



**JOINT TRANSNATIONAL CALL 2016:****"Minimally and non-invasive methods for early detection and/or progression of cancer"****PARTNER REQUEST/COLLABORATION OFFER**

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***I agree with the publication of my contact data and of this form on the TRANSCAN-2 Website:**

YES



SEARCH FOR A COLLABORATOR

IF YOU ARE LOOKING FOR A PARTNER IN YOUR SUGGESTED PROPOSAL, PLEASE SPECIFY ALSO THE NEEDED EXPERTISE

Project proposal

Project title (draft):

Short description of the project in preparation and of the consortium; description of the areas of expertise needed (Max. 2000 words):



OFFER FOR COLLABORATION

IF YOU PROPOSE YOURSELF AS A PARTNER IN A CONSORTIUM, PLEASE DETAIL YOUR EXPERTISE

Our team of Molecular Pharmacology (<http://pharmacology.med.duth.gr/staff/chatzaki.html>) holds a specific interest in epigenetic and other biomarkers for cancer. Our current approach involves studying methylation patterns in tumor suppressor genes and oncogenes by qMSP, in cell-free DNA of cancer patients (minimally invasive biomarkers), and correlate it to disease prognosis, survival and pharmacotherapy response. We have recently employed also NGS methodology to our studies. We would be eager to also study other biomarkers in our samples, for the needs of a common project.

We are also involved in large studies taking place in Greece, evaluating molecular diagnostics and self-sampling method for HPV screening (cohorts of >10,000 women).

Additionally, we have a system for real-life cell monitoring (Xcelligence platform), which is a very useful tool for developing novel preclinical models and cell-based screening for cancer.

Working in close collaboration with the Oncology Clinic of the University Hospital of Alexandroupolis, Democritus University of Thrace, Greece (Prof. S. Kakolyris) and with the 4th Department of Obstetrics and Gynecology, Hippokratio Hospital of Thessaloniki, Greece (Prof. T. Agorastos), we have access to large cohorts of clinical samples and information for our projects. We could therefore contribute as either basic or clinical partner.

We would be interested to join/form a consortium for a proposal and we are seeking international collaborators. Given our activities and expertise, we could contribute to a project targeting any of the three aims of the call description.

Below find some of our recent publications:

Panagopoulou et al. Gene promoter methylation and protein expression of BRMS1 in uterine cervix in relation to high-risk HPV infection and cancer. *Tumor Biology* 2016

Matthaios et al., Methylation status of the *APC* and *RASSF1A* promoter in cell-free circulating DNA and its prognostic role in patients with colorectal cancer. *Oncol Lett.* 2016

Lambropoulou et al., Co-expression of galectin-3 and CRIP-1 in endometrial cancer: prognostic value and patient survival. *Med Oncol.* 2016

Nikolaidis et al., PAX1 methylation as an auxiliary biomarker for cervical cancer screening: a meta-analysis.

Cancer Epidemiol. 2015

Balgkouranidou et al., Prognostic role of APC and RASSF1A promoter methylation status in cell free circulating DNA of operable gastric cancer patients. *Mutat Res.* 2015

Anninou et al., Mycotoxins' activity at toxic and sub-toxic concentrations: differential cytotoxic and genotoxic effects of single and combined administration of sterigmatocystin, ochratoxin A and citrinin on the hepatocellular cancer cell line Hep3B. *Int J Environ Res Public Health.* 2014

Darwiche et al, Efficacy versus safety concerns for aerosol chemotherapy in non-small-cell lung



cancer: a future dilemma for micro-oncology. *Future Oncol.* 2013

Kesisova et al., Tripolin A, a novel small-molecule inhibitor of aurora A kinase, reveals new regulation of HURP's distribution on microtubules. *PLoS One.* 2013

Balgkouranidou et al., Assessment of SOX17 DNA methylation in cell free DNA from patients with operable gastric cancer. Association with prognostic variables and survival. *Clin Chem Lab Med.* 2013

Pazaitou-Panayiotou et al., Gonadotropin-releasing hormone neuropeptides and receptor in human breast cancer: correlation to poor prognosis parameters. *Peptides.* 2013

Matthaios et al., γ -H2AX expression detected by immunohistochemistry correlates with prognosis in early operable non-small cell lung cancer. *Onco Targets Ther.* 2012

Zarogoulidis et al., Management of malignant pleural effusion by suicide gene therapy in advanced stage lung cancer: a case series and literature review. *Cancer Gene Ther.* 2012

Zarogoulidis et al., Inhaled chemotherapy in lung cancer: future concept of nanomedicine. *Int J Nanomedicine.* 2012;

Matthaios et al., Molecular pathogenesis of pancreatic cancer and clinical perspectives. *Oncology.* 2011

Chelis et al., Biweekly vinorelbine and gemcitabine as second-line treatment and beyond in non-small cell lung cancer. *Chemotherapy.* 2010

Kaprara et al., Distinct distribution of corticotropin releasing factor receptors in human breast cancer. *Neuropeptides.* 2010

Xenidis et al., Biweekly vinorelbine and gemcitabine as second-line and beyond treatment in ovarian cancer. *Cancer Chemother Pharmacol.* 2011

Kaprara et al., The corticotropin releasing factor system in cancer: expression and pathophysiological implications. *Cell Mol Life Sci.* 2010

