



Cairo University

# Gene Expression Analysis Using Quantitative Real Time PCR in Cancer Research

## Workshop

20 persons  
Fees: 1000 LE



31 October - 2 November, 2021



09:00-15:00



Biochemistry and Molecular Biology Unit  
Cancer Biology Department

# Gene Expression Analysis Using Quantitative Real Time PCR in Cancer Research *Workshop*

## *Program*

### *Day 1: 31 October, 2021*

- Isolation of total RNAs including microRNAs from serum/tissue cells
- Quantitative/Qualitative detection of isolated RNAs using NanoDrop spectrophotometer

### *Day 2: 1 November, 2021*

- cDNA synthesis for the isolated RNAs
- PCR amplification for certain genes (conventional PCR)

### *Day 3: 2 November, 2021*

- Agarose gel electrophoreses for PCR products
- Real-Time PCR for microRNAs using SYBER Green
- Data calculation/interpretation

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