

■ Theme 1

NO and Cancer: Biochemistry and Molecular Mechanisms

- Discrete concentrations of NO determine pro and antitumor responses, *Wink D.*
- Nitric oxide and bioenergetics: physiology and pathophysiology, *Moncada S.*
- S-Nitrosylation of proteins updated, *Stamler J.S.*
- Cysteine thiyl radical: common intermediate in RNS/ROS-induced signaling protein activation/inactivation, *Lancaster J.R.*

■ Theme 2

NO and Cancer: Tumorigenesis and Prevention

- Inducible nitric oxide synthase and intestinal tumorigenesis, *Hull M.*
- The role of nitrative DNA damage in inflammation associated carcinogenesis, *Ohshima H.,*
- Tumoricidal activity of endothelium-derived NO and the survival of metastatic cells with high glutathione content, *Estrela J.M.*
- Stimulation of the INOS pathway in chronic lymphocytic leukemia (CLL) cells by BAFF and TLR-7 ligation; involvement of the NF-KB pathway, *Kolb J.P.*
- Nitric oxide mediates tumor vessel maturation, *Fukumura D.*
- Nitrates in chemoprevention: correlating activity with structure and NO release *Thatcher G.*

■ Theme 3

NO and Cancer: Tumor Microenvironment

- The versatile role of NO in tumor microenvironment, *Brüne B.*
- Inflammation and cancer: influence of Nitric Oxide, *Hussain S.P.*
- Nitric Oxide and breast cancer: the two faces of NO, *Chaudhuri G.*
- Arginase/NO balance in situ regulates T cell function in cancer patients, *Ochoa A.C.*
- Heterogeneous nuclear ribonucleoprotein G (hnRNP G), DNA repair and NO, *Park N.H.*



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1st International Conference on Nitric Oxide (NO) and Cancer

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Co-Organizers

B. Bonavida (USA) and J.-F. Jeannin (France)

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■ Theme 4

NO and Cancer: Apoptosis and Chemo Immunosenesitization

- NO/cGMP regulation of cell death, *Billiar T.R.*
- Role of S-Nitrosylation in apoptosis resistance and malignant transformation of human lung epithelial cells, *Rojanasakul Y.*
- Constitutive intracellular production of NO in human melanoma regulates resistance to apoptosis, *Grimm E.*
- Chemo and immuno-sensitizing activities of Nitric Oxide (NO) and reversal of tumor resistance to apoptotic stimuli: therapeutic implications, *Bonavida B.*

■ Theme 5

NO and Cancer: From the bench to the clinic

- Inducible Nitric Oxide synthase gene therapy for cancer, *Hirst DG.*
- NO-donating anticancer compounds: an update, *Rigas B.*
- Anti-tumor effect of lipid A-derived NO, *Bettaieb A.*
- Impact of the modulation of endothelial-derived NO in tumors on anticancer therapies, *Féron O.*

■ Theme 6

NO and Cancer: Therapeutic Applications

- Nitroglycerin may increase response to anticancer drugs in non small cell lung cancer via reduction of HIF-1a pathway, *Yasuda H.*
- Clinical experience with the Nitric Oxide synthase inhibitor N Nitro-L-Arginine (L-NNA) in malignant disease, *Hoskin PJ.*
- A phase I/II pilot trial of low-dose, sustained-release GTN for prostate cancer patients with recurrence after primary therapy, *Siemens R.*

Oral communications and posters