Pathology of the 21st Century – From Molecular Diagnostics to Personalized Cancer Therapy

Dates: June 21-22, 2012

Venue: Fundación Ramón Areces. c/ Vitruvio, 5. 28006 Madrid (España)

Directors:
Dr. Bogdan A. Czerniak. University of Texas M. D. Anderson Cancer Center.
Dr. Victor G. Prieto. University of Texas M D. Anderson Cancer Center.
Dr. Patricia Troncoso. University of Texas M. D. Anderson Cancer Center.
Dr. Juan F. García. M. D. Anderson Cancer Center Madrid.

Goals
The program is designed to cover the pathobiology of a wide spectrum of neoplastic disorders with emphasis on innovative diagnostic tools. The conference will focus on molecular mechanism for malignant transformation and classification of neoplasms, with particular emphasis on the state-of-the-art for molecular testing and molecular diagnosis in Pathology, targets for therapy in different tumor types, and other specific applications in clinical practice. Particular attention will be given to recently described entities and classification systems, as well as prognostic and predictive markers with their personalized treatment options.
The information provided in the conference should lead to increased physician competence and performance as well as improvement in patient outcomes.

Target Audience
This program should be of interest to pathologists, pathology residents, molecular biologists, and medical and surgical oncologists and surgeons.

Educational Methods
Conferences and Lectures, Case Seminar, and Panel Discussions.

Registration
Registration will be required for accreditation. Online registration form available at: http://www.mdanderson.es/eventos/listadodeeventos

Accreditation
Agencia Lain Entralgo
Thursday, June 21st

9:15-9:30. Registration

9:30-9:45. Registración and Welcome
Dr. Juan F. Garcia. MD Anderson Cancer Center Madrid.
Dr. Oliver Bogler. Vice President Global Academic Programs and Professor Neurosurgery - Research. UT MD Anderson Cancer Center Houston.

9:45-10:30. Keynote Lecture: The Cancer Genome
Dr. Bogdan A. Czerniak. MD Anderson Cancer Center Houston.

10:30-11:30. Session I. Breast Cancer
Moderator: Dr. Antonio Gonzalez. MD Anderson Cancer Center Madrid.
1. Genomic Profiling and Personalized Breast Cancer Diagnostics
   Dr. Fraser Symmans. MD Anderson Cancer Center Houston.
2. HER2 cancer biology. Selecting therapy.
   Dr. Gema Moreno-Bueno. MD Anderson Cancer Center Madrid.

11:30-12:00 Coffe break

12:00-13:00. Session II. Gynecology
Moderator: Dr. Luis Chiva. MD Anderson Cancer Center Madrid.
1. Ovarian Serous Neoplasms: Current Clinicopathologic and Molecular Concepts
   Dr. Michael Deavers. MD Anderson Cancer Center Houston.
2. Genomic Models for Individualizing Endometrial Cancer Treatment.
   Dr. Xavier Matias-Guiu. Hospital Universitari Arnau de Vilanova. Universitat de Lleida.

13:00-14:00. Session III. Gastrointestinal
Moderator: Dr. Santiago Gonzalez. MD Anderson Cancer Center Madrid.
1. Her-2-neu and other novel molecular alterations in esophageal and gastric adenocarcinoma.
   Dr. Dipen Maru. MD Anderson Cancer Center Houston.
2. Pancreatic cancer molecular pathophysiology.
   Dr. Francisco Real. Spanish National Cancer Center (CNIO).

14:00-16:00. Lunch
**16:00-17:00. Session IV. Sarcoma**
Moderator: Dr. Juan F. García. MD Anderson Cancer Center Madrid.

1. **New roles for the pathologist: Update on sarcoma classification and Molecular Pathology.**
   - Dr. Enrique de Alava. Centro de Investigación del Cancer, Salamanca

2. **Molecular analysis of soft tissue tumors.**
   - Dr. Alexander F. Lazar. MD Anderson Cancer Center Houston.

**17:00-18:30. Case seminar**
*(Four 20-minute cases with special emphasis on molecular techniques)*
- Dr. Doina Ivan. MD Anderson Cancer Center Houston.
- Dr. Enrique de Álava. CIC Salamanca.
- Dr. Diana Bell. MD Anderson Cancer Center Houston.
- Dr. José L. Rodríguez-Peralto. H. 12 de Octubre Madrid.

---

**Friday, June 22nd**

**9:30-10:15. Keynote Lecture: The role of nuclear deltaEGFR in glioblastoma.**
Dr. Oliver Bogler. MD Anderson Cancer Center Houston.

**10:15-11:15. Session V. Central Nervous System Tumors**
Moderator: Dr. Juan F Garcia. MD Anderson Cancer Center Madrid.

1. **Molecular Signatures Define Genetic Subclasses of Gliomas. Clinical application.**
   - Dr. Gregg Fuller. MD Anderson Cancer Center Houston.

2. **Differential expression profiling analyses in meningiomas and gliomas.**
   - Dr. Barbara Menendez. Unidad de Investigación de Patología Molecular. H Virgen de la Salud Toledo.

**11:15-12:15. Session VI. Genitourinary**
Moderator: Dr. Patricia Troncoso. MD Anderson Cancer Center Houston.

1. **Classification of Kidney Tumors Based on Molecular Pathways.**
   - Dr. Pheroze Tamboli. MD Anderson Cancer Center Houston.

2. **Prostate Cancer: Diagnostic and Molecular Pathology.**
   - Dr. Josep Lloreta. Hospital del Mar, Barcelona
12:15-12:45. Coffe Break

**12:45-14:00. Session VII. Melanoma**
Moderator: Dr. Pilar Lopez-Criado. MD Anderson Cancer Center Madrid.

1. **Melanocytic lesions: what has molecular analysis taught us regarding classification and therapy.**
   Dr. Victor G. Prieto. MD Anderson Cancer Center Houston.

2. **Molecular basis of invasion and metastasis in melanoma: new therapeutic strategies.**
   Dr. Maria S. Soengas. Spanish National Cancer Center (CNIO).

**14:00-16:00. Lunch**

**16:00-17:00. Session VII. Lung Cancer and Mediastinum**
Moderator: Dr. Jose M. Sánchez-Torres. MD Anderson Cancer Center Madrid.

1. **New Paradigms in Lung Cancer Molecular Diagnostic.**
   Dr. Ignacio I. Wistuba. MD Anderson Cancer Center Houston.

2. **Genetic Classification of Lung Cancer.**
   Dr. Montserrat Sánchez-Cespedes. Bellvitge Institute for Biomedical Research (IDIBELL)

**17:00-17:30. Conference: "Next-Generation Pathology" and cancer diagnosis: opportunities and challenges.**
Dr. Juan F. García. MD Anderson Cancer Center Madrid.

**Closing Remarks**

Under the auspices of: