**1st TAIWAN ­­­­­­­­FLOW CYTOMETRY WORKSHOP**

**Sponsored by the Live Education Task Force of**

**The International Society for the Advancement of Cytometry**

**Hosted by the Genomics Research Center, Academia Sinica.**

**20-22ND October, 2018**

**Faculty**

**Awtar Krishan, Bill Telford, Brent Wood, Zosia Maciorowski, Vivek Tanavde, Kovit Pattanapanyasat, David Hedley, Sue Chow, Hemant Agrawal, Matthias Schiemann, Shao-Min Han, Oscar Perng, John Kung, Chia-Ning Shen.**

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| **Oct. 20th, Saturday**  **Lectures 1-3** | | |
| **08.00-08.30** | **Registration** | |
| **08.30-09.00** | **Introduction and opening remarks. Chia-Ning Shen, Wen Lu** | |
| **09.00-10.00** | **Lecture 1: Make your own Flow Cytometer. Bill Telford** | |
| **10.00-11.00** | **Lecture 2: Flow Cytometry and the Study of Malaria.**  **Kovit Pattanapanyasat** | |
| **11.00-12.00** | **Lecture 3: Leukemia Phenotype. Brent Wood** | |
| **12:00-13.00** | **Lunch** | |
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| **Labs 1-3** | | |
| **13:00-17:30 PM**  Slot 1 : 13:00-15:00  Slot 2 : 15:30-17:30 | **Lab-1: Make your own Flow Cytometer. Bill Telford,**  **Xu Wu, Cloe Chang, Kate Chen** | |
| **13:00-17:00 PM**  Slot 1 : 13:00-15:00  Slot 2 : 15:30-17:30 | **Lab-2: Enumeration of CD34+ hematopoietic stem cells using the ISHAGE protocol. Vivek Tanavde,**  **Angela Wei, Robin Hu** | |
| **13:00-17:00 PM**  Slot 1 : 13:00-15:00  Slot 2 : 15:30-17:30 | **Lab-3: Leukemic Phenotype and MRD. Case presentations. Brent Wood and Shao-Min Han** | |
| **18:00-20.00** | **Dinner Reception** | |
| **October 21, Sunday**  **Lectures 4-6** | | |
| **09.00-10.00** | **Lecture-4: Signaling Pathways Monitoring. David Hedley.** | |
| **10.00-11.00** | **Lecture-5: Stem Cell Analysis. Vivek Tanavde** | |
| **11.00-12.00** | **Lecture-6: Cell sorting. Matthias Schienmann.** | |
| **12:00-13.00** | **Lunch** | |
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| **Lab 4-5** | | |
| **13.30-15.30** | **Lab-4: Data Analysis and Presentation. Hemant Agrawal** | |
| **15.30-17.00** | **Lab-5: FlowJo training. Cloe Chang, Kate Chen.** | |
| **19.00-21.00** | **Dinner** |  |
| **October 22. Monday**  **Lectures 7-9** | | |
| **09.00-10.00** | **Lecture -7: Polychromatic Flow Cytometry.**  **Zosia Maciorowski,** | |
| **10.00-11.00** | **Lecture-8: Proliferation and Differentiation road Map in Viral infected Stem Cells. Oscar Perng** | |
| **11.00-12.00** | **Lecture-9: Unparalleled power of combining analytical and sorting capabilities of the FACS in studying lymphocyte development and function.**  **John Kung** | |
| **12.00-13.00** | **Group Photo and Lunch** | |
| **Labs 6-8** | | |
| **13.00-15:30** | **Lab-6: Signal Transduction. David Hedley and Sue Chow, Juan Du, Grace Lin** | |
| **13.00-15:30** | **Lab-7: Polychromatic Flow Cytometry. Zosia Maciorowski, Xi Yang, Cloe Chang** | |
| **13:00-15:30** | **Lab-8: Cell sorting. Matthias Schienman,**  **Xiaoqun Zhou, Kate Chen** | |
| **15.40-16.30** | **Quiz and Evaluation** | |
| **16:30-18:00** | **Highlight Speech: The Immune System in the Era of Cytomics. Andrea Cossarizza** | |
| **19.00-21.00** | **Graduation Ceremony and Dinner** | |