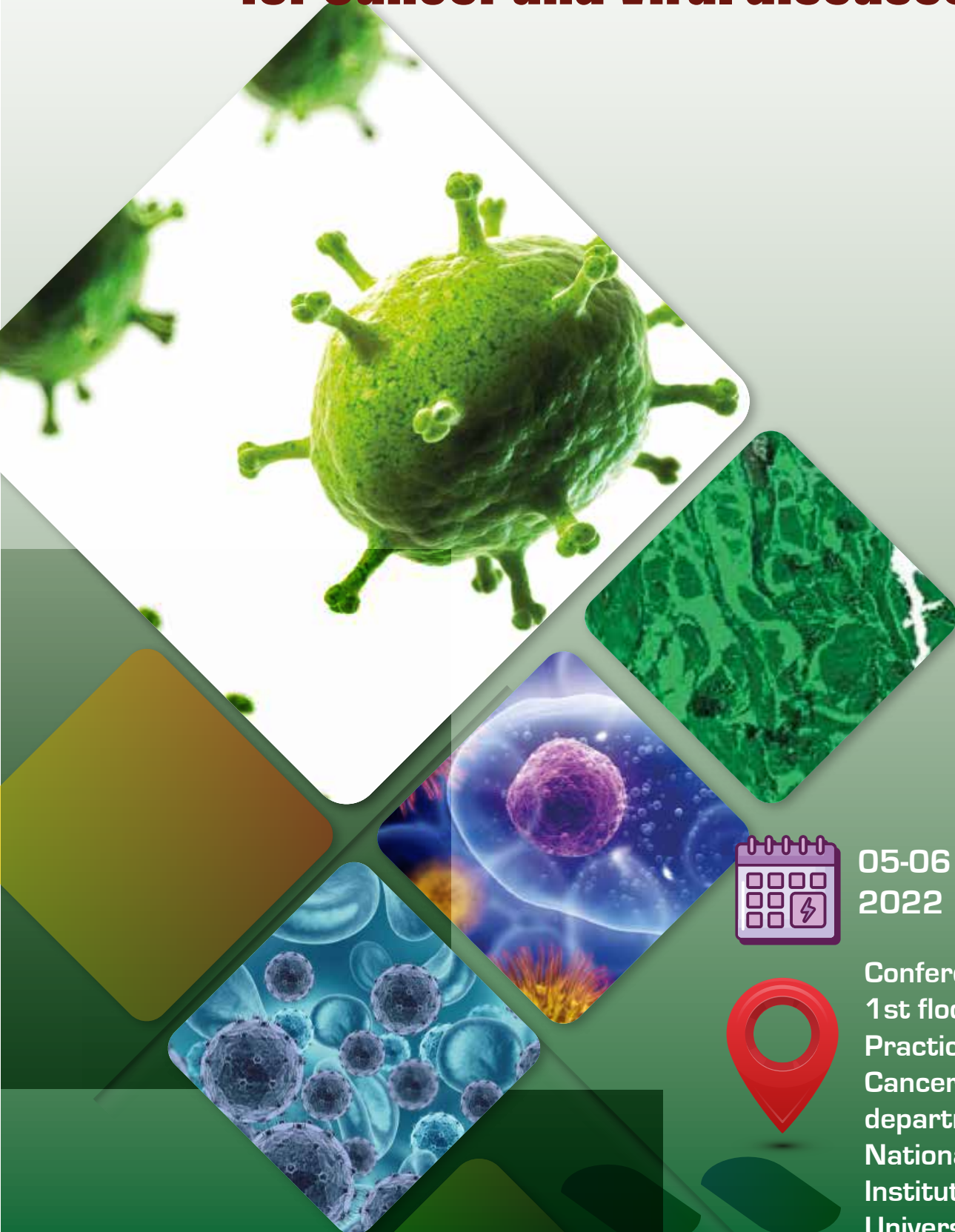


Workshop on Recent advances in Diagnostic methods for Cancer and Viral diseases



05-06 November
2022



Conference hall,
1st floor
Practical work:
Cancer Biology
department,
National Cancer
Institute, Cairo
University



NCI&BOT 2022

Course objectives

- Tissue culture technique and its theranostic applications in Cancer and viral research
- Advanced technologies for viral diagnostics (biosensors) using crisper/cas9 system
- SPR technology and synthetic antibodies based on molecularly imprinted polymers (MIPs) as point of care diagnostic tools
- Microfluidics / Lab on a Chip as diagnostic platforms
- Hands on Western blot assay

Workshop Co-ordinator:

Prof. Dr. Samah Aly Loutfy

PhD, Virology&Immunology, Cancer Biology Dept, National Cancer Institute, Cairo University, Member of American society of Virology.
Samah.loutfy@bue.edu.eg



NCI BO 2022

Day One 5 Nov 2022

09:00-09:30 Registration

Tissue culture applications in viral research

- 9:30- 10:30** Tissue culture applications in biological research and principles of Western Blot technique
Prof.Samah Aly lotfy and Prof.Nadia Elgendy
National Cancer Institute, Cairo University
- 10:30-11:30** Crisper cas 9 technologies as newer diagnostic tool
Analysis Company
Dr. Hazem Hassan
- 11:30 – 12:00** Coffee Break
- 12:00 – 1:00** Microfluidics and its application in diagnostic assays
Prof Hossam Sayour
Animal Health Research Institute
- 1:00 – 2:00** Biosensors based on Surface Plasmon Resonance as point of care diagnostic device
Prof Hossam Sayour
Animal Health Research Institute
- 2:00-2:30** Future perspectives on running pharmacological discovery based on microfluidics integrated with biosensors (theme of Prof, Hossam Sayour)
Dr. Marwa Ezz Sayour
National Cancer Institute
- 2:30-3:00** Health and safety precautions in medical laboratories (National and International standards)
Prof Abeer Ashmawy
National Cancer Institute, Cairo University

Day Two 6 Nov 2022

Hands on WB technique

09:30 – 02:30am Western blot

- Hands on WB assay

- Ass. Prof Nadia El gendy

- Mohamed Mahmoud

National Cancer Institute, Cairo University



NCI&O 2022

Maximum Number of Attendees: 15 candidates.

Fees of workshop: 1500 L.E.

**Reservation details: Workshop reservation will be
at the accounting department:**

Mr. Mostafa Saleh 01094406554

Contact person:

Dr. Shimaa Saeed

8863 098 0114



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