and health system in terms of assessment, management and treatment. In this regard it's crucial understanding the aging related changes, painting the idea of multimorbidity, poli-pharmacotherapy and frailty, and helping the oncologists to assess and manage the elderly people with cancer. Future work will focus on novel diagnostic techniques and predictive biomarkers that can ultimately drive the development of a new era of personalized cancer therapy.

## PROGRAMME

**FRIDAY, November, 24th**

13.30 Participant registration

### WELCOME ADDRESS

Local Authorities and Directors of the Course

Introduction to lectures

Aldo Gerbino

### 14.00 Lectures:

Art and Oncology. The care of beauty

Rodolfo Papa

Philosophy, medical sciences and human happiness

Lorella Congiunti

### 1<sup>st</sup> SESSION

#### LUNG CANCER

*Chairmen Alessandro Bertani, Corrado Ficorella, Antonio Russo*

### 15.00 Lecture:

Immunotherapy in NSCLC: novel predictive biomarkers

*David Carbone*

15.30 Oncogene-addicted NSCLC: update and perspectives

*Giuseppe Banna*

15.45 New molecular targets beyond EGFR and ALK

*Cristian Rolfo*

16.00 Liquid biopsies in lung cancer: the new ambrosia of researchers

*Marta Castiglia*

16.15 Non Oncogene-addicted NSCLC: new options and combinations strategies

*Sergio Rizzo*

### 16.30 Questions to experts

*Francesco Passiglia*

16.45 Focus on special issues:

Looking for the best immune-checkpoint inhibitors in pre-treated NSCLC pts

*Francesco Passiglia*

### 17.00 Coffee break

### 17.15 Lecture :

Carcinogenesis: Oncogenes, Tumor Suppressors, Cyclins, and Cyclin-Dependent Kinases

*Antonio Giordano*

### 2<sup>nd</sup> SESSION

#### OVARIAN CANCER (OC)

*Chairmen: Vincenzo Adamo, Michele Caruso, Silverio Tomao*

17.45 Paradigm shift in OC management: Update and perspectives

*Domenica Lorusso*

18.00 Primary surgery or neoadjuvant chemotherapy in advanced disease: Update

*Vito Chiantera*

18.15 Targeting DNA Repair Deficiency: BRCA and beyond

*Pierosandro Tagliaferri*

18.30 *PARP inhibitors in solid tumors: Where are we now and where are we going?*

*Federica Tomao*

18.45 TILs and tumor microenvironment in OC patients: *Gutta cavat lapidem?*

*Daniele Fanale*

### 19.00 Questions to experts

*Paolo Vigneri*

### 19.15 Lectures:

Epidemiology of cancer: what's new?

*Lucia Mangone*

Cardiac damage in the era of precision medicine

*Giuseppina Novo*

## SATURDAY, November 25th

### 3<sup>rd</sup> SESSION

#### GIST, NEUROENDOCRINE TUMORS and SOFT TISSUE SARCOMA

*Chairmen* Massimo Aglietta, Gianni Pantuso, Anna Russo

- 08.30 **Lecture:** Methodology of clinical studies in rare cancers *Paolo Casali*  
09.00 Management of GIST: current practice and future perspectives *Bruno Vincenzi*  
09.15 Soft Tissue Sarcoma (STS): overview of treatment *Marco Fiore*  
09.30 Focus on clinical trials: New cytotoxic agents and targeted therapies on STS *Roberta Sanfilippo*  
09.45 New findings in Neuroendocrine Tumors *Francesco Spada*  
10.00 Type of progression disease and response to targeted therapy in NET *Giuseppe Badalamenti*  
10.15 **Questions to experts** *Dario Giuffrida*
- 10.45 *Coffee break*
- 11.15 **Lecture:** Breast Cancer: Not Only a Female Disease *Laura Ottini*

### 4<sup>th</sup> SESSION

#### RENAL AND PROSTATE CANCER

##### RENAL CANCER (RC)

*Chairmen:* Biagio Agostara, Clara Natoli, Alchiade Simonato

- 11.45 Evolving scenario in RC treatment: sequence and combinations for metastatic disease *Giacomo Carteni*  
12.00 Therapeutic targets: future perspectives *Lorena Incorvaia*  
12.15 **Questions to experts** *Antonino Savarino*

##### PROSTATE CANCER

*Chairmen:* Livio Blasi, Liborio Di Cristina, Stefano Vitello

- 12.30 Advanced prostate cancer treatment: state of art *Antonio Galvano*  
12.45 Advanced prostate cancer treatment: future perspectives *Francesco Verderame*  
13.00 **Questions to experts** *Massimiliano Spada*  
13.30 *Lunch*

### 5<sup>th</sup> SESSION

#### TALKING TO THE JOURNALIST

*Chairmen:* Mauro Boldrini, Marcello Ciaccio, Sabino De Placido

- 15.00 Internet and social media in fighting cancer: enemies or allies *Vera Martinella*  
15.15 Face to face: journalists and oncologists  
*Discussants:* Massimo Aglietta, Salvatore Amato, Clara Natoli, Antonio Russo, Pierfrancesco Tassone
- 15.30 **Lecture:**  
Challenge for cancer survivorship: improving care through categorization by risk *Paolo Tralongo*

### 6<sup>th</sup> SESSION

#### COLORECTAL CANCER

*Chairmen:* Roberto Bordonaro, Fiorella Guadagni, Gaspare Gulotta

- 16.00 Advanced colorectal cancer: update and perspectives *Nico Silvestris*  
16.15 Left- and Right-Sided CRC: What is the impact on clinical decisions?  
*Face to face: Molecular biologist and oncologist's point of view* *Marta Castiglia and Fabio Fulfaro*  
16.30 **Questions to experts** *Antonio Galvano*

### 7<sup>th</sup> SESSION

#### ELDERLY PEOPLE AND CANCER

*Chairmen:* R. Bernabei, Ignazio Carreca, Calogero Caruso

- 17.00 **Lecture:** Elderly People : How to cope the "Silver Tsunami" *Roberto Bernabei*  
17.30 *The study of Centenarians Offspring as a tool to prevent cancer* *Annibale Puca*  
17.50 *Non inflammatory diet in prevention of cancer and achievement of longevity* *Giulia Accardi*  
18.10 *Centenarians as new frontier of aging* *Calogero Caruso*  
18.50 **Questions to experts** *Mario Mirisola*

**SUNDAY, November 26th**

**8.15 Lecture:** *Breast cancer in elderly people: Is there some difference?*  
Facing the existential family pain: an oncological perspective

*Ignazio Carreca*  
*Giacomo Scalzo*

**8<sup>th</sup> SESSION**

**ONCOGENETIC COUNSELLING AND LIFESTYLE MODIFICATIONS**

**Chairmen:** *A. Russo, Salvatore Vieni, Pierfrancesco Tassone*

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|-------------|--|------------------------------|
| 9.15        | <i>What's new in BRCA testing: NGS for somatic mutation detection</i>  | <i>Umberto Malapelle</i>     |
| 9.30        | Counseling patients about germline BRCA mutations  | Vivian Bazan, Valentina Calo |
| 9.45        | Risk perception and psychological distress   | Rossella De Luca             |
| 10.00       | Cancer? No thanks I am on diet.  | Mario Mirisola               |
| 10.15       | New challenges in genetic counselling in the era of patient empowerment  | Ornella Campanella           |
| 10.30       | <b>Questions to experts</b>  | Marta Castiglia              |
| 10.45       | <b>Lecture:</b> A choice conditioning: movies, smoke and unveiling   | Massimiliano Blasi           |
| 11.15       | <i>Coffee break</i>  |                              |
| 11.30-12.30 | <b>1st Workshop :</b> Behind An Active and Healthy Aging<br><i>Salvatore Amato, Biagio Agostara, Ignazio Carreca, Calogero Caruso</i>  |                              |
| 12.30-13.30 | <b>2nd Workshop:</b> Silver Economy: what means and how must be managed<br><i>Piero Angela, G. Armao, F. Coccopalmerio, Fabrizio De Nicola, M. Sargiacomo, Domenico Tramontana</i> |                              |
| 13.30-14.00 | Credit Examination and Evaluation . Directors of the Course  |                              |