



2017

INTERNATIONAL EXPLORATORY WORKSHOP

On

*Advanced Technologies in Cancer Diagnosis and
Treatment*

28th of September 2017, Golden Tulip Hotel, Cluj-Napoca

PROGRAM

CHAIRMEN

Doina PISLA, Nicolae CRISAN

08:30 – 09:20 Registration

Invited Talks

09:20 – 09:30 Opening Ceremony

09:30 – 09:45 BIOPROS-1 – An Innovative Parallel Robotic System for Transperineal Prostate Biopsy

Doina PISLA, Bogdan GHERMAN, Calin VAIDA, Paul TUCAN, Nicolae PLITEA: Technical University of Cluj-Napoca, Romania

09:45 – 10:00 MRI Assisted Prostate Biopsy - Techniques

Iulia ANDRAS, Nicolae CRISAN, Ioan COMAN: University of Medicine and Pharmacy, Cluj-Napoca, Romania

10:00 – 10:15 Robotic Surgery: Past, Present and Future

Nadim AL HAJJAR, Florin GRAUR, Calin VAIDA*, Vlad PUIA: University of Medicine and Pharmacy, Cluj-Napoca, Romania, *Technical University of Cluj-Napoca, Romania

10:15 – 10:30 Thermal Ablation: What's in the Lab?

Franco ORSI, European Institute of Oncology, Milan, Italy

10:30 – 10:45 Breast Cancer Imaging at mm-Waves

Giuseppe RENNE, European Institute of Oncology, Milan, Italy

- 10:45 – 11:00** **Advanced Texture-Based Methods for the Characterization and Automatic Diagnosis of Some Important Abdominal Tumors and of their Evolution Stages, from Ultrasound Images**
[Delia MITREA](#), [Sergiu NEDEVSCHI](#), [Radu BADEA*](#), [Paulina MITREA](#), [Technical University of Cluj-Napoca, Romania](#), [*University of Medicine and Pharmacy, Cluj-Napoca, Romania](#)
- 11:00 – 11:30** **Coffee Break**
- 11:30 – 11:45** **Minimally Invasive Instruments for Enhanced Tumor Treatments**
[Calin VAIDA](#), [Doina PISLA](#), [Iosif BIRLESCU](#), [Bogdan GHERMAN](#), [Florin CRACIUN](#), [Florin GRAUR*](#), [Nicolae PLITEA](#): [Technical University of Cluj-Napoca, Romania](#), [*University of Medicine and Pharmacy, Cluj-Napoca, Romania](#)
- 11:45 – 12:00** **Cutting Edge Tools in Minimally Invasive Surgery**
[Horia URS](#), [KARL STORZ Romania](#)
- 12:00 – 12:15** **Robotic Surgery Approach in Limited Access Anatomical Areas**
[Razvan RAHOTA](#), [Iulia ANDRAS](#), [Nicolae CRISAN](#), [Ioan COMAN](#): [University of Medicine and Pharmacy, Cluj-Napoca, Romania](#)
- 12:15 – 12:30** **Robotic Surgery: A History**
[Deliu Victor MATEI](#), [European Institute of Oncology, Milan, Italy](#)
- 12:30 – 12:45** **A New Approach to Diagnosis and Rehabilitation in Spine Diseases**
[Silviu BUTNARIU](#), [Daniel VOINEA](#): [“Transylvania” University Brasov, Romania](#)
- 12:45 – 13:00** **Robotic Brachytherapy – Ready for a Change?**
[Dan DORDAI](#), [Gabriel KACSO](#): [University of Medicine and Pharmacy, Cluj-Napoca, Romania](#)
- 13:00 – 13:15** **Advanced Surgical Tools and Integrated Solutions for Hepatic Surgery, Resection with Water Surgery, Use of APC for Hemostasis and News about Electrosurgery**
[Tamas SIMO](#), [Elmed Medical, Targu Mures, Romania](#)
- 13:15 – 13:30** **Virtual and Augmented Reality Applications for Planning of Robotic Prostate Transperineal Biopsy**
[Florin GIRBACIA](#): [“Transylvania” University Brasov, Romania](#)
- 13:30 – 14:30** **Lunch Break**