



# 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  
per gli Studi Filosofici

## PATRONAGES

Accademia  
Nazionale dei Lincei

Regione Campania

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degli Studi di Napoli

Università  
degli Studi di Napoli  
Federico II

Lega Italiana  
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contro i Tumori  
Sezione di Napoli

Associazione Italiana  
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

3:00 pm **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.