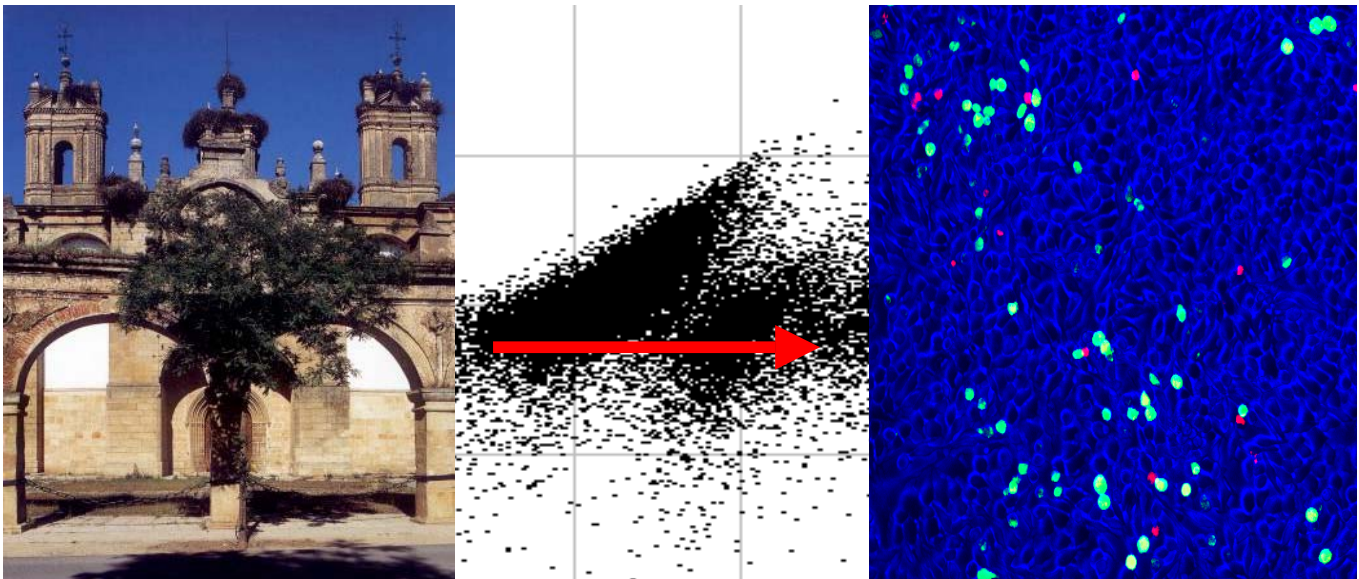


INTERNATIONAL WORKSHOP: THE CELL WITHIN CYTOMICS

**4-8 OCTOBER 2004,
Complejo Cultural San Francisco, CACERES, SPAIN**



ORGANIZED BY:

**Sociedad Ibérica de Citometría/Sociedade Ibérica de Citometria
Universitat de València-Estudi General
Centro Nacional de Investigaciones Cardiovasculares
Institut d'Investigacions Biomediques August Pi i Sunyer
Universidad de Extremadura**

HOSTED BY:



PRELIMINARY PROGRAM

October 4, 2004

Opening:

Welcome to Participants

Opening Lecture:

Gunter Valet (Max-Planck-Institut, Germany):
Towards a Human Cytome Project

Lecture Session: Essentials of Cytomics

Alberto Álvarez-Barrientos (Centro Nacional de Investigaciones Cardiovasculares, Spain):
From Laser Microscopy to Cytomics

Kay-Peter Schmidt (Olympus, Germany):
Laser Scanning Microscopy: To Medium, High-Throughput Screening Fluorescence Methods

Joan-Albert Vericat (Neuro-Pharma, Spain):
Overview of Genomic and Proteomic Technologies

José-Enrique O'Connor (Universidad de Valencia, Spain):
Flow Cytometry in Cytomics

LUNCH

Lecture Session: The Cell as a Target

Pilar Prieto (European Center for the Validation of Alternative Methods, European Commission, Italy)
The Need for Alternative Methods in Cell Toxicity Screening

Alicia Martínez-Romero (Universidad de Valencia, Spain):
Integrative Cytomic Studies of Cytotoxicity

Carlos Gutiérrez Merino (Universidad de Extremadura, Spain)
Oxidative and Nitrosative Stress by Cytomic Strategies

Mayte de los Frailes (Glaxo-Smith-Kline, Spain)
Cytomics in Drug Development: High-Throughput Screening with Fluorescent Methods.

PRELIMINARY PROGRAM

October 5, 2004

Lecture Session: Exploring Cell Function by Cytomic Strategies-I

Birgit Osterhoff (Bender MedSystems, Austria):
Bead-based Multiplexed Assays for Soluble Analytes

Ignacio Rodríguez Crespo (Universidad Complutense, Spain):
Cytomic Analysis of Protein Post-translational Modifications and their Cellular Effects

Isabel Fabregat (Universidad Complutense, Spain):
Cytomic analysis of Intracellular Signal Transduction and Cell Proliferation

Andrea Cossarizza (Università di Modena, Italy):
Cytomic Analysis of Apoptosis: Induction, Regulation and Execution

LUNCH

Lecture Session: Exploring Cell Function by Cytomic Strategies-II

Matias Haury (Instituto Gulbenkian, Portugal)
Multiparametric Analysis of Cell Functions

To be announced (GE Healthcare, United Kingdom)
Screening of RNAi through Cell Cycle Analysis

Robert C. Callaghan (Universidad de Valencia, Spain):
Functional Assessment of Subcellular Compartments

Guadalupe Herrera (Universidad de Valencia, Spain):
Functional Cytomics in Bacteria

PRELIMINARY PROGRAM

October 6, 2004

Lecture Session: Impact of Cytomics in Clinical Diagnosis, Prognosis and Research:

Gunter Valet (Max-Planck-Institut, Germany):
Predictive Medicine by Cytomics

Jordi Petriz (Institut d'Investigacions Biomediques August Pi i Sunyer, Spain):
New Cytomic Trends in Immuno-Hematology

José Carlos Segovia (CIEMAT, Spain)
Cytomic Assays for Stem Cells and Gene Therapy

Margarida Nadal (Institut de Recerca Oncològica, Barcelona)
New Strategies in FISH

Closing Lecture

Filipe Sansonetty (President, Sociedade Ibérica de Citometria, Portugal):
Learning Cytomics and Learning from Cytomics

LUNCH

FREE AFTERNOON AND SOCIAL EVENTS

PRELIMINARY PROGRAM

October 7, 2004

Practical Sessions 1-2:

1. Introduction to flow cytometric data acquisition and analysis
2. Introduction to confocal microscopy data acquisition and analysis
3. Cytomic analysis of cytokine secretion and extracellular cytokine content
4. Cytomic analysis of bacterial biochemistry *in vitro*
5. Cytomic analysis of environmental samples

October 8, 2004

Practical Sessions 3-4 :

1. Cytomic analysis of signal transduction: Ca²⁺ mobilization and protein phosphorylation
2. Cytomic analysis of cell proliferation: Cell cycle and cell tracking
3. Cytomic analysis of apoptosis and necrosis
4. Cytomic analysis of *in vitro* toxicity on mammalian and bacterial cell cultures
5. Cytomic analysis of mitochondrial membrane potential on mammalian cell cultures
6. Cytomic analysis of oxidative and nitrosative stress on mammalian cell cultures

PRELIMINARY PROGRAM

REGISTRATION

The Workshop accepts **50** participant for Lecture Sessions and **20** participants for Practical Demonstrations

The registration fees are:

A) Members of the Sociedad Ibérica de Citometría:

Lecture sessions: **400 €**; Lecture sessions plus Practical demonstrations: **600 €**

B) Non Members:

Lecture sessions: **500 €**; Lecture sessions plus Practical demonstrations: **700 €**

C) Students:

Lecture sessions: **300 €**

Fees include Workshop registration, Workshop materials, lunches, coffees and Social Dinner

More information at:

jose.e.oconnor@uv.es aalvarezb@cnic.es

SCIENTIFIC COMMITTEE

- Alberto Alvarez-Barrientos, Centro Nacional de Investigaciones Cardiovasculares, Spain
- Robert C. Callaghan, Universidad de Valencia, Spain
- María Jesús Lorenzo-Benayas, Universidad de Extremadura, Spain
- José Enrique O'Connor, Universidad de Valencia, Spain
- Jordi Petriz, Institut d'Investigacions Biomèdiques August Pi i Sunyer, Barcelona, Spain
- Filipe Sansonetty, Universidade do Minho, Portugal
- Gunter Valet, Max-Planck-Institut für Biochemie, Germany

SPONSORS

Sociedad Ibérica de Citometría; Diputación de Cáceres; Beckman-Coulter; Bender MedSystems; Bio-Rad; Caltag; Dako-Cytomation; GE Healthcare; Innogenetics; Izasa; Olympus

PRELIMINARY PROGRAM

REGISTRATION FORM
 International Workshop "The Cell Within Cytomics"
 Complejo Cultural "San Francisco", Cáceres, Spain. October 4-8, 2004

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|--|--------------------------------|--------------------------------|--------------------------------|
| Surname: | Name: | Title: | |
| Mail Address: | | | |
| City: | ZIP Code: | Country: | |
| E-mail address: | Phone: | FAX: | |
| Are you a Member of the Sociedad Iberica de Citometria/Sociedade Ibérica de Citometria? | YES <input type="checkbox"/> | NO <input type="checkbox"/> | |
| PLEASE, CHECK THE APPROPRIATE REGISTRATION | | | |
| | Member of the SIC | Non-Member | Student* |
| Lecture Sessions | <input type="checkbox"/> 400 € | <input type="checkbox"/> 500 € | <input type="checkbox"/> 300 € |
| Lecture Sessions + Practical Demonstrations | <input type="checkbox"/> 600 € | <input type="checkbox"/> 700 € | |
| Total Registration Fees |€ | | |
| PAYMENT | | | |
| <p>Payments must be done by funds transfer to the Workshop bank account: Account title: Cytomics-2004 IBAN account code: ES90 2077 0024 0031 0287 9803 Bank: BANCAJA. Office 024. SWIFT Code: CVALESVXXX Address: Doctor Moliner, 2. 46010-Valencia, SPAIN. Bank transfer costs should be assumed by registrants</p> | | | |
| INSTRUCTIONS | | | |
| <p>Please, fill in this Registration Form and send by e-mail (as attached file), FAX or post mail to the Secretariat: José-Enrique O'Connor. Departamento de Bioquímica y Biología Molecular, Facultad de Medicina, Avda. Blasco Ibáñez, 17. 46010-Valencia, SPAIN. e-mail: jose.e.oconnor@uv.es - FAX: +34 963 86 4001 or +34 963 86 4173 - Phone: +34 963 86 4988 Registrations will be acknowledged only after funds transfer to the Workshop bank account are effective. The Organization will issue invoices when required.</p> | | | |