

FRIDAY

GLIIFCA 28 CORE FACILITY MANAGERS' WORKSHOP (DENNISON 1-2-3)

12:00 PM – 5:00 PM

This workshop offers perspectives on developing marketing strategies for core facilities as well as addressing public relations and conflict resolution. Core managers and staff can network with colleagues facing similar challenges marketing and running flow core facilities. We will have a discussion regarding the challenges of educating our users on Current Best Practices in flow cytometry to build rigor and reproducibility into research. In addition, attendees are encouraged to bring their own issues for a general networking session. Come prepared to actively participate in this workshop. We look forward to learning from everyone's experiences.

12:00 PM - 12:15 PM	<i>Opening Networking Luncheon: Welcome and Introductions, Matt Cochran, Sally Quataert, Dagna Sheerar, Vicki Smith, Ann Marie DesLauriers-Cox, GLIIFCA Organizing Committee</i>
12:15 PM – 12:45 PM	<i>Branding Your Core Facility Services: How Marketing Support Can Help, Dagna Sheerar, Manager, UWCCC Flow Lab, University of Wisconsin—Madison</i>
12:45 PM – 1:30 PM	<i>The Ins and Outs of Developing Proper Marketing Plans and How to Apply Them in a Core Facility. David Leclerc, Technical Director, University of Chicago</i>
1:30 PM – 2:30 PM	<i>Conflict Resolution, Jessica Back, Wayne State University; Ann Marie DesLauriers-Cox, University of Michigan</i>
2:30 PM – 3:00 PM	<i>Coffee and Refreshments</i>
3:00 PM – 4:00 PM	<i>Marketing and Public Relations in the Shared Service Laboratory in Response to Manufacturer Marketing Myths, Group discussion led by organizing committee</i>
4:00 PM – 4:45 PM	<i>Identification and Dissemination of Best Practices for Research Labs, Fabienne Lucas, Brigham and Women's Hospital, Boston, MA; Matt Cochran, University of Rochester, Rochester, NY</i>
4:45 PM - 5:00 PM	<i>Closing Thoughts and Ideas</i>

Thank you to GLIIFCA for generous sponsorship of this workshop

Organizing Committee: **Matthew Cochran, Vicki Smith, Sally Quataert, Dagna Sheerar, Ann Marie DesLauriers-Cox**

OPENING RECEPTION (COVINGTON BALLROOM)

The Opening Reception will take place in the **Salon ABCDE** from **6:00 PM** to **9:30 PM**. Come and interact with the Vendors and fellow GLIIFCA conference participants!

GLIIFCA CONFERENCE OPENING RECEPTION SPONSORED BY

SONY

ThermoFisher
SCIENTIFIC

INDUSTRIAL SCIENCE SYMPOSIUM (SALON FGH)

Session Chairs: Christiane Hassel (Indiana University), Karen Domenico (Cincinnati Children's Hospital), Louis King (Michigan State University), and Fabienne Lucas (Brigham & Women's Hospital)

6:30 PM - 6:35 PM	Industrial Science Symposium Introduction
6:35 PM - 6:50PM	<i>Tools for VHH (Nanobody) Discovery and Application</i> , Dr. David Fancy , Jackson ImmunoResearch.
6:50PM - 7:05PM	<i>Namocell: The Fastest Way to a Single Cell</i> , Soohee Cho , Namocell
7:05PM - 7:20PM	<i>NTA: a complement to Flow Cytometry</i> , Dr. Ray K. Eby , Particle Metrix, Inc.
7:20 PM – 7:35 PM	<i>TotalSeq™ Antibodies Standardized Antibody-Oligo Conjugates for CITE-Seq™, or Single-cell Proteogenomics</i> , Dr. Nathan Lucas , BioLegend
7:35 PM – 7:50 PM	<i>The Antibody Crisis: Leveraging machine learning for AI-assisted antibody selection</i> , Dr. Maurice Shen , BenchSci
7:50PM - 8:05PM	<i>The Maxpar Direct Immune Profiling Assay for CyTOF systems: 30 markers. 1 tube. 5-minute data analysis</i> , Clare Rogers , Fluidigm
8:05PM - 8:20 PM	<i>High Sensitivity Flow Cytometry Enables Extracellular Vesicle Immunophenotyping</i> . Dr. Haley Pugsley , Luminex Corporation
8:20PM - 8:35PM	<i>Multiple modalities of NanoString GeoMx™ Digital Spatial Profiler allow for spatially resolved, multiplexed quantification of protein and mRNA distribution and abundance</i> , Seth Meyers , NanoString Technologies
8:35PM - 8:50PM	<i>Using the CytoFLEX Flow Cytometer to Enable Single Particle Analysis of Extracellular Vesicles</i> , Kimmer Graham , Beckman Coulter

SATURDAY

Breakfast will be available in the Exhibit/Poster area in Salon ABCDE from 7:00 AM to 8:00 AM

ALL OF THE ORAL PRESENTATIONS WILL BE DELIVERED IN **SALON FGH**

8:00 AM - 8:15 AM	<i>Welcome Address</i> : Rachael Sheridan (GLIIFCA President)
--------------------------	--

SESSION 1: YOUNG IMMUNOLOGISTS (SALON FGH)

Session Chairs: Dagna Sheerar (University of Wisconsin)

Michael Clemente (Western Michigan University School of Medicine)

8:15 AM - 9:00 AM	<i>Regulating How T Cells Recognize and Respond to Antigen</i> , Adam Courtney , Asst. Prof. Department of Pharmacology, University of Michigan, Ann Arbor, MI
9:00 AM - 9:45 AM	<i>Aging of B-1a Cell Derived Natural Antibodies</i> , Nichol Holodick , Asst. Prof. Biomedical Sciences, Western Michigan University School of Medicine, Kalamazoo, MI
9:45 AM - 10:30 AM	<i>New Insights into B Lymphocyte Function in Immunological and Reproductive Health</i> , Kang Chen , Asst. Prof. Obstetrics and Gynecology, Biochemistry Microbiology and Immunology, Oncology, Wayne State University, Detroit, MI
10:30 AM - 11:00 AM	<i>Coffee Break</i> sponsored by ACEA Biosciences

THE 2019 CARLETON AND SIGRID STEWART KEYNOTE LECTURE (SALON FGH)

Introduction: Joe Tario (Roswell Park)

11:00 AM - 11:45 AM	<i>High Risk Glioblastoma Cells Revealed by Machine Learning and Single Cell Signaling Profiles</i> , Jonathan Irish , Asst. Prof. Cell and Developmental Biology, Vanderbilt University, Nashville, TN
----------------------------	--

LUNCHTIME ROUNDTABLE WORKSHOPS (DENNISON 1-4, NILES 1-2, AND ATHENS)

Workshop Organizers: Dagna Sheerar (University of Wisconsin), and Sherry Thornton (Cincinnati Children's Hospital and University of Cincinnati)

11:45 AM - 1:30 PM	<i>Multiple parallel roundtable workshops.</i>
---------------------------	--

SESSION 2: HIGH DIMENSIONAL FLOW CYTOMETRY (SALON FGH)

Session Chairs: David Leclerc (University of Chicago)

Laura Johnston (University of Chicago)

Sponsored by: BD Biosciences and Fluidigm

1:30 PM - 2:15 PM	<i>Deep Ultraviolet and Near Infrared: Extending High Dimensional Flow Cytometry with Novel Laser Wavelengths</i> , William Telford , Head, ETIB Flow Cytometry Facility, NIH Bethesda, MD
2:15 PM - 3:00 PM	<i>Dissecting the Tumor Micro-Environment using High Dimensional Spectral Cytometry</i> , Ryan Duggan , Senior Scientist Immuno-Oncology / Cytometry, AbbVie, Chicago, IL
3:00 PM - 3:45 PM	<i>Visualizing High Dimensional Diversity of Immune Cells in Health and Disease with Computational Analysis Tools</i> , Anna Belkina , (ISAC SRL Emerging Leader) Asst. Prof. Pathology and Laboratory Medicine, Boston University, Boston, MA
3:45 PM - 4:15 PM	<i>Coffee Break</i> sponsored by Spherotech

SESSION 3: CLINICAL AND TRANSLATIONAL CYTOMETRY (SALON FGH)

Session Chairs: Sherry Thornton (Cincinnati Children's Hospital)

Matthew Bernard (Michigan State University)

4:15 PM - 5:00 PM	<i>Endothelial Cells in the Genesis of Asthma</i> , Kewal Asosingh , Associate Professor, Department of Inflammation and Immunity, Cleveland Clinic Lerner Research Institute, Cleveland OH
5:00 PM - 5:45 PM	<i>Detecting Signature Patient Responses to Immuno-oncology Therapy Using High-dimensional Flow Cytometry</i> , Derek Jones , (ISAC SRL Emerging Leader) Technical Director Flow Cytometry Core, University of Pennsylvania, Philadelphia, PA
5:45 PM - 6:30 PM	<i>Implementation of the OGATA Score in Screening for Myelodysplastic Syndrome</i> , Mike Keeney , President ICCS, Associate Scientist, Lawson Health Research Centre, Coordinator Flow Cytometry, London Health Sciences Centre, London, ON

POSTER SESSION (SALON ABCDE)

6:30 PM - 8:00 PM *Poster Session*

6:30 PM - 7:30 PM *Wine and Cheese Happy Hour* sponsored by Beckman Coulter, BenchSci, and Leinco

THE WINE AND CHEESE HAPPY HOUR IS SPONSORED BY



SOCIAL ACTIVITIES (MEDITERRANEAN ROOM)

8:00 PM - 11:30 PM GLIIFCA 28 Banquet (Wigged out 'Stache Bash)

11:30 PM - 2:00 AM Post-banquet Scientific Networking

SUNDAY

Breakfast will be available in the Exhibit/Poster area Salon ABCDE from 8:00 AM to 9:00 AM

STEERING COMMITTEE MEETING (DENNISON 1-2-3)

8:00 AM – 8:50 AM GLIIFCA Steering Committee Breakfast

SESSION 4: NANOSCALE CYTOMETRY (SALON FGH)

Session Chairs: David Adams (University of Michigan)

Galina Petrova (Medical College of Wisconsin)

Sponsored by: Beckman Coulter

9:00 AM - 9:45 AM *Flow Virometry: Flow Cytometry for Virologists*, **Vera Tang**, (ISAC SRL Emerging Leader), Manager Flow Cytometry Core Facility University of Ottawa, Ottawa, ON

9:45 AM - 10:30 AM *Microparticles in Kidney Injury*, **Begoña Campos-Naciff**, University of Cincinnati Department of Internal Medicine-Nephrology

10:30 AM - 11:00 AM *Coffee Break*

SESSION 5: IMAGING CYTOMETRY (SALON FGH)

Session Chairs: Kathryn Fox (University of Wisconsin)

Jessica Back (Wayne State University)

11:00 AM - 11:45 AM *Automated Identification and Quantification of Signals in Multichannel Immunofluorescence Images*, **Jonathan Hall**, Research Data Technician, Haab Lab, Van Andel Research Institute

11:45 AM - 12:30 PM *"Cytometry au naturel": Classifying cells by label-free Imaging Flow Cytometry and Advanced Computer Vision*, **Andrew Filby**, Cytometry Core Platform, Institute of Cellular Medicine, Faculty of Medical Sciences, Newcastle University, Newcastle upon Tyne

12:30 PM - 12:35 PM *Closing Remarks*

