

## 3 Days Workshop on Flow Cytometry Basics, Apoptosis, Cell Cycle & Data Analysis (15-17 April 2015) @ Venture Center

### Evaluation Results:

Category	Avg (Min-Max) Count
<b>Section 1: Event Administration</b>	
Quality of pre-event (registrations, queries)	5.80 (5-7) 15
Was the workshop registration process timely and efficient?	5.67 (3-7) 15
Quality of staff responsiveness	6.00 (5-7) 15
Pace of the event (time mgmt)	5.64 (5-7) 14
Overall satisfaction with event organization	5.87 (5-7) 15
<b>Section 2: Event Facilities</b>	
Venture Center Training room	6.13 (5-7) 15
Venture Center Cafeteria	6.00 (5-7) 15
Food (Tea/coffee and lunch at Venture Center)	5.73 (4-7) 15
Materials and Handouts	5.80 (4-7) 15

Rating scale	
1	Bad
2	Well below average
3	Below average
4	Average
5	Good
6	Very good
7	Excellent

<b>Section 3: Theory &amp; Practical sessions</b>			
		I found it directly useful to me	I enjoyed this session
1	History and Introduction of Flow Cytometry	5.60 (2-7) 15	5.71 (3-7)14
2	Various applications of Flow Cytometry	5.93 (2-7) 15	5.93 (3-7) 14
3	Inside the Black box—know about your instrument (flow cytometer)	6.13 (3-7) 15	6.00 (3-7) 14
4	How to perform cell cycle assay using flow cytometry?	6.00 (2-7) 15	6.14 (3-7) 14
5	Analysis of cell cycle data from previous day using cell cycle analysis software.	5.86 (2-7) 14	6.08 (3-7) 13
6	All about Multicolor Flow Cytometry: Fluorochromes, Spectral overlap, Compensation controls, Experimental designing and controls	5.71 (4-7) 7	5.75 (4-7)8
7	What is apoptosis and how to study apoptosis using flow cytometry?	5.92 (2-7) 13	5.92 (3-7)12
8	Analysis of apoptosis data from the previous day using flow cytometry data analysis software.	6.00 (3-7) 15	5.69 (3-7) 13
9	In and outs of Flow Data Analysis and Presentation—What to do and what not to do?	6.33 (5-7) 12	5.77 (3-7) 13
<b>Demonstrations &amp; Practicals</b>			
1	Instrument startup and demonstration of instrument setup; Template preparation for data acquisition, PMT Voltage setting, Threshold etc.	6.07 (3-7) 14	5.60 (3-7)15
2	Wet lab 1: Cell cycle analysis using propidium iodide (sample preparation and acquisition).	6.29 (3-7) 14	5.93 (3-7) 15
3	Wet lab 2: Apoptosis analysis using Annexin V and propidium iodide (sample preparation and acquisition).	6.21 (3-7) 14	5.87 (3-7) 15
4	Hands on flow data analysis and discussion.	6.00 (3-7) 13	5.50 (3-7) 15

**Section 4: Comments & Suggestions**

**How can these workshops be improved further?**

1	The no. of day can be increased as the topic is vast and time consuming. More time allotment will help clear more doubts; also more exposure to hands on experience.
2	An introductory topic on different staining materials & samples that can be prepared or purchased which is useful to prepare different protocols on preparing respective single cell solution.
3	Accommodation should be arranged inside the campus or nearby; Hands on flow data analysis could be for a longer period of time.
4	There should be more practical session
5	More practical sessions & Hands on
6	Hands on handling can be extended for 3- 4 more days
7	More handouts about the topic, detailed protocols along with flow charts, Sample solved results with stepwise details on procuring data
8	It is excellent, but I weak, Workshop is more better.
9	More on multiparametric evaluation & experiment planning
10	I can plan my work related to flow cytometry application
11	The workshop is very good. More informative for students & research scholars. If you give a more handling for students then it is very much useful.
12	More application demonstrations of flow cytometry should be inculcated
13	The history part can be reduced & lab session time can be increased. Working with cultures & the machine gives better feel of the whole training technique.
14	Practical session on apoptosis could be planned better in terms of time management. Would love to do an experiment on multicolor flow cytometry

**Please suggest a topic on which you wish to have a workshop on:**

1	Gene expression
2	XRD, FTIR, SEM, TEM
3	Flow cytometry related cancer research
4	Microscopy
5	Drug designing, Antidote preparation
6	Confocal microscopy
7	Confocal microscopy & data representation; Statistical methods
8	Advanced Flow Cytometry
9	Microscopy
10	Bioanalytical techniques; SEM, TEM, Confocal, XRD, Spectroscopy etc. Molecular techniques
11	Cell proliferation, drug screening with flow cytometry
12	Animal cell culture: the critically important factors; Details in immunophenotyping; especially cancer cells

<b>How did you hear about this event?</b>		<b>Number of participants</b>
	Internet	10
	Email from VC	2
<b>Would you like to hear about similar events in the future?</b>	From Colleague	2
	Yes	15

## **Testimonials**

1. Overall the workshop was good and satisfactory leading to new ideas and plans for the implementation in research work.
2. Venture Center should provide accommodation facility for outside candidates in hostels or guest house. You should provide Wi-Fi facility during workshop.
3. Workshop was excellent. I learnt basics of Flow cytometry. If you can extend it to another one week it would have helped a lot. Please try to provide accommodation nearby Venture Center. We found difficulty in food management for dinner.
4. It very nice workshop, fulfill the knowledge.
5. The workshop session was interesting and my knowledge of flow cytometry was upgraded. Overall it's good.
6. The flow cytometry workshop is very much helpful for us. We learnt from history to data analysis & interpretation. I request you to extend the time to learn the practical experiments & different assays used for the research scholar.
7. May be we can inculcate more applications of flow cytometry & give an option to the participants to allow to attend the workshop they need in these sessions, e.g. medicine person may be more interested in the treatment than diagnosis. A pharmacist may be more interested in medicine research so, to each its own.
8. This session was very informative & would love to visit it again & again for other workshops.