Workshop on Lung Cancer Detection with Sensor Arrays
June 13-14, 2013 – Saarbrücken/Wallerfangen, Germany

Lung Cancer (LC) is the most lethal cancer, accounting for 28% of cancer deaths globally. Detecting LC in its early stages, while still localized, can be expected to increase the 5-year-survival rate by 3-4 times. Unfortunately, LC diagnostic tests currently available, e.g. bronchoscope biopsy, pulmonary puncture and computer tomography (CT) are unsatisfactory, since they often identify tumors at an intolerably late stage of the disease, occasionally miss tumors and sometimes provide high rates of false positives, a fact that leads to over-utilization of the medical system and to unnecessary medical procedures. Indeed, these methods are not suited for widespread screening as they are not efficient in terms of time and costs and more importantly are unpleasant for the patient and not free of complications.

The Lung Cancer Artificial Olfactory System (LCAOS) project is an EU funded collaborative under the 7th Framework Program whose aim is to enable the earliest possible detection of lung cancer (LC) using volatile markers present in exhaled breath and/or headspace of LC tissues/cells by applying a novel, non-invasive, easy-to-use chemical nanoarray. The chemical nanoarray is designated to screen and identify high risk groups for LC, and monitor the therapy provided to people affected by LC to establish point-of-care diagnostics and less invasive treatments.

The **LCAOS workshop** is jointly organized with the **Breath Analysis Summit 2013** (June 9-12, 2013; www.breath2013.de) and the **ISOCS Short Course on Chemical Sensors for Breath Analysis** (June 14, 2013; www.olfactionsociety.org/course/breath2013/). All events take place at the same location. The LCAOS workshop aims to bring the latest updates on volatile markers for early diagnosis and classification of lung cancer. Additionally, the workshop aims to being the latest updates on chemical sensors and nanoarrays for the diagnosis of lung cancer via volatile markers. The LCAOS workshop will bring together scientists, engineers, clinicians, industry executives, and entrepreneurs to discuss key trends, future directions, and technologies available for chemical sensors and nanoarrays for lung cancer diagnosis via volatile markers.

Structure:
Oral and poster contributions are welcome. Abstracts have to be composed following the provided template. Abstracts have to be sent in via the LCaos website at www.lcaos.eu/workshop2013/. Once your abstract is accepted, you will need to either prepare an oral presentation or to develop a poster. Instructions will follow along with acceptance.

Location:
The LCAOS Workshop will be held at the Hotel Scheidberg, St. Vallier Straße 1, 66798 Wallerfangen/Kerlingen, Germany.

Major Deadlines:
Abstract submission: February 15, 2013
Letter of acceptance: February 25 2012
Registration of lecturers: March 15, 2013
Early registration: March 31, 2013
Standard registration: May 15, 2013
Late poster registration will be possible until May 15, 2013 in case space is available.

Organizing Committee:

Prof. Hossam Haick - Chairman	Prof. Nir Peled	Dr. Jan Mitrovics
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For more information and registration see:
www.lcaos.eu/workshop2013/ and www.olfactionsociety.org/course/breath2013/