

# diabetes

Taormina, Italy, Hotel Villa Diodoro

3-5 October 2013



# Obesity, diabetes and cancer:

**the role of Insulin  
and Insulin-like  
Growth Factors**

FINAL PROGRAM

# Obesity cancer



# Obesity, diabetes and cancer: the role of Insulin and Insulin-like Growth Factors

Taormina, Italy, Hotel Villa Diodoro  
3-5 October 2013

*Dear Colleagues,*

*on behalf of the Local Organizing Committee and of the International Scientific Committee, it is our pleasure to welcome you to the International Conference 'Obesity, Diabetes and Cancer: the role of Insulin and the Insulin-like Growth Factors'.*

*In the last decade, several studies have shown that cancer is to be added to the list of chronic complications of obesity and diabetes, and that insulin resistance and disturbances in the IGF axis are major players in cancer development and prognosis in this setting.*

*At the same time, clinical trials have shown that strategies aimed to block IGF system activation are of limited benefit in the large majority of cancer patients, in spite of evidence that IGF system activation plays a role in these malignancies.*

*It is clear, therefore, that both scientists and clinicians are called to face the formidable task to try to prevent the cancer epidemics associated with the widespread increase in obesity and type 2 diabetes and to effectively target cancers associated with deranged insulin/IGF axis.*

*This Conference is intended to be a forum for epidemiologists, endocrinologists/diabetologists and oncologists as well as basic scientists who are at the forefront of their field, in order to stimulate ideas exchange and to promote collaborations among scientists and clinicians from different disciplines. We are sure that the Conference atmosphere will be ideal to promote the interaction of young scientists with leader scientists. The ultimate goal is to discuss new ways to tackle cancers sustained by abnormalities in the insulin/IGF axis.*

*We are grateful to all Colleagues and friends who have enthusiastically contributed to this scientific program and who have willingly accepted to come to Taormina for this Conference, and wish them a very pleasant staying and a fruitful work.*

**Antonino Belfiore  
Riccardo Vigneri**

**Obesity,  
diabetes  
and cancer:  
the role of Insulin  
and Insulin-like  
Growth Factors**



Taormina, Italy, Hotel Villa Diodoro  
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**UNDER THE AEGIS OF**

**ESE - European Society of Endocrinology**

**AICC - Italian Tissue Culture Society**

**AIRC - Italian Association for Cancer Research  
(Sicily and Calabria Committees)**

**SIC - Italian Cancer Society**

**SID - Italian Society of Diabetology**

**SIE - Italian Society of Endocrinology**

**Department of Clinical and Molecular Biomedicine, University of Catania**

**Health Sciences Department, University Magna Graecia of Catanzaro**

**SUPPORTED BY**



*Department of Clinical and Molecular Biomedicine  
University of Catania*



*Health Sciences Department  
University Magna Graecia of Catanzaro*



# Obesity, diabetes and cancer: the role of Insulin and Insulin-like Growth Factors

Taormina, Italy, Hotel Villa Diodoro  
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## LOCAL ORGANIZING COMMITTEE

**Antonino Belfiore**, *Professor of Endocrinology, Department of Health Sciences, University Magna Graecia of Catanzaro, Italy*

**Marcello Maggiolini**, *Professor of Pathology, University of Calabria, Rende, Cosenza, Italy*

**Katia Scotlandi**, *Chief of the CRS Development of Biomolecular Therapies, Experimental Oncology Laboratory, Rizzoli Orthopaedic Institute, Bologna, Italy*

**Riccardo Vigneri**, *Emeritus Professor of Endocrinology, Garibaldi Medical Center, Catania, Italy*

## SCIENTIFIC COMMITTEE

**Renato Baserga**, *Professor, Microbiology & Immunology, Deputy Director and Associate Director of Education & Training, Kimmel Cancer Center, Thomas Jefferson University, Philadelphia, PA, US*

**Antonino Belfiore**, *Professor of Endocrinology, Department of Health Sciences, University Magna Graecia of Catanzaro, Italy*

**Pierre De Meyts**, *Managing Director, De Meyts R&D Consulting, Kraainem, Belgium*

**Briony E. Forbes**, *Associate Professor, Discipline of Medical Biochemistry, School of Medicine, Flinders University, South Australia*

**Jeffrey MP. Holly**, *School of Clinical Science, University of Bristol, Southmead Hospital, Bristol, UK*

**Derek LeRoith**, *Director of Research, Division of Endocrinology, Diabetes and Bone Diseases, Mt. Sinai School of Medicine, New York NY, US, Director, Diabetes and Metabolism Clinical Research Center Rambam - Health Care Campus, Haifa, Israel*

**Marcello Maggiolini**, *Professor of Pathology, University of Calabria, Rende, Cosenza, Italy*

**Andrea Morrione**, *Research Associate Professor, Director of Urology Research, Department of Urology, Kimmel Cancer Center, Thomas Jefferson University, Philadelphia, PA, US*

**Rosemary O'Connor**, *Professor of Cell Biology, School of Biochemistry and Cell Biology, BioSciences Institute, University College Cork, Cork, Ireland*

**Katia Scotlandi**, *Chief of the CRS Development of Biomolecular Therapies, Experimental Oncology Laboratory, Rizzoli Orthopaedic Institute, Bologna, Italy*

**Robert J. Smith**, *Professor of Medicine, Alpert Medical School of Brown University, Providence RI, US*

**Riccardo Vigneri**, *Emeritus Professor of Endocrinology, Garibaldi Medical Center, Catania, Italy*

**Haim Werner**, *Professor and Lady Davis Chair in Biochemistry, Chair, Department of Human Molecular Genetics and Biochemistry, Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel*

**Teresa L. Wood**, *Professor & Vice Chair for Research, Dept. Neurology & Neuroscience, New Jersey Medical Sch Cancer Center, Rutgers Biomedical and Health Sciences, Newark, NJ US*

# Obesity, diabetes and cancer: the role of Insulin and Insulin-like Growth Factors



Taormina, Italy, Hotel Villa Diodoro  
3-5 October 2013

## SPEAKERS AND CHAIRMEN

### **Sebastiano Andò**

*Director, Clinical Patology School, University of Calabria, Cosenza, Italy*

### **Antonino Belfiore**

*Professor of Endocrinology, Department of Health Sciences, University Magna Graecia of Catanzaro, Italy*

### **Peter Boyle**

*President, International Prevention Research Institute - IPRI - Lyon, France*

### **Annamaria Colao**

*Professor of Endocrinology, University Federico II of Naples, Italy*

### **Pierre De Meyts**

*Managing Director, De Meyts R&D Consulting, Kraainem, Belgium*

### **Ettore degli Uberti**

*Professor of Endocrinology, Section of Endocrinology, Dept. of Medical Sciences, University of Ferrara, Italy*

### **Stefano Del Prato**

*Professor of Endocrinology, Department of Medicine, University of Pisa, Director of Diabetology Unit, Azienda Ospedaliera Pisana, Pisa, Italy*

### **Diego Ferone**

*Assistant Professor of Endocrinology, Department of Internal Medicine & Medical Specialties (DiMI) and Center of Excellence for Biomedical Research (CEBR), IRCCS AOU San Martino-IST, University of Genova, Italy*

### **Briony E. Forbes**

*Associate Professor, Discipline of Medical Biochemistry, School of Medicine, Flinders University, South Australia*

### **Francesco Frasca**

*Associate Professor of Endocrinology, Molecular and Clinic Biomedicine Dept., Endocrinology Unit, University of Catania, Garibaldi Nesima Medical Center, Catania, Italy*

### **Francesco Giorgino**

*Professor of Endocrinology, Head, Section of Internal Medicine, Endocrinology, Andrology and Metabolic Diseases, Dept. of Emergency and Organ Transplantation, University of Bari, Chief, Division of Endocrinology, University Hospital Policlinico, Bari, Italy*

### **Leonard Girnita**

*Associate Professor of Pathology, Department of Oncology and Pathology, Karolinska Institute and Karolinska Hospital, Stockholm, Sweden*

### **Bo Falck Hansen**

*Insulin Biology, Novo Nordisk A/S, Måløv, Denmark*



# Obesity, diabetes and cancer: the role of Insulin and Insulin-like Growth Factors

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## SPEAKERS AND CHAIRMEN

### **Jeffrey MP. Holly**

*School of Clinical Science, University of Bristol, Southmead Hospital, Bristol, UK*

### **Stephen D. Hursting**

*Professor, Academic Chair and McKean-Love Endowed Chair, Department of Nutritional Sciences, University of Texas at Austin and Professor of Molecular Carcinogenesis, UT-MD Anderson Cancer Center, Dell Pediatric Research Institute, Austin, TX, US*

### **Hassan Issafras**

*Senior Scientist, XOMA Corporation, Berkeley CA*

### **Joseph A.M.J.L. Janssen**

*Associate Professor Erasmus MC, Department of Internal Medicine, Rotterdam, The Netherlands*

### **Adrian V. Lee**

*Adjunct Professor Department of Human Genetics, University of Pittsburgh, Director, Women's Cancer Research Center, University of Pittsburgh Cancer Institute, Professor, Department of Pharmacology & Chemical Biology, University of Pittsburgh, PA, US*

### **Derek LeRoith**

*Director of Research, Division of Endocrinology, Diabetes and Bone Diseases, Mt. Sinai School of Medicine, New York NY, US, Director, Diabetes and Metabolism Clinical Research Center Rambam - Health Care Campus, Haifa, Israel*

### **Marcello Maggiolini**

*Professor of Pathology, University of Calabria, Rende, Cosenza, Italy*

### **Andrea Morrione**

*Research Associate Professor, Director of Urology Research, Department of Urology, Kimmel Cancer Center, Thomas Jefferson University, Philadelphia, PA, US*

### **Rosemary O'Connor**

*Professor of Cell Biology, School of Biochemistry and Cell Biology, BioSciences Institute, University College Cork, Cork, Ireland*

### **Michael Pollak**

*Director, Division of Cancer Prevention, Department of Oncology, McGill University, Alexander-Goldfarb Research Chair in Medical Oncology, McGill University, Professor, Departments of Medicine and Oncology, McGill University, Montreal, Quebec, Canada*

### **Silvia Savastano**

*Assistant Professor, Endocrinology, University Federico II of Napoli, Italy*

### **Katia Scottlandi**

*Chief of the CRS Development of Biomolecular Therapies, Experimental Oncology Laboratory, Rizzoli Orthopaedic Institute, Bologna, Italy*

# Obesity, diabetes and cancer: the role of Insulin and Insulin-like Growth Factors



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## SPEAKERS AND CHAIRMEN

### **Giorgio Sesti**

*Professor Internal Medicine, University Magna Graecia of Catanzaro, Italy*

### **Robert J. Smith**

*Professor of Medicine, Alpert Medical School of Brown University, Providence RI, US*

### **Eva Surmacz**

*Director, Obesity and Cancer Program, Sbarro Institute for Cancer Research and Molecular Medicine, Professor in Biology, Temple University, Philadelphia, US*

### **Shin-Ichiro Takahashi**

*Associate Professor, Laboratory of Cell Regulation, Departments of Animal Sciences and Applied Biological Chemistry Graduate School of Agriculture and Life Sciences, The University of Tokyo, Japan*

### **Francesco Trimarchi**

*Professor of Endocrinology, Director of the Endocrinology School University of Messina, Italy*

### **Riccardo Vigneri**

*Emeritus Professor of Endocrinology, Garibaldi Medical Center, Catania, Italy*

### **Giovanni Vitale**

*Department of Clinical Sciences and Community Health (DISCCO), University of Milan, Istituto Auxologico Italiano IRCCS, Milan, Italy*

### **Haim Werner**

*Professor and Lady Davis Chair in Biochemistry, Chair, Department of Human Molecular Genetics and Biochemistry, Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel*

### **Teresa L. Wood**

*Professor & Vice Chair for Research, Dept. Neurology & Neuroscience, New Jersey Medical Sch Cancer Center, Rutgers Biomedical and Health Sciences, Newark, NJ US*

### **Maria Chiara Zatelli**

*Researcher in Endocrinology, Section of Endocrinology, Dept. of Medical Sciences, University of Ferrara, Italy*

# cancer



# Obesity, diabetes and cancer: the role of Insulin and Insulin-like Growth Factors

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## THURSDAY, OCTOBER 3

**12.00** Registration

**13.30** Welcome and Meeting's Introduction

**Chairmen:** *Francesco Trimarchi, Teresa L. Wood*

**14.00** OPENING LECTURE

Insulin and IGF signaling: critical dysregulations  
in carcinogenesis

**Derek LeRoith**

**14.45** Discussion

### SESSION I

#### Obesity and cancer

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**Chairmen:** *Stefano Del Prato, Jeffrey MP. Holly*

#### Controversies: epidemiological evidences

**15.00** Serum insulin and C-peptide concentration  
and breast cancer

**Peter Boyle**

**15.15** Insulin as a growth factor: a role in cancer?

**Riccardo Vigneri**

**15.30** General discussion

**15.45** Obesity, insulin resistance and cancer:  
mechanistic insights from transdisciplinary studies

**Stephen D. Hursting**

**16.05** Discussion

**16.15** *Coffee break*



# Obesity, diabetes and cancer: the role of Insulin and Insulin-like Growth Factors



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## THURSDAY, OCTOBER 3

**Chairmen:** *Francesco Giorgino, Stephen D. Hursting*

**16.45** Obesity and cancer: focus on leptin and adiponectin  
*Eva Surmacz*

**17.05** Discussion

### **17.15** SHORT TALKS

METFORMIN AS A POTENT ANTI ANGIOGENIC FACTOR:  
FROM DIABETES TO CANCER

**Noonan Douglas M.**, *Biotechnology and Life Sciences Dept., University of Insubria  
and MultiMedica IRCCS, Italy*

INSULIN ANALOG X10 AND IGF-1 INCREASE GROWTH OF COLON  
CANCER ALLOGRAFTS IN MICE WITH DIET-INDUCED OBESITY  
AND HYPERINSULINEMIA

**Hvid Henning**, *Diabetes Research Unit, Novo Nordisk A/S, Denmark*

ER $\alpha$  SIGNALING INTERFERES WITH ADIPONECTIN EFFECTS  
ON BREAST CANCER CELL GROWTH

**Mauro Loredana**, *Department of Pharmacy, Health and Nutritional Sciences,  
University of Calabria, Arcavacata di Rende (CS), Italy*

ADIPONECTIN-INDUCED APOPTOSIS IS PARALLELED BY OXIDATIVE  
STRESS IN LUNG ADENOCARCINOMA A549 CELLS

**Stiuso Paola**, *Dept. of Biochemistry, Biophysics and General Pathology,  
II University of Napoli-Italy*

**Chairmen:** *Eva Surmacz, Chiara Zatelli*

### **Meet the expert Symposium: The GH-IGF axis in obesity and diabetes**

**18.15** The GH-IGF axis in obese patients  
*Silvia Savastano*

**18.35** Role of the GH-IGF-Insulin system in longevity  
*Giovanni Vitale*

**18.55** Discussion

**19.00** End of 1<sup>st</sup> day



# Obesity, diabetes and cancer: the role of Insulin and Insulin-like Growth Factors

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## FRIDAY, OCTOBER 4

### SESSION II

#### Diabetes and cancer

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##### ROUND TABLE:

##### Insulin analogs and agonists: implications in cancer

**Chairmen:** *Robert J. Smith, Riccardo Vigneri*

- 08.30** Insulin analogs: why they are safe  
*Robert J. Smith*
- 08.50** Insulin analogs: a note of caution  
*Joseph A. Janssen*
- 09.10** Insulin analogs: new directions  
*Francesco Giorgino*
- 09.30** The clinical implications of insulin analogs use  
*Stefano Del Prato*
- 09.50** Mitogenic effects of insulin X10 (\*)  
*Bo Falck Hansen*
- 10.10** Selective Regulation of the Insulin Receptor by Human  
Allosteric Monoclonal Antibodies (\*)  
*Hassan Issafras*
- 10.30** General Discussion
- 10.50** *Coffee break*

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## FRIDAY, OCTOBER 4

**Chairmen:** Derek LeRoith, Giorgio Sesti

11.20

### SHORT TALKS

PDLIM2 REGULATES MIGRATION, PROLIFERATION AND DIFFERENTIATION OF NORMAL AND TUMOUR BREAST EPITHELIAL CELLS

**Cox Orla T., Kiran-Deevi Ravi, O'Connor Rosemary,** *Cell Biology Lab, Department of Biochemistry, Biosciences Institute, University College Cork, Cork, Ireland*

HYPERGLYCAEMIA-INDUCED RESISTANCE OF BREAST CANCER CELLS TO CHEMOTHERAPY IS DEPENDENT ON IGF1P-2/ESTROGEN RECEPTOR INTERACTIONS

**Perks Claire,** *University of Bristol, UK*

IDENTIFICATION AND CHARACTERIZATION OF A NOVEL INSULIN-LIKE GROWTH FACTOR 1 RECEPTOR GENE HETEROZYGOUS MUTATION IN A CHILD WITH GROWTH FAILURE

**Solomon Zemler Ravid,** *Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel*

DISCOIDIN DOMAIN RECEPTOR 1 INTERACTS WITH INSULIN-LIKE GROWTH FACTOR 1 RECEPTOR AND MODULATES ITS ONCOGENIC ROLE IN BREAST CANCER CELLS

**Malaguarnera R., Morcavallo A., \*Nicolosi M.L., Sacco A., Stefanello M., Belfiore A.,** *Endocrinology, Department of Health, University of Catanzaro, Italy.*

*\*Endocrinology Unit, Department of Internal Medicine and Medical Specialties, University of Catania, Italy*

INSULIN RECEPTOR KNOCK-DOWN LEADS TO REDUCTION IN CD24+ TUMORIGENIC CELLS AND MAMMARY TUMOR GROWTH

**Rostoker Ran,** *Clinical Research Institute at Rambam (CRIR) and the Faculty of Medicine, Technion, Haifa, Israel*

THERAPEUTIC EFFECT OF METFORMIN ON HEDGEHOG-DEPENDENT TUMORS VIA GLUCOSE-MEDIATED PHOSPHORYLATION OF GLI1

**Di Magno Laura, Basile Alessio, Antonucci Laura, D'Amico Davide, Di Marcotullio Lucia, Ferretti Elisabetta, De Smaele Enrico, Gulino Alberto, Canetti Gianluca,** *Department of Molecular Medicine, University "La Sapienza", Roma, Italy*



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## FRIDAY, OCTOBER 4

- 12.20** Hyperglycaemia-induced perturbations to the IGF/insulin pathway in epithelial cancers  
*Jeffrey MP. Holly*
- 12.40** Discussion
- 12.50** The interplay of insulin, IGFs, insulin analogues and metformin in regulating the cell cycle in mitogenesis (\*)  
*Pierre De Meyts*
- 13.10** Discussion
- 13.20** Lunch

### SESSION III

#### Insulin and IGFs signaling in cancer

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*Chairmen: Annamaria Colao, Katia Scotlandi*

- 14.00** Mechanisms of regulation of IGF-IR gene expression: focus on transcriptional and epigenetic levels  
*Haim Werner*
- 14.20** Discussion
- 14.30** Actions of IR ligands in the regulation of IR trafficking  
*Andrea Morrione*
- 14.50** Discussion
- 15.00** IGF system signaling crosstalk with integrins and cancer metastases  
*Rosemary O'Connor*
- 15.20** Discussion
- 15.30** Coffee break

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## FRIDAY, OCTOBER 4

**Chairmen:** *Briony E. Forbes, Andrea Morrione*

**16.00** The role of the IGF system in stem cells  
and cancer stem cells

*Teresa L. Wood*

**16.20** Discussion

**16.30** Regulation of intracellular localization of IRS proteins  
and insulin-like bioactivities

*Shin-Ichiro Takahashi*

**16.50** Discussion

### **17.00** SHORT TALKS

IDENTIFICATION OF TUMOR PROTECTING PATHWAYS IN LARON  
SYNDROME PATIENTS

**Lena Lapkina**, *Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel*

IN VITRO CULTURE CONDITIONS AFFECT SURFACE INSULIN  
RECEPTOR EXPRESSION LEVELS

**Lützen Anne**, *Novo Nordisk A/S, Maaloev, Denmark*

REGULATION OF IGF1R GENE EXPRESSION AND ACTION BY  
THE ANDROGEN-REGULATED FUSION PROTEIN TMPRSS2-ERG  
IN PROSTATE CANCER

**Meisel Sharon Shilhav**, *Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel.*

DISCOVERY OF A FUNCTIONAL SNP IN AN ESTROGEN RECEPTOR  
BINDING SITE IN THE IGF1R GENE

**Bahreini Amir, Santanas Lucas, Benos Panayiotis V., Rae James, Lee Adrian V.,  
Oesterreich Steffi**, *University of Pittsburgh Cancer Institute, Pittsburgh, PA, US*

CYTOSKELETON TO NUCLEAR TRANSLOCATION OF PDLIM2  
IS REGULATED BY SERINE DE-PHOSPHORYLATION IN AN  
ADHESION-DEPENDENT MANNER

**O'Flanagan Ciara<sup>(1)</sup>, Cox Orla<sup>(1)</sup>, Buckley Deirdre<sup>(1)</sup>, Kiely Patrick<sup>(1)</sup>,  
O'Connor Rosemary<sup>(1)</sup>**

<sup>(1)</sup> *Department of Biochemistry, University College Cork, Cork, Ireland*

<sup>(2)</sup> *Department of Life Sciences, University of Limerick, Ireland*



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## FRIDAY, OCTOBER 4

**Chairmen:** *Ettore degli Uberti, Francesco Frasca*

### Meet the expert Symposium. The neuroendocrine tumors: the IGF axis and implications for therapy

- 18.00** Dysregulation of the IGF axis in neuroendocrine tumors  
*Annamaria Colao*
- 18.15** The role of IGF-I in medullary thyroid cancer  
*Maria Chiara Zatelli*
- 18.30** Somatostatin analogs in the therapy  
of neuroendocrine tumors  
*Diego Ferone*
- 18.45** Discussion
- 19.00** End of 2<sup>nd</sup> day

Obesity,  
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## SATURDAY, OCTOBER 5

### SESSION IV

#### New blocking strategies for IGFs and insulin signaling

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*Chairmen: Antonino Belfiore, Rosemary O'Connor*

- 08.30** Biasing IGF-IR signaling through G-protein coupled receptors. Therapeutic implications for cancer treatment  
*Leonard Girnita*
- 08.50** Discussion
- 09.00** The non-classical sex steroid receptor GPER is implicated in IGF/insulin signaling  
*Marcello Maggiolini*
- 09.20** Discussion
- 09.30** The IGF-IR as a secondary target in chemo-resistant patients  
*Katia Scottandi*
- 09.50** Discussion
- 10.00** Targeting the insulin-like growth factor receptor: developing biomarkers  
*Adrian V. Lee*
- 10.20** Discussion
- 10.30** *Coffee break*



# Obesity, diabetes and cancer: the role of Insulin and Insulin-like Growth Factors

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## SATURDAY, OCTOBER 5

**Chairmen:** *Adrian V. Lee, Sebastiano Andò*

11.00

### SHORT TALKS

IGF BINDING PROTEIN-3 (IGFBP-3) HAS A CENTRAL ROLE IN MODULATING THE BREAST CANCER CELL RESPONSE TO DNA DAMAGE

**Baxter Robert**, *Kolling Institute of Medical Research, University of Sydney, Australia*  
BIOMARKERS OF RESISTANCE TO IGF-1R TARGETED THERAPIES IN OVARIAN CANCER

**Fernandez Isabel, O'Shea Sandra, Lyons Amy, Addario Barbara, McCabe Nuala, Keating Karen, Kenned Richard y and O'Connor Rosemary**, *Cell Biology Laboratory, Department of Biochemistry, University College Cork and Almac Diagnostics Ltd, Craigavon, Northern Ireland*

THE SELECTIVE INHIBITOR OF IRS1/2 NT157 IS EFFECTIVE AGAINST PROLIFERATION AND MIGRATION OF OSTEOSARCOMA CELL LINES

**Garofalo C., Capristo M., Contaldo C., and Scotlandi K.**, *CRS Development of Biomolecular Therapies, Experimental Oncology Laboratory, Rizzoli Orthopaedic Institute, Bologna, Italy*

POSSIBLE ROLE OF IGF-1 IN THE CONTROL OF NON FUNCTIONING PITUITARY ADENOMAS CELL GROWTH

**Minoia Mariella**, *Dept. of Medical Sciences, Endocrinology Unit. University of Ferrara, Italy*

IGF-I PROLIFERATIVE EFFECTS ARE INHIBITED BY TARGETING PKC IN HUMAN ENDOCRINE TUMOR CELLS

**Molè Daniela**, *Dept. of Medical Sciences, University of Ferrara, Italia*

A ROLE FOR IGFBP2 IN THE REGULATION OF EPITHELIAL INVASION

**Pickard Adam**, *Centre for Cancer Research and Cell Biology, Queen's University Belfast, Belfast, UK*



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## SATURDAY, OCTOBER 5

- 12.00** Towards development of modified IGFBP-2 as a tumor inhibitor  
*Briony E. Forbes*
- 12.20** Discussion
- 12.30** Targeting the insulin- IGF receptor family in oncology: explaining the discrepancies between lab and clinic. Perspectives of IGF target therapy  
*Michael Pollak*
- 13.00** Discussion
- 13.10** Closing remarks  
*Antonino Belfiore, Riccardo Vigneri*
- 13.30** End of the Meeting, CME Testing

cancer



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## GENERAL INFORMATION

### CONGRESS VENUE

#### Hotel Villa Diodoro

Via Bagnoli Croci, 75 - 98039 Taormina  
Tel. + 39.0942.23312 - Fax +39.0942.23391  
www.gaishotels.com

### BADGES

Participants are requested to wear their congress badge during all sessions, coffee breaks and launches.

### INTERNET CONNECTION

All the Congress Venue is wifi area - no codes are requested.

### REGISTRATION DESK AND SLIDE CENTER

The Registration desk and the slide center will be open as follows:

**Thursday October 3** from 12.00 to 19.00

**Friday October 4** from 08.00 to 19.00

**Saturday October 5** from 08.00 to 14.00

### ITALIAN CME CREDITS (N. 12)

Accredited categories: **Medical Doctor** (Endocrinology; Food Science and Dietetics; General Surgery; Geriatrics; Hygiene, Epidemiology and Public Health; Hygiene of Food and Nutrition; Internal Medicine; Metabolic Diseases and Diabetology; Oncology; Pharmacology and Clinical Toxicology); **Community pharmacist, Hospital pharmacist, Biologist.**

Provider I&C srl n. 1740

ID ECM: 1740-69325

*(\*) Presentation not CME Credited*

### OFFICIAL LANGUAGE

Official Language during the scientific Session: English.  
No Simultaneous Translation will be provided.

# Obesity, diabetes and cancer: the role of Insulin and Insulin-like Growth Factors



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## SPEAKERS PRESENTATIONS

The authorized Presentations will be available on [www.odc-taormina2013.com](http://www.odc-taormina2013.com), after the meeting.

## REGISTRATION AND FEE (VAT INCLUDED)

	LATE REGISTRATION From 1 september 2013
Physician	Euros 300,00
Physician under 32	Euros 180,00
Resident-Student (only 30 registrations available)	Euros 0,00

## HOTEL ACCOMODATION AND FURTHER INFO

[www.odc-taormina2013.com](http://www.odc-taormina2013.com)

## HOW TO REACH THE CONGRESS VENUE

The Hotel Villa Diodoro is located far from the traffic of the city, but a 5 minute walk to the historical center, right next to the superb Public Garden of the Villa Comunale.

From **Catania Airport** (55 km) take the Motorway A18 Catania-Messina, exit Taormina and follow the signs to Taormina Centro. Go straight on for about 3 kms, until you reach "Porta Messina" in Taormina downtown, turn right onto Via Circonvallazione until you reach "Porta Catania". Then take the Via Roma first and Via Bagnoli Croci immediately after. The Hotel is located on the right side of the street, just next to the city gardens.

**Railway Station Giardini Naxos** is 3 km away; the **Motorway A18 Catania-Messina** is 5 km away; the **Catania Fontanarossa Airport** is 55 km away and the **Messina Seaport** is 40 km away.

A free parking area is available at about 500 mt from the Hotel.

## ORGANIZING SECRETARIAT



**I&C SRL**

via Andrea Costa 202/6 - 40134 Bologna  
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[alessandra.bolognini@iec-srl.it](mailto:alessandra.bolognini@iec-srl.it)

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