



Locație: Splaiul Independenței 91-95, PCBEȘ, 3rd floor, Room 301

Researchers and medical professionals interested in immunology and flow cytometry are invited to attend the *Design and Validation of Panels for Multi-Color Flow Cytometry* workshop, which offers theoretical lectures as well as case studies that facilitate discussions.

Prerequisites: Knowledge of the basic principles of flow cytometry, background in immunology and/or cell biology.

| Workshop agenda                                             |                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 09:30-10:00                                                 | <b>Welcome and registration</b>                                                                                                                                                                                                                                                                                                           |
| 10:00-10:20                                                 | Advanced Principles of above 5 colors flow cytometry<br><i>L. Măruțescu, Faculty of Biology, University of Bucharest</i>                                                                                                                                                                                                                  |
| 10:20-10:45                                                 | <b>Deeper approach on Principle of fluorescence</b><br><i>C. Lambert, LCOMS/ENOSIS Université de Lorraine, Metz, France</i>                                                                                                                                                                                                               |
| 10:45-11:10                                                 | <b>Recent innovations in Fluorescence detection</b><br><i>C. Lambert, LCOMS/ENOSIS Université de Lorraine, Metz, France</i>                                                                                                                                                                                                               |
| 11:10-11:30                                                 | Coffee break                                                                                                                                                                                                                                                                                                                              |
| <b>Experimental Design panels of 5 colors and 10 colors</b> |                                                                                                                                                                                                                                                                                                                                           |
| 11:30-12:00                                                 | <b>Examples of multicolor panels and best practices for panel optimization</b><br>(Case studies: anti-tumor immune response in ovarian cancer mouse ascites, umbilical cord blood cells immunophenotyping, antigen-specific B cells in immunized rabbit splenocytes)<br><i>L. Sima, Institute of Biochemistry of the Romanian Academy</i> |
| 12:00-12:30                                                 | <b>Upgrading to more than 5 color panels</b><br><i>C. Lambert, LCOMS/ENOSIS Université de Lorraine, Metz, France</i>                                                                                                                                                                                                                      |
| 12:30-13:00                                                 | <b>Immunophenotyping of antigen-specific B cells from human PBMCs</b><br><i>L. Măruțescu, Faculty of Biology, University of Bucharest</i>                                                                                                                                                                                                 |
| 13:00-13:30                                                 | Discussions                                                                                                                                                                                                                                                                                                                               |
| Adjourned                                                   |                                                                                                                                                                                                                                                                                                                                           |

## APLICATII CLINICE MODERNE ALE IMUNOFENOTIPARII IN DIAGNOSTIC SI TRATAMENT IN HEMATOLOGIE

Locație: Institutul Clinic Fundeni; Sos. Fundeni nr. 258, sector 2

|                    | JOI 14 NOIEMBRIE 2024                                                                                                                                                                             |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12:30– 13:00       | <b>Înregistrare</b>                                                                                                                                                                               |
| 13:00 – 13:15      | <b>DESCHIDEREA OFICIALĂ</b><br>Horia BUMBEA – Presedintele Asociatiei de Citometrie<br>Lydia CAMPOS – Presedintele de onoare a Asociatiei de Citometrie                                           |
| 13:15– 14:45       | <b>Analiza celulelor CAR prin imunofenotipare prin citometrie de flux (aplicatii, timing, monitorizare)</b><br>Codruta POPA – seful Laboratorului Clinic de Hematologie Institutul Clinic Fundeni |
| 14:45– 15:00       | <b>Pauza de cafea</b>                                                                                                                                                                             |
| 15:00– 16:00       | <b>Analiza practica a celulelor CAR</b>                                                                                                                                                           |
| 16:00– 17:30       | <b>Analiza prin imunofenotipare prin citometrie in flux in diagnosticul hemopatiilor maligne</b><br>Horia BUMBEA, Codruta POPA, Mihaela BAICA, Mihaela ZLEI                                       |
| <b>19:00-23:00</b> | <b>Cină Aniversară</b>                                                                                                                                                                            |