

Workshop on Cell Sorting 2018
Venue: Department of Biochemistry, AIIMS, New Delhi
Dates: 31st October- 1st November, 2018
Workshop Coordinator: Dr. Kalpana Luthra & Dr. Jasmita Dass

| Day 1 | |
|---------------------|---|
| 09:00 AM -09.15 AM | Welcome and Introductions |
| 09:15 AM -9.45 AM | Science of Cell Sorting: <i>Dr. Paul Wallace</i> |
| 09:45 AM -10.15 AM | Application of Cell Sorting: <i>Dr. Kalpana Luthra</i> |
| 10:30 AM – 11:00 AM | Tea |
| 11:00 AM- 1.00 PM | Interactive Demo |
| | Setting up the sort (Frequency/Amplitude/Drop 1/Gap, Drop Delay, Test sort, Sort Layout Option); Four way bead sorting |
| 1:00 PM – 2:00 PM | Lunch |
| 2:00 PM – 3:30 PM | Participants practice setting up sort and bead sorting |
| 3:30 PM – 4:00 PM | Tea |
| 4:00 PM – 5.30 PM | Interactive Demo |
| | Cell Sorting using CD3/CD19/CD45/CD14 (Nozzles of different sizes; with or without doublet discrimination; Using various Purity/Yield Masks |
| 5:30 PM | Wind up for the day |
| Day 2 | |
| 09:00 AM -09.30 AM | Review of Day 1 |
| 09:30 AM -10.00 AM | Discussion: Tips and Tricks Keeping cells healthy, Sample Preparation, Buffers Reviewing nozzle maintenance and sonication Reviewing decontamination procedures Reviewing AMO and Temperature control options |
| 10:30 AM – 11:00 AM | Tea |
| 11:00 AM- 1.00 PM | Interactive Demo |
| | Large Cell Sort and/or DNA based cell sorting and/or Plate (ACDU) sorting for single cells |
| 1:00 PM – 2:00 PM | Lunch |
| 2:00 PM – 3:30 PM | Participants practice cell sorting |
| 3:30 PM – 4:00 PM | Tea |
| 4:00 PM | Feedback and Valedictory |