



«ETTORE MAJORANA»
FOUNDATION AND CENTRE
FOR SCIENTIFIC CULTURE
INTERNATIONAL SCHOOL
OF UROLOGY AND NEPHROLOGY



SIUrO

Società Italiana di Urologia Oncologica

«ETTORE MAJORANA» FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE

*to pay a permanent tribute to Galileo Galilei, founder of modern science
and to Enrico Fermi, "the italian navigator", father of the weak forces*

INTERNATIONAL SCHOOL OF UROLOGY AND NEPHROLOGY

14th Course: Advances in Urological Oncology “Prostate Cancer: from Molecular and Cellular Biology to Therapeutic Advancement”

The Course will be held under the auspices of: • Italian Society of Urological Oncology (SIUrO) • University of Palermo
• University of Bologna • Faculty of Medicine of the Catholic University of the Sacred Heart of Rome • Italian Ministry of Health
• Italian Ministry for Instruction, University and (Scientific) Research • Sicilian Regional Government • World Federation of Scientists

PURPOSE OF THE COURSE

The purpose of the Course is to provide state of the art knowledge and future perspectives on basic and translational research, pathology and advanced therapeutic strategies of prostate cancer in a multidisciplinary approach. Scientific sessions will include interactive discussions between the faculty and the participants. International experts in research and clinical management of prostate cancer will share their views and experience with the audience. The Course is the fourth of a series of courses held under the aegis of the Italian Society of Urological Oncology.

SCIENTIFIC PRELIMINARY PROGRAMME

Prostate cancer stem cell biology. Epithelial-mesenchymal-transition and evolution of neoplastic cells. Role of microRNAs in cancerogenesis. Functional gene profiling in prostate cancer. Biomarkers. Pitfalls and problems in histopathological evaluation of biopsy. Definition of CRPC and androgen independence. AR pathway in HDPC and CRPC. GnRH-R in prostate cancer: from cell biology to targeted therapeutic strategies. Diagnostic and therapeutic work-up in recurrent disease. First line therapies in CRPC. New AR binding agents. New agents in CRPC. Bone health, skeletal related events and new bone targeting agents. Active surveillance. Prostate Cancer Units.

GENERAL INFORMATION

• Person wishing to attend the Course should write, within December 20th 2012 to: Prof. Michele Pavone-Macaluso c/o E.DI.PO. s.r.l.
Via Libertà, 103 - Palermo - fax +39 091 6251719 - michpav@tin.it - edi.po@tiscali.it, specifying: • date and place of birth, together with present nationality • degree and other academic qualifications • present position and place of work, address and e-mail.

• Accreditation for Continuing Medical Education (by the Italian Ministry of Health (ECM: <i>Educazione Continua in Medicina</i>) will be applied.	• The registration fee for participants € 2.200,00 plus VAT, to be paid within February 10 th , 2013 to the Organising Secretariat – is inclusive of: scientific session, transfer from airport (Palermo or Trapani) to Erice and viceversa, lodging on full board basis and social events.	• Payment by bank draft (bank fees at your charge) Bank: Unicredit, Ag. 7 – Palermo IBAN: IT 66 X 02008 04696 000300353901 Swift Code (BIC): UNCRITM1I53 Beneficiary: E.DI.PO. s.r.l Via Libertà, 103 – 90143 Palermo.
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IIAR website: www.iilar-anticancer.org
- **Selection of Recent Articles**

Gene Expression and Protein Array Studies of Folliculin-regulated Pathways. A. REIMAN, X. LU, L. SEABRA, U. BOORA, M.S. NAHORSKI, W. WEI, E.R. MAHER (*Birmingham, UK*)

LATS2 Is a Modulator of Estrogen Receptor Alpha. L.C. LIT, S. SCOTT, H. ZHANG, J. STEBBING, A. PHOTIOU, G. GIAMAS (*London, UK*)

Evaluating Antigen Targeting and Anti-tumor Activity of A New Anti-CD37 Radioimmunoconjugate Against Non-Hodgkinlymphoma. J. DAHLE, A.H.V. REPETTO-LLAMAZARES, C.S. MOLLATT, K.B. MELHUS, Ø.S. BRULAND, A.KOLSTAD, R.H. LARSEN (*Oslo, Norway*)

Pre- and Postoperative Treatment Modalities for Esophageal Squamous Cell Carcinoma. C.M.R. THALLINGER, B. KIESEWETTER, M. RADERER, M. HEJNA (*Vienna, Austria*)

Utility of Hypertension as a Surrogate Marker for Efficacy of Antiangiogenic Therapy in NSCLC. T. EVANS (*Philadelphia, PA, USA*)

Biomarkers of Pituitary Neoplasms. A. SAV, F. ROTONDO, L.V. SYRO, B.W. SCHEITHAUER, K. KOVACS (*Istanbul, Turkey; Toronto, ON, Canada; Medellin, Colombia; Rochester, MN, USA*)

Recognition of a Natural WT1 Epitope by a Modified WT1 Peptide-specific T-Cell Receptor. T. TAMANAKA, Y. OKA, F. FUJIKI, A. TSUBOI, A. KATSUHARA, H. NAKAJIMA, N. HOSEN, S. NISHIDA, Y.-H. LIN, S. TACHINO, Y. AKATSUKA, K. KUZUSHIMA, Y. OJI, A. KUMANOGOH, H. SUGIYAMA (*Osaka; Toyoake; Nagoya, Japan*)

Antitumor Effects of Synthetic 6,7-Annulated-4-substituted Indole Compounds in L1210 Leukemic Cells In Vitro. J.-P.H. PERCHELLET, A.M. WATERS, E.M. PERCHELLET, P.D. THORNTON, N. BROWN, D. HILL, B. NEUNSWANDER, G.H. LUSHINGTON, C. SANTINI, N. CHANDRASOMA, K.R. BUSZEK (*Manhattan; Lawrence, KS; Kansas City, MO, USA*)

Protein Kinase C Regulates Bombesin-induced Rapid VEGF Secretion in Neuroblastoma Cells. C. SCHLEGEL, P. PAUL, S. LEE, K.W. KIM, N. COLON, J. QIAO, D.H. CHUNG (*Nashville, TN, USA*)

Nutrition in Adult and Childhood Cancer: Role of Carcinogens and Anti-carcinogens. T.T. MOSBY, M. COSGROVE, S. SARKARDEI, K.L. PLATT, B. KAINA (*Memphis, TN, USA; Mainz, Germany*)

Successful Rechallenge for Oxaliplatin Hypersensitivity Reactions in Patients with Metastatic Colorectal Cancer. T. YANAI, S. IWASA, H. HASHIMOTO, K. KATO, T. HAMAGUCHI, Y. YAMADA, Y. SHIMADA, H. YAMAMOTO (*Tokyo, Japan*)

Viral and Molecular Aspects of Oral Cancer. N.S. HILLBERTZ, J.-M. HIRSCH, J. JALOULI, M.M. JALOULI, L. SAND (*Uppsala, Sweden*)

Glucocorticoids Augment Survival and Proliferation of Tumor Cells. S. GÖNDISCH, E. BOECKELER, U. BEHRENDTS, E. AMTMANN, H. EHRHARDT, I. JEREMIAS (*Munich; Heidelberg, Germany*)

Coumarin-based Benzopyranone Derivatives Induced Apoptosis in Human Lung (A549) Cancer Cells. M.A. MUSA, V.L.D. BADISA, L.M. LATINWO, T.A. PATTERSON, M.A. OWENS (*Tallahassee, FL, USA*)

siPGK1 Sensitizes Chemoresistant Human Ovarian Cancer Cell Lines to Cisplatin. C. LEPLEUX, E. ABEILARD-LEMOISSON, M. DUVAL, P. ICARD, H. LINCET (*Caen, France*)

Immunohistochemical Expression of PTTG in Brain Tumors. F. SALEHI, B.W. SCHEITHAUER, S. SHARMA, K. KOVACS, R.V. LLOYD, M.D. CUSIMANO, D.G. MUÑOZ (*Toronto, ON, Canada; Rochester, MN, USA*)

Silencing of The ARP2/3 Complex Disturbs Pancreatic Cancer Cell Migration. H.E. RAUHALA, S. TEPOO, S. NIEMELÄ, A. KALLIONIEMI (*Tampere, Finland*)

Anticancer Efficacy of the Metabolic Blocker 3-Bromopyruvate: Specific Molecular Targeting. S. GANAPATHY-KANNIAPPAN, R. KUNJITHAPATHAM, J.-F. GESCHWIND (*Baltimore, MD, USA*)

Liver-metastatic Potential of Colorectal Cancer Is Related to the Stromal Composition of the Tumour. H. NYSTROM, P. NAREDI, A. BERGLUND, R. PALMQVIST, B. TAVELIN, M. SUND (*Umeå, Sweden*)

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A Selection of Recent Papers

Metastatic Biomarker Discovery Through Proteomics. L.T. BRINTON, T.A. BRENTNALL, J.A. SMITH, K.A. KELLY (*Charlottesville, VA; Seattle, WA, USA*)

Genetically Engineered Fusion Proteins for Treatment of Cancer. U.H. WEIDLE, B. SCHNEIDER, G. GEORGES, U. BRINKMANN (*Penzberg, Germany*)

Identification of Differentially Expressed Proteins from Primary vs. Metastatic Pancreatic Cancer Cells Using Subcellular Proteomics. K.Q. MCKINNEY, J.-G. LEE, D. SINDRAM, M.W. RUSSO, D.K. HAN, H.L. BONKOVSKY, S.-I. HWANG (*Charlotte, NC; Farmington, CT, USA*)

Review: Are we Missing the Target? – Cancer Stem Cells and Drug Resistance in Non-small Cell Lung Cancer. S. GOTTSCHLING, P.A. SCHNABEL, F.J.F. HERTEL, E. HERPEL (*Heidelberg, Germany*)

Identification of Markers Associated with Highly Aggressive Metastatic Phenotypes Using Quantitative Comparative Proteomics. M.G. TERP, R.R. LUND, O.N. JENSEN, R. LETH-LARSEN, H.J. DITZEL (*Odense, Denmark*)

Review: Breast Cancer and Metastasis: On the Way Toward Individualized Therapy. A.P. TRAPÉ, A.M. GONZALEZ-ANGULO (*Houston, TX, USA*)

In Silico Functional Profiling of Individual Prostate Cancer Tumors: Many Genes, Few Functions. I.P. GORLOV, J. BYUN, C.J. LOGOTHETIS (*Houston, TX, USA*)

Expression of Signal-induced Proliferation-associated Gene 1 (SIPA1), a RapGTPase-activating Protein, is Increased in Colorectal Cancer and has Diverse Effects on Functions of Colorectal Cancer Cells. K. JI, L. YE, A.-M. TOMS, R. HARGEST, T.A. MARTIN, F. RUGE, J. JI, W.G. JIANG (*Cardiff, UK; Beijing, PR China*)

Single Nucleotide Polymorphisms of Genes for EGF, TGF- β and TNF- α in Patients with Pancreatic Carcinoma. L. ZHANG, G. WU, F. HERRLE, M. NIEDERGETHMANN, M. KEESE (*Frankfurt; Heidelberg, Germany; Xiamen, PR China*)

Diagnostic MicroRNA Markers to Screen for Sporadic Human Colon Cancer in Blood. F.E. AHMED, N.C. AMED, P.W. VOS, C. BONNERUP, J.N. ATKINS, M. CASEY, G.J. NUOVO, W. NAZIRI, J.E. WILEY, R.R. ALLISON (*Greenville, Goldsboro, NC; Columbus, OH, USA*)

MGMT Hypermethylation and MDR System in Glioblastoma Cancer Stem Cells. V. CALDERA, M. MELLAI, L. ANNOVAZZI, O. MONZEGLIO, A. PIAZZI, D. SCHIFFER (*Pavia; Novara, Italy*)

20-HETE-producing Enzymes Are Up-regulated in Human Cancers. A. ALEXANIAN, B. MILLER, R.J. ROMAN, A. SOROKIN (*Milwaukee, WI; Jackson, MS, USA*)

Unifying the Genomics-based Classes of Cancer Fusion Gene Partners: Large Cancer Fusion Genes are Evolutionarily Conserved. L.M. PAVA, D.T. MORTON, R. CHEN, G. BLANCK (*Tampa, FL, USA*)

Evaluation of Aortic Valve Stenosis Using a Hybrid Approach of Doppler Echocardiography and Inert Gas Rebreathing. K. HAMM, F. TRINKMANN, F. HEGGEMANN, J. GRUETTNER, G. SCHMID-BINDERT, M. BORGGREFE, D. HAGHI, J. SAUR (<i>Mannheim, Germany</i>)	1027
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