

## Under Patronage

**Prof. Ibrahim Salem**  
*President, Tanta University*

**Prof. Amgad Abdel-Raouf**  
*Dean, Faculty of Medicine*

**Prof. Tarek Fayed**  
*Dean, Faculty of Science*

**Prof. Gamal Mousa**  
*Director, Tanta University Educational Hospital*



## Lecturers

**Prof. Mohamed Labib Salem, PhD**  
*Prof. of Immunology, Tanta University*  
*Executive Director, CECR*

**Prof. Mohamed Attia Saad, PhD**  
*Assistant Prof. of Clinical Pathology, Tanta University*  
*Director, Flow Cytometry Unit, CECR*

**Dr. Abdel Aziz Awad Zidan, PhD**  
*Lecturer of Immunology, Damanhur University*  
*Director, Genomic & Proteomic Unit, CECR*



## Moderators

**Prof. Said Hammad Abdou, MD**  
*Prof. of Clinical Pathology, Tanta University*  
*Lab Director, CECR*

**Prof. Mohamed Ramadan Elshanshory, MD**  
*Prof. of Hematology & Oncology, Tanta University*  
*Clinical Director, CECR*

## Workshop Topics

- Basics of Flow Cytometry technology and how does it work
- Fluorescence and fluorochromes
- Flow Cytometric applications in cell proliferation apoptosis, DNA content and cell cycle
- Advantages, disadvantages, limitations and opportunities
- Intensive hands-on Training

## Registration

Registration Fees: 500 L.E  
Including Printed Materials, Lunch Break and Certificates  
*CECR is a project funded by Science & Technology Development Fund (STDF)*



TANTA UNIVERSITY  
FACULTY OF SCIENCE

# THE 8<sup>th</sup> International Conference on Biological Sciences

in Collaboration with 21<sup>st</sup> International Conference of  
Egyptian German Society of Zoology

بالاشتراك مع  
المؤتمر الدولي 21 للجمعية المصرية الألمانية لعلم الحيوان



Under the Patronage of

**Prof. Ashraf El-Shihy**  
Minister of Higher Education

**Prof. Ibrahim Salem**  
Vice President of Tanta University  
Acting President of Tanta University

## Honory Chairman

Prof. Tarek M. Fayed, *Dean of Faculty of Science*

## Chairmen

Prof. Mohamed H. Mona, *President of ICBS*

Prof. Khadiga Gaafar, *President of EGSZ*

## Chair, Scientific and Organizing Committee

Prof. Mohamed L. Salem, *Prof. of Immunology, Faculty of Science*



# Flowcytometry Workshop

Tanta University,  
9-10 November,  
2016

## WORKSHOP PROGRAM

DAY 1: 9<sup>th</sup> NOVEMBER, 2016

09:00 - 09:30 AM Opening and Registration

### 09:45 - 10:30 AM THEORETICAL SESSION

09:45- 10:30 AM **Introduction:  
Basics of flow cytometry and how does the machine work**  
Prof. Mohamed Labib Salem,  
*Director, CECR*

10:45 - 11:15 AM **Machine and its instrumentations  
(Fluidic-Optic-Electronic)**  
Prof. Mohamed Attia Saad,  
*Flow Cytometry Unit Director, CECR*



11:15 - 11:45 AM *Coffee Break*

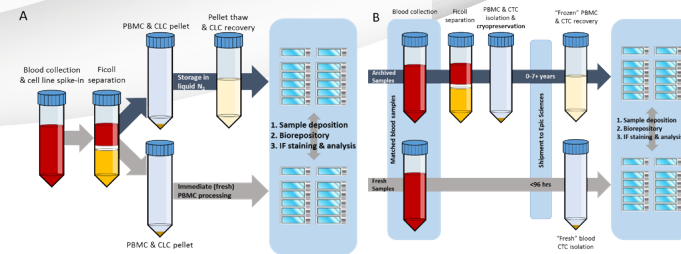
11:45 - 12:15 AM **Principles of hand on processing of samples**  
Ms. Mona Zidan, *MSc,*  
*Research and teaching Assistant, CECR*

### 12:15 - 02:00 PM PRACTICAL SESSION

12:15 - 02:00 PM **Surface Staining:  
Processing of peripheral blood sample**  
Ms. Mona F. Zidan (GP A)  
Ms. Sohaila Galal (GP B)  
Mr. Ismail Attia (GP C)  
*Research Assistants Staff, CECR*

02:00 - 02:45 PM *Lunch Break*

02:45 - 03:45 AM **Samples Acquisition**  
Ms. Mona F. Zidan,  
*Research and Teaching Assistant, Flow Cytometry Unit, CECR*



## WORKSHOP PROGRAM

DAY 2: 10<sup>th</sup> NOVEMBER, 2016

09:00 - 09:30 AM Opening and Registration

### 10:00 - 10:45 AM THEORETICAL SESSION

10:00 - 10:45 AM **Introduction of applications of Flow cytometry  
applications in research and Diagnosis**  
Prof. Mohamed Attia Saad,  
*Flow Cytometry Unit Director, CECR*

11:00 - 11:45 AM **Flow Cytometric quantitation of DNA content  
and cell cycle**  
Dr. Abdel-Aziz Awad Zidan,  
*Director of Genomics & Proteomics Unit, CECR*

11:45 - 12:00 AM *Coffee Break*

12:00 - 12:15 PM **Preparation of PBMCs**  
Mr. Sohaila Galal,  
*Assistant Lecturer, Tanta University*

### 12:30 - 01:15 PM PRACTICAL SESSION

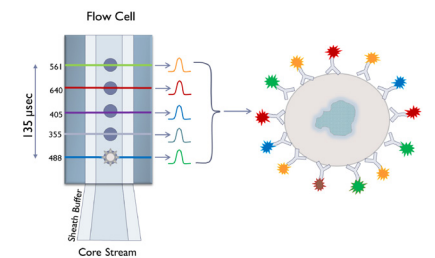
12:30 - 01:15 PM **Isolation of PBMCs by Ficoll**  
Ms. Mona F. Zidan (GP A)  
Ms. Sohaila Galal (GP B)  
Mr. Ismail Attia (GP C)  
*Research Assistants Staff, CECR*



01:15 - 01:45 PM **Samples Staining by (Annexin V) for detection  
of apoptosis**  
Ms. Sohaila Galal (GP A)  
Ms. Mona F. Zidan (GP B)  
Mr. Ismail Attia (GP C)  
*Research Assistants Staff, CECR*

01:45 - 02:30 PM *Lunch Break*

02:30 - 03:30 PM **Sample Acquisition**  
Ms. Mona F. Zidan,  
*Research and Teaching Assistant, Flow Cytometry Unit, CECR*



03:30 - 04:30 PM **Summary, Evaluation and Certification**