

17th Indo-US Cytometry Workshop on APPLICATIONS OF LASER FLOW CYTOMETRY IN BIOMEDICAL RESEARCH

14-18 March, 2016

Indian Institute of Science- National Center for Biological Sciences
Bangalore, INDIA

The Indo-US Cytometry workshops were initiated in 2001 with the express purpose of interfacing Indian researchers with international experts in laser flow cytometry. With the collaboration of instrument manufacturers who provide their latest instruments and staff for the workshops, a large number of researchers have been trained in the latest applications of flow cytometry in biomedical research and clinical diagnosis.

The Division of Biological Sciences, Indian Institute of Science will host a two day international symposium followed by three day laboratory workshop on "Applications of Laser Flow Cytometry in Biomedical Research from 14-18 March, 2016. The workshop will be conducted by the Live Education Task Force of the International Society for the Advancement of Cytometry (ISAC) as part of the 17th Indo-US cytometry workshop series and hosted by the Indian Institute of Science and the National Center for Biological Sciences, Bangalore.

Modules offered for the workshop:

- LM1: Basics of flow cytometry and 'Build your own cytometer' (BYO) — H. Krishnamurthy and William Telford
- LM 2: DNA Content, Cell Cycle and Proliferation — Awtar Krishan
- LM 3: Apoptosis Studies in flow cytometry — William Telford
- LM 4: Infectious and Parasitic Disease Monitoring with emphasis on HIV and malaria—Kovit Pattanapanyasat
- LM 5: Electrostatic cell sorting — Zosia Maciorowski and Joe Trotter
- LM 6: Polychromatic Flow cytometry, spectral overlap and compensation — Zosia Maciorowski and Darren Ellemor
- LM 7: Data Analyses and Presentation — Hemant Agrawal
- LM 8: Plant DNA Cytometry — Latha Rangan
- LM 9: Lymphocyte subset analyses — N. Badrinarayan
- LM 10: Identifying cytokine secretion in rare innate immune cells following infection of animals with strains of *Mycobacterium bovis*-BCG— S. Vijaya
- LM 11: Antigen Quantification — Paresh Jain and Dipankar Nandi
- LM12: FCM vs LSCM: Correlation between 2 high end cytometry techniques in quantifying protein expression in immune cells — Uttara Chakraborty

For further details please visit website: www.fcm2016.in

INVITED SPEAKERS & FACULTY

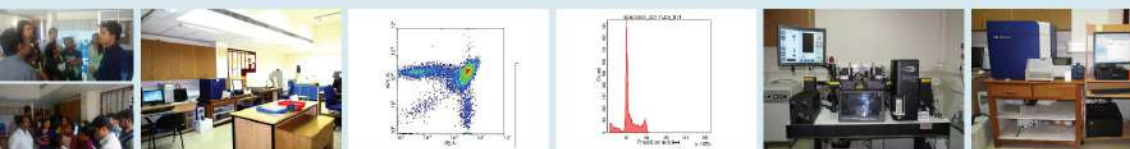
Awtar Krishan, University of Miami, USA
H. Krishnamurthy, NCBS, India
William Telford, NIH, USA
Kovit Pattanapanyasat, Mahidol University, Thailand
Joe Trotter, BD Biosciences, USA
Zosia Maciorowski, Curie Institute, France
Paresh Jain, BD Biosciences, India
Mitali Chatterjee, IPGIMER, West Bengal, India
Latha Rangan, IIT, Guwahati, India
Hemant Agrawal, De Novo, Flowcytometry Solutions, India
Darren Ellemor, BD Biosciences, Singapore
S. Vijaya, IISC, India
Dipankar Nandi, IISC, India
Annapoorni Rangarajan, IISC, India
Sai Siva Gorthi, IISC, India
Badri Narayan Natarajan, Beckman Coulter, India
Ram Yadav, IISER, Mohali, India
Sumeet Gujral, TMC, India
Udaykumar Ranga, JNCASR, India
Alok Dhawan, IITR, India
Vineeta Bal, NII, India
Rekha Gaur, ACTREC, India
T. A. Nagarjuna, BD Biosciences, India
G. Venkatasubramanian, NIMHANS, India
Amitav Mohanty, Beckman Coulter, India
Uttara Chakraborty, IISc, India

THE INDO-US WORKSHOP COORDINATORS (ISAC)

Awtar Krishan
University of Miami, USA
H. Krishnamurthy
NCBS, India

MEMBERS OF ORGANIZING COMMITTEE

D.N. Rao, BC, IISC
Dipankar Nandi, (Convener) BC, IISC
P. Kondaiah, MRDG, IISC
Dipshikha Chakravorty, (Secretary) MCBL, IISC
Utpal Nath, (Treasurer) MCBL, IISC
Annapoorni Rangarajan, MRDG, IISC
R. Manjunath, BC, IISC
K.N. Balaji, MCBL, IISC
S. Vijaya, MCBL, IISC
Sathees Raghavan, BC, IISC
Deepak Saini, MRDG, IISC
Shyamala Mani, CNS, IISC
William R. Surin, MCBL, IISC
Uttara Chakraborty, (Organising Secretary) Bio-imaging and Flowcytometry Facility, IISC



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