



# advances in nutrition and cancer

# 3

**Istituto Nazionale Tumori** IRCCS Fondazione  
"Giovanni Pascale" Napoli

**CROM** Centro di Ricerche Oncologiche Mercogliano

**ARFACID Onlus**

Associazione di Solidarietà Sociale  
e di Promozione  
degli Studi sul Cancro,  
l'Invecchiamento  
e le Malattie Degenerative

**Dipartimento  
di Biochimica e Biofisica  
Dipartimento  
di Patologia Generale**

Facoltà di Medicina e Chirurgia  
Seconda Università degli Studi di Napoli

**Dipartimento di Medicina  
Clinica e Sperimentale  
Dipartimento  
di Endocrinologia ed Oncologia  
Molecolare e Clinica**

Facoltà di Medicina e Chirurgia  
Università degli Studi di Napoli Federico II

**Istituto di Scienze  
dell'Alimentazione - ISA**

Consiglio Nazionale delle Ricerche Avellino

**Istituto Italiano  
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Sezione di Napoli

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di Oncologia Medica

Società Italiana  
di Biochimica

Società Italiana  
di Cancerologia

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## AIMS OF THE MEETING

1. To illustrate research projects on nutrition and cancer focused on molecular biology, genetics and molecular epidemiology;
2. To provide a forum for discussion among international experts on nutrition and cancer;
3. To provide educational guidelines on nutrition and cancer in Italy and throughout Europe;
4. To propose novel strategies for chemoprevention as well as molecular epidemiology and dietary intervention programs;
5. To facilitate discussion with national and regional governments on problems related to nutrition and cancer.

## OPENING CEREMONY

**Aula Magna Università "Federico II"**

Via Partenope, 36 - Napoli

**MONDAY MAY 21**

Chairpersons: **V. Zappia** and **A. Pedicini**  
Moderator: **E. Corsi**

- 4:00 pm Welcome Addresses by Academic and Political Authorities
- 4:30 pm Nutrition and cancer: an overview  
**E. Riboli** London, UK
- 5:30 pm Awarding the "Aesculapius Medal for Cancer Research"
- 6:00 pm Concert "Sounds from tradition"  
Terra Terra Group and Polyphonic Ensemble  
Associazione Musicale Agraria - AMA
- 7:00 pm Get Together Cocktail

A service of simultaneous translation will be provided

## SCIENTIFIC SESSIONS

**Aula "Romolo Cerra", Istituto Nazionale Tumori Fondazione "Giovanni Pascale"**

Via M. Semmola - Napoli

**TUESDAY MAY 22**

9:00 am / 4:00 pm Registration

### SESSION 1: LIFE STYLE, DIET AND CANCER

- Chairpersons: **F. Salvatore** Naples, IT  
**A. Howell** Manchester, UK
- 9:30 am Obesity, physical activity and cancer  
**S.D. Hursting** Austin, USA
- 10:00 am Fruit and vegetables and cancer risk  
**T. Norat** London, UK
- 10:30 am Coffee break
- 11:00 am Aging, rapamycin, caloric restriction and cancer  
**M.V. Blagosklonny** Buffalo, USA
- 11:30 am Alcoholic beverages and carbonated soft drinks: consumption and cancer risks  
**R. Cuomo** Naples, IT
- 12:00 pm Cancer prevention and antiangiogenesis with diet derived molecules  
**A. Albini** Milan, IT
- 12:30 pm Lunch

### SESSION 2: HOT TOPICS IN DIET AND CANCER

- Chairpersons: **G. Oriani** Campobasso, IT  
**S.D. Hursting** Austin, USA
- 2:15 pm Diet, inflammation and prostate cancer: emerging insights  
**W.G. Nelson** Baltimore, USA
- 2:45 pm Vitamin D in cancer prevention: an open question  
**D. Albanes** Bethesda, USA
- 3:15 pm Selenium and cancer  
**J.E. Hesketh** Newcastle, UK
- 3:45 pm New perspective for an old antidiabetic drug: metformin as anticancer agent  
**A. Budillon** Naples, IT
- 4:15 pm Coffee break
- 4:40 pm

### ROUND TABLE LIFE STYLE PREVENTION OF CANCER RECURRENCE: THE YIN AND THE YANG

- Chairpersons: **F. Berrino** Milan, IT  
**S. De Placido** Naples, IT
- S. Panico** Naples, IT  
**D. Albanes** Bethesda, USA  
**A. Howell** Manchester, UK

**Aula "Romolo Cerra",  
Istituto Nazionale Tumori  
Fondazione "Giovanni Pascale"**

Via M. Semmola - Napoli

**WEDNESDAY MAY 23**

### SESSION 3: GENETICS AND EPIGENETICS

- Chairpersons: **G. Paolisso** Naples, IT  
**M.V. Blagosklonny** Buffalo, USA
- 9:30 am Models in studies on epigenetics, nutrition and cancer  
**P. Vineis** London, UK
- 10:00 am Learning from nature: multiple epigenetic approaches to fight cancer  
**L. Altucci** Naples, IT
- 10:30 am Coffee break
- 11:00 am Dietary epigenetics and cancer prevention  
**T.O. Tollefsbol** Birmingham, USA
- 11:30 am Nutrition in early life and risk of cancer  
**K.A. Lillycrop** Southampton, UK
- 12:00 pm Lunch

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## LUNCH SEMINAR SPONSORED BY ROCHE SPA

Chairpersons: **P. Galletti** Naples, IT  
**G. Irace** Naples, IT

1:00 pm Novel approaches in melanoma prevention and therapy  
**P.A. Ascierto** Naples, IT

## SESSION 4: NATURAL DIETARY MOLECULES AND CANCER

Chairpersons: **F. Ciardiello** Naples, IT  
**P. Vineis** London, UK

2:15 pm Nutriomes and nutrient arrays - the key to personalized nutrition for DNA damage prevention, telomere maintenance and cancer growth control?  
**M. Fenech** Adelaide, AU

2:45 pm Phytochemicals in cancer prevention and therapy  
**M. Diederich** Luxembourg, LU

3:15 pm Resveratrol from basic studies to bedside  
**F. Della Ragione** Naples, IT

3:45 pm Coffee break

4:00 pm Pleiotropic effects of quercetin against cancer  
**G.L. Russo** Avellino, IT

4:30 pm Sulforaphane as a promising molecule for fighting cancer  
**P. Hrelia** Bologna, IT

**Aula "Romolo Cerra",  
Istituto Nazionale Tumori  
Fondazione "Giovanni Pascale"**  
Via M. Semmola - Napoli  
**THURSDAY MAY 24**

## SESSION 5: NEW EMERGING BREAKTHROUGHS The "omics" approach: methodological and cost analysis

Chairpersons: **M. Caraglia** Naples, IT  
**M. Fenech** Adelaide, AU

9:30 am The human microbiome project in cancer  
**J.W. Lampe** Seattle, USA

10:00 am Epigenomics: emerging technologies in cancer prevention and treatment  
**H. Stunnenberg** Nijmegen, NL

10:30 am Metabolomics: a tool for anticancer lead-finding from natural products  
**R. Verpoorte** Leiden, NL

11:00 am Coffee break

11:30 am Concluding Remarks  
**R. Saracci** Pisa, IT

12:30 pm Lunch

## SATELLITE MEETING OLIVE OIL IN HEALTH AND DISEASE Centro Ricerche Oncologiche Mercogliano (CROM) Via Ammiraglio Bianco - Mercogliano (Avellino) **FRIDAY MAY 25**

Chairpersons: **E. Riboli** London, UK  
**M. Diederich** Luxembourg, LU

9:30 am Introduction  
**M. Mancini** Naples, IT  
**G.L. Russo** Avellino, IT

10:00 am Olive oil and other dietary lipids in breast cancer  
**E. Escrich** and  
**M. Solanas** Barcelona, ES

10:20 am Mediterranean diet, olive oil and prevention of cardiovascular disease  
**D. Lairon** Marseille, FR

10:40 am Natural antioxidants and carcinogenesis  
**S. Costantini** Mercogliano, IT

11:00 am Hydroxytyrosol and cyclosporine nephrotoxicity  
**C. Manna** Naples, IT

11:20 am Coffee Break

Chairpersons: **R. Saracci** Pisa, IT  
**T. Norat** London, UK

11:30 am Extra virgin olive oil and longevity  
**A. Trichopoulou** Athens, GR

11:50 am Mediterranean dietary pattern and chronic diseases  
**S. Panico** Naples, IT

12:10 pm Olive oil and redox system  
**G. Pagano** Avellino, IT

12:30 pm Extra virgin olive oil: from composition to molecular gastronomy  
**R. Sacchi** Naples, IT

1:00 pm Lunch and Oil Testing

## ROUND TABLE CAMPANIA EXTRA VIRGIN OLIVE OIL: REDISCOVERING TASTE AND TRADITION

Chairpersons: **L. Gambacorta** Naples, IT  
**R. Sacchi** Naples, IT

With the participation of: local and regional government representatives, stakeholders of consumer associations, producers, gastronomists and the press.