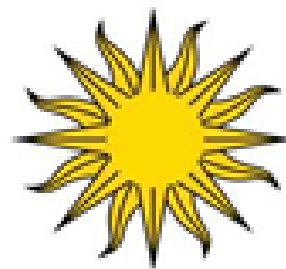




International

Summer
School



on Cytometry

Pack-and-Go for the

ESCCA Fifth International Summer School on Cytometry

Valencia, Spain 26-30 June and 3-7 July 2017

Only a few days before the start of the **ESCCA Fourth International Summer School on Cytometry**. Find below some practical information for your travel and participation. Please do not forget to ask for receipts of the expenses related to your travel to/from Valencia, in order to be reimbursed.

1. COURSE VENUE

Department of Biochemistry and Molecular Biology (“Departamento de Bioquímica”)
Faculty of Medicine (“Facultad de Medicina”), the University of Valencia
Avenida Blasco Ibáñez, 17. 46010 Valencia, Spain
(Departamento de Bioquímica y Biología Molecular, Facultad de Medicina de la Universidad de Valencia, Avenida Blasco Ibáñez, 17. 46010 Valencia, España)
Phone: +34 96 386 4988 /+34 96 386 4186 (Contact: Enrique O’Connor)
Website: www.uv.es/mediodont
Googlemaps: <http://goo.gl/maps/7KxVG>

As a special occasion, on Friday 30 June the Courses of the Summer School will be held in the facilities of the Oceanographic and the Principe Felipe Research Center, at the City of Sciences and Arts.

Website: <http://www.cac.es/es/home.html>

The organization will provide transportation from the Faculty of Medicine to the Oceanographic.

2. TEACHERS AND STUDENTS ACCOMMODATION

Residencia Universitaria San Francisco Javier

Avenida Blasco Ibáñez, 55.
46021 Valencia
Phone: +34 963 69 58 54 (Contact: Ms Mayte Luque)
Website: www.residenciauniversitariasfj.es
Googlemaps: <http://goo.gl/maps/3j7HG>

The Residence is located at 10-minute walking distance of the School Venue. The standard accommodation fees charged by the Summer School include Bed & Breakfast rate in single room for 6 nights (Sunday to Friday, checking out on Saturday am). Additional nights that have not been booked through the Summer School, should be negotiated directly with the Reception Desk. Breakfast is served from 7:00 to 9:30 (Saturdays from 8:00 a 9:30). Dinners (not included) are served from 21.00 to 22.30. The residence is air-conditioned and has free access to internet (Wi-Fi) and Fitness Room.

3. HOW TO REACH THE COURSE VENUE AND RESIDENCE

A) From Valencia Airport (Manises):

The course venue and the University Residence are located only 30 minutes from Valencia Airport. See the following websites for more information:

<http://www.turisvalencia.es/es/home>
<http://www.aeropuerto-valencia.com/>

Arriving by Taxi:

<http://www.aeropuerto-valencia.com/transportes/taxis-aeropuerto-valencia.htm#>

Taxis are white-color in Valencia, and are parked in front of the airport Arrivals exit. The fare of the trip Airport-City Center is about 20 €.

Arriving by Metro:

<http://www.metrovalencia.es/page.php?idioma= en>

The Airport Metro Terminal is located on underground level, and can be accessed via the escalators located to the left of the Arrivals area. Tickets can be purchased at the counter or in the automated vending machines. Cost of ticket is 3.90 €, and are indicated as “tarifa aeropuerto”.

The line going directly to the University area is “**Línea L3**”, directions: Rafelbunyol, Alboraya-Peris Aragó or Machado (color code: red). Be careful because there is another line “**Línea L5: Marítim Serrería - Torrent Av. / Aeroport**” (color code: green) that shares only part of the route.

For arriving both to the Course venue or the University Residence, please exit Metro at the station “**Facultats**”. The trip from Airport to Facultats is 25 minutes. Previous stop to “Facultats” is “Alameda”.

For walking to the Residence, take the escalator at your left, cross the checkpoint in the main hall and then take the stairway at your right to the exit “**Hospital Materno Infantil**” and then walk for 10-12 minutes on the same sidewalk to reach the Residence. Alternatively, there is a taxi station at the right-side exit (“**Hospital Clínico-Facultad de Medicina**”). Taxi to the residence is 4 €.

For reaching the Course venue (Facultad de Medicina) take the escalator at your left, cross the checkpoint in the main hall and then take the stairway at your left to the exit “**Hospital Clínico-Facultad de Medicina**”, then find the Faculty of Medicine at 100 m at your right.

B) From Valencia High-Velocity Train Station (Estación Joaquín Sorolla):

Those of you arriving by high-velocity train from Madrid (AVE) or Barcelona (Euromed), please take a taxi at the station exit and go either to the University Residence or the Course Venue. Please ask for the receipt.

4. REGISTRATION

Registration Desk - Opening hours:

Monday 26 June: 8.30-9.00 (for the Courses running on 26 to 30 June)

Monday 3 July: 8.30-9.00 (for the Courses running on 3 to 7 July)

At these times, participants are invited to collect their badge and other conference materials, meet and greet their fellow participants.

5. PROGRAMS OF THE SUMMER SCHOOL COURSES

Below you can find the Program-at-a Glance of each Course in the Summer School. The final detailed programs of the Courses will be handed in the Registration. Note that all courses start at 9.00 h sharp, except on Fridays.

6. CERTIFICATE OF TEACHING

A certificate of teaching stating the number of contact hours will be given to the professors at the end of the Course.

7. COFFEE BREAKS AND LUNCHES

Coffee breaks and lunches during the Courses will be served in the University Cafeteria, located in the courtyard of the Faculty of Medicine. Attendants will receive tickets for Coffee Breaks and Lunches. Please keep your tickets. Lunches will be by self-service.

8. WELCOME GET-TOGETHER AND COURSE DINNER

Summer School will offer to attendants a Welcome Informal Get-Together party, served in the Hall of the Faculty of Medicine on Monday 26 June and Monday 3 July (19.00-20.45 h).

On Thursdays 29 June and 6 July, a Course Dinner (seafood and rice valencian specialties) will be served at 21.00 hours in **Restaurant Marisquería Kayuko**, at walking distance of the Faculty of Medicine. Please inform the Organization about any particular nutritional requirement or dislike.

Restaurant Address:

Calle Periodista Badía, 6 46010 Valencia

Googlemaps: <http://goo.gl/maps/uYPuo>

Phone: +34 963 62 88 88

9. GENERAL INFORMATION

Spain's electricity network operates at 220-240 Volts. Plugs are the regular continental type. You are advised to arrange adequate travel, health, and other insurance. The organisers will not be liable and will not compensate for any damage incurred to participants during the Courses. Participation is completely at the participant's own risk.

10. MORE QUESTIONS?

For other information:

Prof. José Enrique O'Connor, University of Valencia

Phone: +34 96 386 4988 /+34 96 386 4186

Email: jose.e.oconnor@uv.es

We look forward welcoming you to Valencia!



Línies / Líneas

- 1** Bètera - Villanueva de Castellón
- 2** Llíria - Torrent Avinguda
- 3** Rafelbunyol - Aeroport
- 4** TRAMVIA / TRANVIA
Mas del Rosari - Dr. Lluch
Ll. Llarga Terramellar - Empalme
- 4** Circula solament dies de fira
Circula solamente días de feria
- 5** Maritim Serreria - Aeroport
- 6** TRAMVIA / TRANVIA
Tossal del Rei - Maritim Serreria
- 7** Maritim Serreria - Torrent Avinguda
- 8** TRAMVIA / TRANVIA
Marina Reial Joan Carles I - Maritim Serreria
- 9** Alboraya Peris Aragó - Riba-roja de Túria

- i** Informació i atenció al client
Información y atención al cliente
- o** Baixador - Sol·liciteu parada
Apeadero - Solicite parada
- o** Estacions de transbord
Estaciones de transbordo

Llíria Les estacions ressaltades en negreta són final de trajecte
Las estaciones resaltadas en negrita son final de trayecto

Tota la xarxa de Metrovalencia és accessible, excepte l'estació de València Sud.
Toda la red de Metrovalencia es accesible, excepto la estación de València Sud.

P+m Aparcament públic gratuït
Aparcamiento público gratuito

Destinos: Rafelbunyo(RA), Machado(MC), Marítim - Serrería(MM), Alboraya-Peris Aragón(AB)

Laborables								
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07	07:06 MM	07:12 RA	07:21 MM	07:27 RA	07:36 MM	07:42 RA	07:51 MM	07:57 RA
08	08:06 MM	08:12 RA	08:21 MM	08:27 RA	08:36 MM	08:42 RA	08:51 MM	08:57 RA
09	09:06 MM	09:12 RA	09:21 MM	09:27 RA	09:36 MM	09:42 RA	09:51 MM	09:57 RA
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17	17:06 MM	17:12 RA	17:21 MM	17:27 RA	17:36 MM	17:42 RA	17:51 MM	17:57 RA
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19	19:06 MM	19:12 RA	19:21 MM	19:27 RA	19:36 MM	19:42 RA	19:51 MM	19:57 RA
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20	20:07 RA	20:15 MM	20:27 AB	20:35 MM	20:47 RA	20:55 MM	---	---
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4 6

Facultats

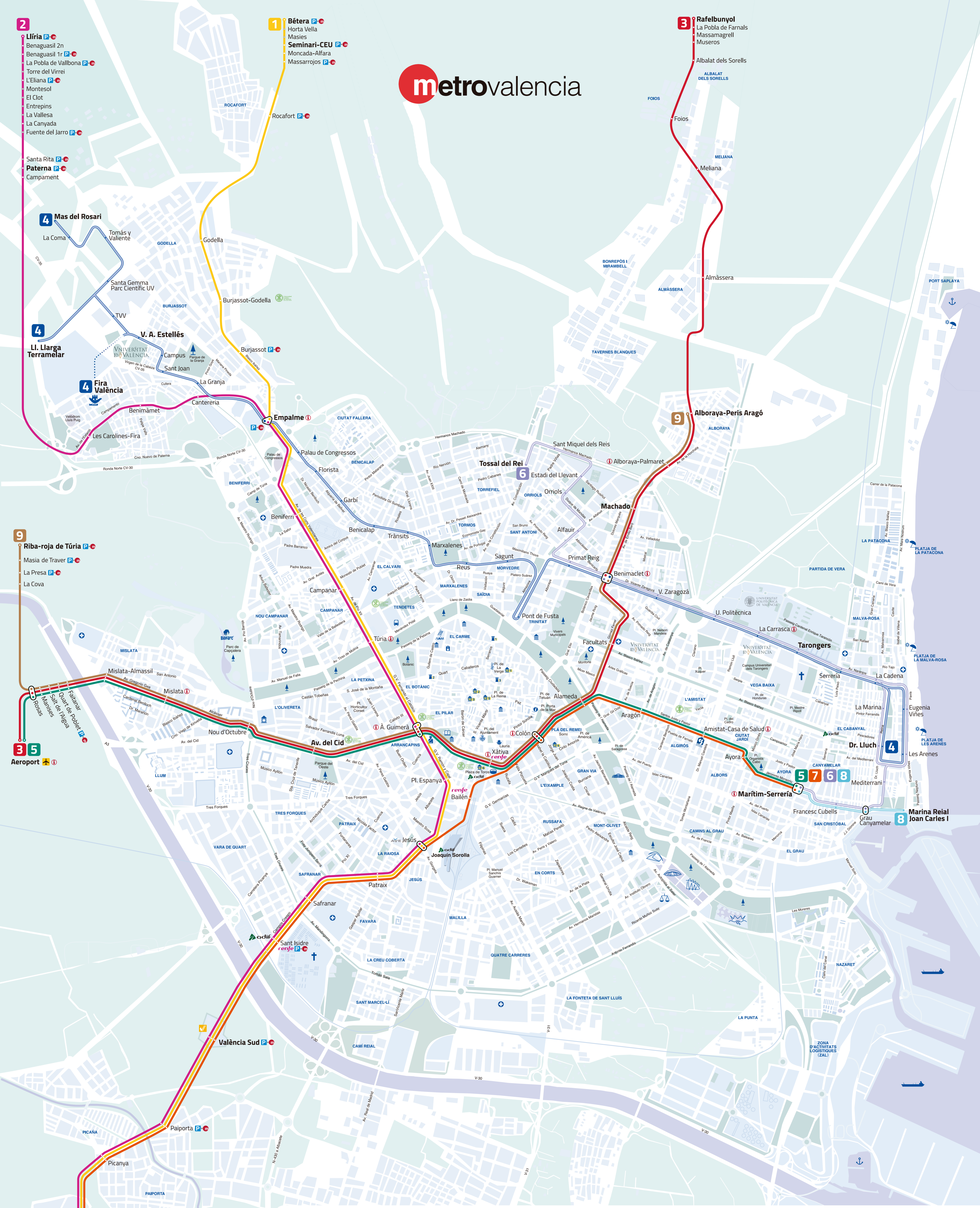


- 3** Rafelbunyol - Aeroport
- 9** Alboraya Peris Aragó - Riba-roja de Túria
- 4** TRANVÍA Mas del Rosari - Dr. Lluç
- 6** TRANVÍA Tossal del Rei - Marítim Serrería

- Ajuntament Ayuntamiento
- Biblioteca Biblioteca
- Camp de futbol Campo de futbol
- Centre oficial Centro Oficial
- Col·legi Colegio
- Guardia Civil Guardia Civil
- Hospital Hospital
- Universitat Universidad
- Museu Museo
- Parcs Parques
- Poliesportiu Polideportivo
- Tennis Tennis

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CARACTERÍSTICAS CERTIFICADAS: servici ofert, accessibilitat, confort, informació, horaris, atenció al client, seguretat, impacte ambiental.



- 2** Llíria
- Benaguasil 2n
- Benaguasil 1r
- La Pobla de Vallbona
- Torre del Virrei
- L'Eliana
- Montesol
- El Clot
- Entrepins
- La Vallesa
- La Canyada
- Fuente del Jarro
- Santa Rita
- Paterna**
- Campament

- 1** Bètera
- Horta Vella
- Masies
- Seminari-CEU**
- Moncada-Alfara
- Massarrojos

- 3** Rafelbunyol
- La Pobla de Farnals
- Massamagrell
- Museros

- 4** Mas del Rosari
- La Coma
- Tomás y Valiente
- Ll. Llarga Terramelar**
- Fira València**
- Les Carolines-Fira

- 9** Riba-roja de Túria
- Masia de Traver
- La Presa
- La Cova

- 3 5** Aeroport

- 2 7** Torrent
- Collegi El Vedat
- Realón
- Sant Ramon
- Picassent**
- Omet
- Espioca
- Font Almager
- Alginet
- Ausiàs March
- Carlet
- Benimodo
- L'Alcúdia**
- Montortal
- Massalavés
- Alberic
- 1** Villanueva de Castellón

- 1** Bètera - Villanueva de Castellón
- 2** Llíria - Torrent Avinguda
- 3** Rafelbunyol - Aeroport
- 4** TRAMVIA / TRAMVIA Mas del Rosari - Dr. Lluç Ll. Llarga Terramelar - Empalme
- 4** Círcula solamente dies de fira Círcula solamente dies de fira
- 5** Maritim-Serreria - Aeroport
- 6** Tossal del Rei - Maritim Serreria
- 7** Maritim Serreria - Torrent Avinguda
- 8** TRAMVIA / TRAMVIA Marina Reial Joan Carles I - Maritim Serreria
- 9** Alboraya Peris Aragó - Riba-roja de Túria

- Informació i atenció al client Oficina de informació al client
- Baixador - Sol·liciteu parada Apeador - Sol·liciteu parada
- Estacions de transbord Estaciones de transbord
- Llíria** Las estaciones resaltadas en negro son final de trayecto Las estaciones resaltadas en negro son final de trayecto
- Toda la xarxa de Metrovalencia és accessible, excepte l'estació de València Sud. Toda la red de Metrovalencia es accesible, excepto la estación de Valencia Sud.
- Aparcament públic gratuït Aparcamiento público gratuito
- Oficines Centrals FGV Oficinas Centrales FGV

- Oficina d'informació turística Oficina de informació turística
- Estació ferroviària Estación ferroviaria
- Direcció Superior de Policia Jefatura Superior de Policia
- Hospital Hospital
- Correus Correos
- Estació d'autobusos Estación de autobuses
- Biblioteca Biblioteca
- Palau de la Música
- Fira València

- Palau de la Generalitat Palau de la Generalitat
- Ajuntament Ayuntamiento
- Ciutat de la Justícia Ciudad de la Justicia
- Ciutat Administrativa 9 d'Octubre Ciudad Administrativa 9 d'Octubre
- Port comercial Puerto comercial
- Platja Playa
- Port esportiu Puerto deportivo
- Parcs Parques
- Cementeri Cementerio

- Edificis singulars Edificios singulares
- 1** Catedral de València Catedral de Valencia
- 2** Lletja Liria
- 3** Mercat Central Mercat Central
- 4** Mercat de Colón Mercat de Colón
- 5** Plaça Redona Plaza Redonda
- 6** Estació de Adif-Renfe Estación de Adif-Renfe
- Monument d'interès Monumento de interés
- 1** Torres de Serrans Torres de Serrans
- 2** Torres de Quart Torres de Quart
- 3** El micallet El Micallet
- Museu Museo
- Museu d'Art Contemporani (IVAM) Museo de Arte Contemporáneo (IVAM)

- L'Oceanogràfic
- L'Hemisfèric
- Palau de les Arts Reina Sofia Palacio de las Artes Reina Sofia
- Museu de les Ciències Príncep Felipe Museo de las Ciencias Príncipe Felipe
- Parc Zoològic Parque Zoológico

COURSE 1: FUNCTIONAL CYTOMETRY: A PRACTICAL APPROACH					
26-30 June 2017					
	MONDAY, 26 JUNE	TUESDAY, 27 JUNE	WEDNESDAY, 28 JUNE	THURSDAY, 29 JUNE	FRIDAY, 30 JUNE
09.00-10.00	Welcome by Course Directors ANDREA COSSARIZZA President-Elect ISAC Opening Lecture: VIH and Cytometry	ALFONSO BLANCO Analysis of Cell Viability and Cell Death	GUADALUPE HERRERA Cytometry of Oxidative Stress	ENRIQUE O'CONNOR Functional Cytometry of Blood Cells	Transfer to Oceanographic CONSUELO RUBIO Monitoring Health of Cetaceans and Marine Mammals
10.00-11.00	ALBERTO M. ALVAREZ Flow Cytometry: Technical Basis	ANDREA COSSARIZZA Analysis of Rare Cells	GRAHAM POCKLEY Cytometry of Cell-mediated cytotoxicity Web-based resources for Cytometry (Webinars)	ENRIQUE O'CONNOR Functional Cytometry in Toxicology: Cell and Animal Models	ALBERTO M. ALVAREZ Cytometry in Biotechnology, Microbiology and Aquatic Sciences
11.00-11.30	PAUSE				
11.30-12.30	ALFONSO BLANCO Reagents in Cytometry	JUAN J. FUENTES Advances in Cytometry: Mass-Cytometry (CyTOF)	ALICIA MARTINEZ-ROMERO Cytometry of Stem Cells	PRACTICAL MODULE	ALICIA MARTINEZ Functional Cytometry of Cetaceans and Marine Mammals
12.30-13.30	ALFONSO BLANCO Controls in Cytometry	SARA DE BIASI Cytometry of Mitochondria	PRACTICAL MODULE		Visit to Oceanographic Labs
13.30-15.00	LUNCH				
15.00-16.00	SARA DE BIASI Data management: Acquisition, Display and interpretation	PRACTICAL MODULE	PRACTICAL MODULE	PRACTICAL MODULE	FERNANDO PEÑA Flow Cytometry of Sperm Cells (Webinar)
16.00-17.00	ENRIQUE O'CONNOR Sample Preparation				PAOLO CAPPELLA Cytometry in Drug Discovery: In vitro and in vivo models
17.00-17.30	PAUSE				
17.30-18.30	SARA DE BIASI Polychromatic immunophenotype: Settings, compensations and gating strategies	PRACTICAL MODULE	PRACTICAL MODULE	PRACTICAL MODULE	ENRIQUE O'CONNOR Resources for Learning and Practising Cytometry COURSE CLOSING
18.30-19.30	PAOLO CAPPELLA Cytometry of Cell Cycle and Cell Proliferation				

COURSE 2: FLOW CYTOMETRY IN VETERINARY AND ANIMAL EXPERIMENTATION					
26-30 June 2017					
	MONDAY, 26 JUNE	TUESDAY, 27 JUNE	WEDNESDAY, 28 JUNE	THURSDAY, 29 JUNE	FRIDAY, 30 JUNE
09.00-10.00	Welcome by Course Directors ANDREA COSSARIZZA President-Elect ISAC Opening Lecture: VIH and Cytometry	ALBERTO M. ALVAREZ Flow Cytometry in Veterinary Sciences	JUAN-MANUEL CORPA Cytometry for the study of Infections in animals	ENRIQUE O'CONNOR Functional Cytometry of Blood Cells	Transfer to Oceanographic CONSUELO RUBIO Monitoring Health of Cetaceans and Marine Mammals
10.00-11.00	ALBERTO M. ALVAREZ Flow Cytometry: Technical Basis	HERMINIA GONZÁLEZ Cytometry in rodent models of Inflammation	GRAHAM POCKLEY Cytometry of Cell-mediated cytotoxicity Web-based resources for Cytometry (Webinars)	ENRIQUE O'CONNOR Functional Cytometry in Toxicology: Cell and Animal Models	ALBERTO M. ALVAREZ Cytometry in Biotechnology, Microbiology and Aquatic Sciences
11.00-11.30	PAUSE				
11.30-12.30	ALFONSO BLANCO Reagents in Cytometry	ENRIQUE O'CONNOR Cytometry in rodent models of biochemical research	PAOLO CAPPELLA Flow Cytometry in Veterinary Oncology	PRACTICAL MODULE	ALICIA MARTINEZ Functional Cytometry of Cetaceans and Marine Mammals
12.30-13.30	ALFONSO BLANCO Controls in Cytometry	ALICIA MARTINEZ-ROMERO Cytometry in rodent models of Stem Cell research	PRACTICAL MODULE		Visit to Oceanographic Labs
13.30-15.00	LUNCH				
15.00-16.00	SARA DE BIASI Data management: Acquisition, Display and interpretation	PRACTICAL MODULE	PRACTICAL MODULE	PRACTICAL MODULE	FERNANDO PEÑA Flow Cytometry of Sperm Cells (Webinar)
16.00-17.00	ENRIQUE O'CONNOR Sample Preparation				PAOLO CAPPELLA Cytometry in Drug Discovery: In vitro and in vivo models
17.00-17.30	PAUSE				
17.30-18.30	SARA DE BIASI Polychromatic immunophenotype: Settings, compensations and gating strategies	PRACTICAL MODULE	PRACTICAL MODULE	PRACTICAL MODULE	ENRIQUE O'CONNOR Resources for Learning and Practising Cytometry COURSE CLOSING
18.30-19.30	PAOLO CAPPELLA Cytometry of Cell Cycle and Cell Proliferation				

COURSE 3: FLOW CYTOMETRY IN HEMATOLOGY: A TECHNICAL APPROACH

3-7 July 2017

	MONDAY, 3 JULY	TUESDAY, 4 JULY	WEDNESDAY, 5 JULY	THURSDAY, 6 JULY	FRIDAY, 7 JULY
09.00-10.00	Opening and Welcome ENRIQUE O'CONNOR Overview of Cytomic Technologies	BRUNO BRANDO Erythroid Lineage	ENRIQUE O'CONNOR Cytometry of Functional Responses of Myeloid Cells	CLAUDIO ORTOLANI Acute Leukemias	MARTIN PEREZ-ANDRES Paroxysmal Nocturnal Haemoglobinuria
10.00-11.00	PAOLO CAPPELLA Technical Bases of Flow Cytometry	BRUNO BRANDO Cytometry in the Blood Bank	ENRIQUE O'CONNOR Cytometry of Functional Responses of Platelets	CLAUDIO ORTOLANI Case-oriented exercises	ANDREW RAWSTRON B-Cell Chronic Lymphoproliferative Disorders Plasma Cell Disorders
11.00-11.30	PAUSE				
11.30-12.30	ENRIQUE O'CONNOR The Pre-analytical Phase	LARA GIBELLINI Cytometry of Rare Cells	GRAHAM POCKLEY Cytometry resources in Internet: Chromocyte	FLORENCIO CARRETERO The History of Clinical Cytometry	ANDREW RAWSTRON Analysis of Minimal Residual Disease
12.30-13.30	ENRIQUE O'CONNOR The Analytical Phase	BRUNO BRANDO Analysis of Special Samples	GRAHAM POCKLEY Immunophenotyping for the identification and prediction of disease	ANTOINE PACHECO Standardization and Quality Control	JORDI PETRIZ CD34: Past, Present and Future
13.30-15.00	LUNCH				
15.00-16.00	BRUNO BRANDO Overview of Cytometry Applications in Hematology	JOSEP NOMDEDÉU Myelodisplastic Syndromes	PRACTICAL MODULE	PAULA FERNANDEZ T-Cell and NK Chronic Lymphoproliferative Disorders	ANDREW RAWSTRON Case-oriented exercises
16.00-17.00	BRUNO BRANDO Analysis of Normal Hematopoiesis	JOSEP NOMDEDÉU Case-oriented exercises		PAULA FERNANDEZ Case-oriented exercises	
17.00-17.30	PAUSE				
17.30-18.30	LARA GIBELLINI Polychromatic immunophenotype: Settings, compensations and gating strategies	PRACTICAL MODULE	PRACTICAL MODULE	PRACTICAL MODULE	KATHERINA PSARRA President of ESCCA Cytometry Accreditation in Europe
18.30-19.30					Round Table and Perspectives Closing of the Summer School

COURSE 4: CYTOMETRY AND STEM CELLS: A PRACTICAL APPROACH

3-7 July 2017

	MONDAY, 3 JULY	TUESDAY, 4 JULY	WEDNESDAY, 5 JULY	THURSDAY, 6 JULY	FRIDAY, 7 JULY
09-10	Opening and Welcome ENRIQUE O'CONNOR Overview of Cytomic Technologies	PAOLO CAPPELLA Cytometry of Cell Cycle and Cell Proliferation	AKAITZ DORRONSORO Cytometry of Mesenchymal Stem Cells	LUKE NOON In Vitro Differentiation of Stem Cells	JORDI PETRIZ Cytometry of Leukemia Stem Cells
10-11	PAOLO CAPPELLA Technical Bases of Flow Cytometry	LARA GIBELLINI Cytometry of Mitochondria, Apoptosis and Autophagy	JOSÉ-LUIS MATEOS Clinical and Therapeutic relevance of Stem Cells	ROSA FARRÀS Cytometry of Solid Tumor Stem Cells	FRANK PREIJERS CD34 Determination to Enumerate Stem Cells
11-11.30	PAUSE				
11.30-12.30	ENRIQUE O'CONNOR The Pre-analytical Phase	ALICIA MARTÍNEZ-ROMERO Phenotypic and Functional characterization of Stem Cells	GRAHAM POCKLEY Cytometry resources in Internet: Chromocyte	IRENE CERVELLÓ Biology of Somatic Stem Cells	PRACTICAL MODULE
12.30-13.30	ENRIQUE O'CONNOR The Analytical Phase	FLORIAN BOSSARD Cardiotoxicity studies with human embryonic stem cells	JOSÉ-CARLOS SEGOVIA Monitoring of Stem Cell Therapy	SANDRA CUNI Sorting of Stem Cells	
13.30-15	LUNCH				
15-16	AMPARO GALAN Overview of Stem Cell Biology and Regenerative Medicine	PRACTICAL MODULE	INMACULADA MORENO Embryonic Stem Cells and iPS Cells	PRACTICAL MODULE	STEFANO PAPA Cytometry of Intercellular Communication
16-17	ALICIA MARTÍNEZ-ROMERO Cytometry and Cytomics in Stem Cell Research		PRACTICAL MODULE		SILVIA DELLA BELLA Cytometry of Endothelial Precursor Cells
17-17.30	PAUSE				
17.30-18.30	LARA GIBELLINI Polychromatic immunophenotype: Settings, compensations and gating strategies	PRACTICAL MODULE	PRACTICAL MODULE	PRACTICAL MODULE	KATHERINA PSARRA President of ESCCA Cytometry Accreditation in Europe
18.30-19.30					