

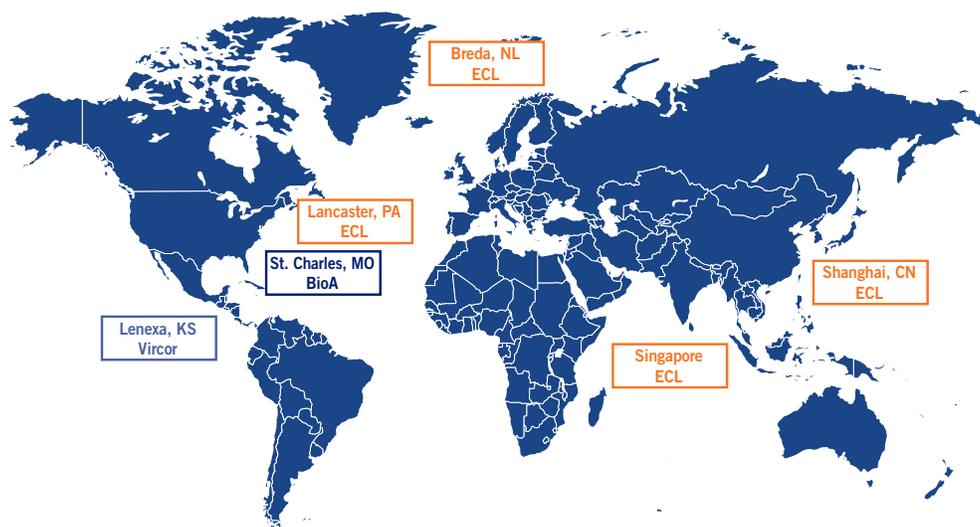
## Eurofins Integrated Flow Cytometry

Flow cytometry has become a critical tool in the development of therapeutic modalities which impact the immune system. The increase in client demand for flow cytometry services in oncology, immunology, and infectious disease, has spurred Eurofins Biopharma to invest significantly in industry-leading technologies, experienced assay development scientists, and bioinformaticians; to enable us to better support clinical development today and into the future.

We have long provided custom flow cytometry assay development, validation and analysis to fit our customers' needs, but with the creation of our new flow cytometry centers of excellence, we are well positioned to provide custom global solutions, with our integrated team of scientific experts, across a broad range of flow cytometry applications.

### Eurofins Global Flow Cytometry Network

Over 20 Years of Experience



#### Immunophenotyping

- TBNK (IVD/CE)
- B cell subsets
- CD34 Stem cells
- CD4 T cell subsets (Th1, Th2, Th17, Th22, Thf, Treg)
- NK cell subsets
- T cell exhaustion, activation, checkpoint
- T cell subsets (Naïve, CM, EM, Tdiff)
- DCs (pDC, mDC1, mDC2)
- Eosinophils
- Monocytes

#### Ag-specific/Functional

- Intracellular Cytokines
- Ex vivo stimulation
- Tumor associated antigens
- Viral antigens
- Tetramer staining
- Tumor associated antigens

#### Functional Assays

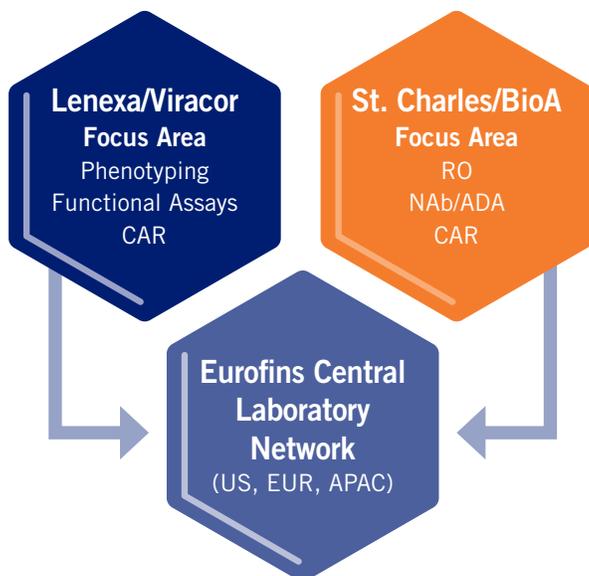
- Basophil activation test (BAT)
- CFSE proliferation assay
- NK cell functional assay
- Neutrophil functional assay (oxidative burst)
- Signaling (phosphorylation and acetylation)

#### Other

- Cellular Kinetics
- Engineered cells
- CAR-T cells
- Tumor associated antigens
- Immunogenicity (NAb /ADA)
- Receptor Occupancy

## Structure: Centers of Excellence

- Assay development and validation
- Sample testing
- Transfer assays, expertise and support to Eurofins Global Central Laboratories



## Leadership

**Virginia Litwin, Ph.D.,  
Director of Scientific Affairs**



- President-Elect, International Society for the Advancement of Cytometry (ISAC)
- 2023 Recipient of the Int'l Clinical Cytometry Society Wallace H. Coulter Award in recognition of contributions to science, education and practice of clinical cytometry
- Chair CLSI H62
- Co-founder AAPS Flow Cytometry Community
- Editor Special Issues:
  - JIM- Flow Cytometry Biomarkers and Translational Medicine (2011)
  - Cytometry Part B- Receptor Occupancy (2015)
  - Cytometry Part B- Cytometry Advancing Next Generation Drug Development (2021)

## Instrumentation

### Lenexa, KS, USA (Viracor)

BD FACSymphony™A5 Spectrally Enabled, 5-laser, 48-color  
BD LSRFortessa™ Flow Cytometer, 3-laser, 14-color  
BD FACSCanto™ II Flow Cytometer, 3-laser, 8-color

### St. Charles, MO, USA (BioA)

BD FACSymphony™A5 Spectrally Enabled, 5-laser, 48-color  
Agilent NovoCyte Quanteon, 4-laser, 25-color  
BD FACSCanto™ II Flow Cytometer, 3-laser, 8-color

### Breda, Netherlands (Eurofins Central Laboratory)

BD FACSLyric™ 3-laser, 10-color  
FACSCanto™ II Flow Cytometer, 3-laser, 8-color

### Lancaster, PA, USA (Eurofins Central Laboratory)

BD FACSLyric™ 3-laser, 10-color  
FACSCanto™ II Flow Cytometer, 3-laser, 8-color

### Shanghai, China (Eurofins Central Laboratory)

FACSCanto™ II Flow Cytometer, 3-laser, 8-color

### Singapore, (Eurofins Central Laboratory)

FACSCanto™ II Flow Cytometer, 3-laser, 8-color



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Lit No. EBPS--03/2024. Printed in the USA.

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