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UNIVERSITY OF ATHENS



Tumor biomarkers: From discovery to clinical applications (TB 2014)

INsPiRE International Conference, 14-16 June, 2014,

Plaza Resort Hotel, Athens, Greece

Day one - Saturday, 14th June 2014

16:00 - 18:30. Registration

18:30 - 18:45. Welcome address:

Andreas Scorilas, Diamandis Sideris

18:45 - 19:30. Session 1: miRNAs as emerging cancer biomarkers

Chairman: Emmanouel Fragoulis, Andreas Scorilas

Keynote lecture: **George Yousef**

Micro RNAs (miRNAs) in the era of genomic medicine: challenges and opportunities in delivering patient-centered care



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Day two – Sunday, 15th June 2014

10:00 – 11:00. Session 2: Circulating tumor cells

Chairman: Sonja Pavlovic, Margaritis Avgeris

10:00 – 10:30. Lecture: **Evi Lianidou**

Circulating Tumor Cells as Biomarkers for human malignancies: An update

10:30 -10:45. Short Lecture: **Ioanna Sourvinou**

Circulating miR-21, miR-146a and miR-210 levels in plasma are associated with clinical outcome in breast cancer

10:45 -11:00. Short Lecture: **Maria Chimonidou**

DNA promoter methylation of tumor suppressor genes in circulating tumor cells and matched cell-free DNA isolated from plasma of patients with breast cancer

11:00 – 11:30. Coffee break

11:30 – 13:30. Session 3: Translating molecular pathways into novel cancer biomarkers

Chairmen: Vassilis Gorgoulis, Mariana Christodoulou

11:30 – 11:55. Lecture: **Andreas Constantinou**

Biomarkers of drug resistance and response in breast cancer cells

11:55 – 12:20. Lecture: **Ourania Tsitsilonis**

Prothymosin alpha: a tumor biomarker or an immune adjuvant?

12:20 – 12:45. Lecture: **Apostolos Klinakis**

The role of Notch signaling in urothelial tumorigenesis and progression

12:45 – 13:15. Lecture: **Athanassios Kotsinas**

DNA damage response in cancer

13:15 – 13:30. Lecture: **Alexandros Georgakilas**

Epigenetic inactivation of DNA repair in breast cancer

13:30 – 15:30. Lunch break

15:30 – 17:15. Session 4: Novel technological advances in biomarker discovery

Chairman: Ioannis Trougakos, Athanasia Pavlopoulou

15:30 – 16:00. Lecture: **Vassiliki Bitsika**

Proteomics and their application in cancer research

16:00 – 16:30. Lecture: **Christos Kontos**

The use of next generation sequencing in biomarker discovery

16:30 – 17:00. Lecture: **Ioannis Michalopoulos**

Bioinformatic approaches in biomarker discovery

17:00 – 18:15. POSTER SESSION /Coffee break

18:15 – 19:30. Session 5: Biological tumor markers of female reproductive organ malignancies

Chairmen: George Yousef, Nikolaos Fokialakis

18:15 – 18:45. Lecture: **Manfred Schmitt**

An update on proteolytic factors as cancer biomarkers for breast and ovarian cancer.

18:45 – 19:15. Lecture: **Konstantinos Mavridis**

Identification of miRNAs as novel biomarkers in the decision-making process for ovarian cancer management

19:15 – 19:30. Short lecture: **Kleita Michaelidou**

mRNA expression analysis of the tumor-related genes *KLK6*, *KLK8* and *KLK11* reveals their potential as prognostic biomarkers for breast cancer



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Day three – Monday, 16th June 2014

09:30 – 10:10. Session 6: The future of cancer biomarkers

Chairman: Andreas Scorilas, George Yousef

09:40 – 10:10. Keynote lecture: **Eleftherios P. Diamandis**

Why some biomarkers do not make it to the clinic?

10:10 – 10:40. Coffee break

10:40 – 12:00. Session 7: Novel approaches for urologic tumor biomarker discovery

Chairmen: Eleftherios P. Diamandis, Konstantinos Mavridis

10:40 – 11:10. Lecture. **Spiros D. Garbis**

The use of proteomics in order to identify potential markers for prostate cancer diagnosis, prognosis and treatment

11:10 -11:40. Lecture: **Annika Fendler**

MicroRNAs as new diagnostic and prognostic biomarkers in urological tumours.

11:40 -12:00. Short lecture: **Margaritis Avgeris**

Clinical Significance of the tumor-suppressor miR-143/145 cluster in bladder cancer

12:00 – 13:00. POSTER SESSION /Coffee break

13:00 – 14:20. Session 8: Novel biomarkers for leukemia and lymphoma

Chairmen: Ourania Tsitsilonis, Christos Kontos

13:00 – 13:30. Lecture: **Sonja Pavlovic**

Molecular biomarkers in acute myeloid leukemia and chronic lymphocytic leukemia

13:30 – 14:00. Lecture: **Sotiris Papageorgiou**

Prognostic biomarkers in Diffuse Large B-cell Lymphoma in the Rituximab era

14:00 – 14:20. Short lecture: **Diamantina Vasilatou**

MicroRNAs as biomarkers in Acute Myeloid Leukemia

14:20 – 14:40. Closing remarks

15:00. Lunch