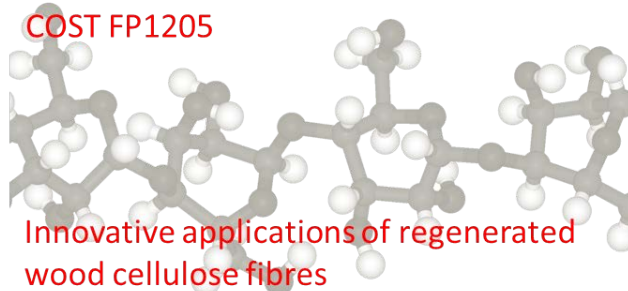




COST FP1205



Innovative applications of regenerated
wood cellulose fibres

INTERNATIONAL TRAINING SCHOOL on “Nanocrystalline cellulose: Production, Advanced Characterization and Potential Uses”



5th - 6th of May 2014

Institute of Agrochemistry and Food Technology
Valencia, Spain

Organizing committee

Dr. Amparo Lopez-Rubio, IATA-CSIC, Spain

Dr. Maria José Fabra, IATA-CSIC, Spain

Dr. José Maria Lagaron, IATA-CSIC, Spain

M.Sc. Jesús Ambrosio Martín, IATA-CSIC, Spain

Dr. Åsa Ostlund, SP Technical Res. Institute of Sweden, Sweden

Dr. Dennis Jones, SP Technical Res. Institute of Sweden, Sweden

Dr. Stephen Eichhorn, University of Exeter, UK

Foreword:

Welcome everyone to our sunny city of Valencia to join us in what we hope will be a fruitful International Training School on “Nanocrystalline cellulose: Production, Advanced Characterization and Potential Uses” which links to the Working Group 2 within the Cost Action FP1205 “Innovative Applications of Regenerated Wood Cellulose Fibres” chaired by Dr. Åsa Ostlund. The training school will run from the afternoon of the 5th of May until lunch time on the 6th of May 2014. On Monday afternoon, a workshop focused on bacterial cellulose will take place to provide the insights of this interesting type of cellulose. On Tuesday 6th of May there will be various invited speakers from all over Europe covering several aspects about nanocellulose properties, characterization and also some interesting examples about its potential applications. Along the training school there will also be place for early stage young researchers to present their works and use this event as a discussion forum. On the overall, the training school constitutes another opportunity to strengthen the networking among international laboratories and research groups and will continue to serve as a launching platform for future joint collaborations in the European arena and also to establish new friendships. On behalf of the organizing committee I wish you all a pleasant stay in the warm shores of the Mediterranean, in a modern city full of accessible history, where you can enjoy our delightful local gastronomy.

Dr. Amparo Lopez-Rubio

Preliminary Agenda:

Monday, 5th May 2014

**Welcome and Introduction / Workshop on Bacterial Nanocellulose
(Chair: TBD)**

13:00 - 14:00	Registration + Lunch
14:00 - 14:15	Welcome and Introduction Amparo López-Rubio, Åsa Ostlund
14:15 - 15:00	"Bacterial Cellulose: From Sugar to Advanced Nano-Composites" Andreas Mautner
15:00 - 15:15	"Practical Guide for Bacterial Nanocellulose Production" Jesús Ambrosio-Martín
15:15 - 15:30	"Improving the Performance of Bacterial Nanocellulose Films through Electrospun Coatings" Maria José Fabra
15:30 - 16:00	Coffee break + Poster Session

**Early Stage Researchers Session
(Chair: M.J. Fabra)**

16:00 -	Students presentations
	Tour around the facilities / Cellulose-based materials demonstrators
21:00	Training School Dinner

Tuesday, 6th May 2014

**Nanocellulose: Advanced Characterization and Potential Uses
(Chair: Åsa Ostlund)**

9:30 - 10:15	"Nanocellulose ultrastructure, chemical modification and dispersion properties" Laurent Heux
10:15 - 11:00	"Cellulose nanofibrils as reactor templates - making flexible magnetic aerogels for fluidics and tough magnetic nanopapers as speaker devices" Richard Olsson
11:00 - 11:30	Coffee break + Poster Session

**Applications of Nanocellulose
(Chair: TBD)**

11:30 - 12:15	"Nanocellulose for Food Packaging Applications" Jose Maria Lagaron
12:15 - 12:45	"Nanocellulose based composites for biomedical and advanced materials applications" Johan Foster
12:45 - 13:00	Final Remarks and Closing of the Training School + Lunch

The final agenda for the training school will follow shortly.

Please, see below for directions and further practical information.

TRAVEL REIMBURSEMENT THROUGH COST

In order to receive travel reimbursement (800€/participant), visitors are requested to follow the bullet points prior to the meeting:

- Accept invitation sent out soon by e-COST sent to you from the COST office (you do not have to fill in the whole registration form, just click "Accept" invitation). If you are not able to participate, please decline the invitation and it will be forwarded to substitutes.
- No receipts will be handed in.
- Do not submit reimbursement forms until after the event.

Please, be aware that the training school will be limited to about 20 participants, so be sure to register early to ensure your place. Final deadline for registration (through the attached Registration form) is 15th April, 2014.

DIRECTIONS AND PRACTICAL INFORMATION

Location of hotels

Hotel	Address	Web side or booking email address
Las arenas 5 stars	Eugenia Viñes, 22 By the beach +34 963120600	http://www.hotelvalencialasarenas.com/
Zenit Valencia 4 stars	Bailen, 8 In town center +34 963529000	http://www.zenithoteles.com
Vincci Lys 4 stars	Martinez Cubells, 5 In town center +34 963509550	lys@vinccihoteles.com
Husa Dimar 4 stars	Gran Via Marques del Turia, 80 Close town center & garden river. Restaurant area +34 963951030	www.hotel-dimar.com
Petit Palace Germanias 3 stars	Sueca, 14 Close to town center +34 963513638	germanias@hthoteles.com
SH Inglés 3 stars	Marques de dos aguas, 6 Town center. Historic part +34 963516426	http://www.inglesboutique.com
Sorolla Palace	Avda. de las Cortes Valencianas, 58 Close to IATA +34 902141515	http://www.hotelsorollapalace.com/
NH Jardines del Turia 3 stars	Pintor Velazquez, s/n Burjassot, close to IATA +34 963905460	nhjardinesdelturia@nh-hotels.com
Venecia 2 stars	Plaza Ayuntamiento, 3 In town center +34 963524267	reservas@hotelvenecia.com

Hotel locations and points of interest:

<http://g.co/maps/h5xtc>

Location of the Venue

The Institute of Agrochemistry and Food Technology (IATA) is situated (<http://g.co/maps/u3rcu>) on the outskirts of Valencia (Spain) and has good transport connections. The IATA address is:

Avda. Agustín Escardino 7, 46980 Paterna (Valencia)

Approximate distances:

7 km from the city centre (Main train station and Town Hall).

6 km from the airport (Manises).

3 km from the Congress Centre (Palacio de Congresos).

10 km from the City of Arts and Sciences leisure centre.

Whilst physically located in the municipality of Paterna, the nearby Valencia University science campus and Valencian Television station, both geographically situated in Burjassot, are good landmarks.

Means of access:

Metro line 4 (Tram service)

Take the destination *Mas del Rosari* and get off at either *TVV* or *Santa Gemma*. The institute is just a short walk away from either stop. Metro frequency is every 20 minutes all year round from 6.00 h till 23.00 h. Please note that not all trams go to *Mas del Rosari*. Some terminate at the University of Valencia science campus (*V. Andrés Estelles*) and others deviate to the Valencia Trade Fair site (*Feria*) or *Ll. Llarga-Terramelar*.

Connections

'Transbordo' tickets are available which permit the mixed use of bus, metro and Tram to get to a destination. The Tram (line 4) coincides with Metro line 1 at *Empalme* and with Metro line 3 at *Benimaclet*. Bus and metro lines coincide at various points on their respective routes.

Bus route 63

Take the destination *Facultades* and get off at *Facultad de Farmacia*. Either take a 10 minute walk or take the Tram (line 4) from *V. Andrés Estelles*. This line only operates during the university term time. Bus frequency is every 5-20 minutes depending on the time of day - displayed on information boards at bus st

Taxi

Request "Televisión Valenciana, entrada trasera". Upon approaching the television station indicate a red-brick building about 200 metres further down the road which is the IATA.

From the main train station (Estación del Norte)

To your left when facing the direction of arrival, there is a taxi rank outside the main station building.

Bus route 63 also starts on the road running parallel to the station.

A Metro stop Xativa (Metro lines 3 and 5) is located in front of the main station entrance. Take the Metro to the next stop, Angel Guimerá. Change to Metro line 1 and go to Emplame (the 4th stop) where you make a final change to the Tram (Metro line 4).

Airport arrivals

The best option is to take a taxi direct to the institute. Bus and Metro (lines 3 and 5) services also operate to the city centre.

By car

From the 'Nuevo Centro' shopping centre located near the old river bed, take 'Avenida Pio XII' northwards leaving the city. Follow the main flow of traffic through an underpass and cross two large roundabouts (the second of which is located next to the 'Palacio de Congresos') until you are on the motorway heading out of the city (Pista de Ademuz). Come off the motorway at Exit 4 (Paterna, Burjassot) bearing right where the exit bifurcates following signs for 'Burjassot', 'Centre TVV', 'Fira de Mostres' and

'Universitat'. The road descends to a roundabout where you take the 4th exit to pass behind the Valencian Television station ('Canal 9' and 'Punt 2'). The IATA is the red-brick building about 200 metres ahead slightly to the right.

Google maps link

<http://g.co/maps/u3rcu>

UTM Coordinates

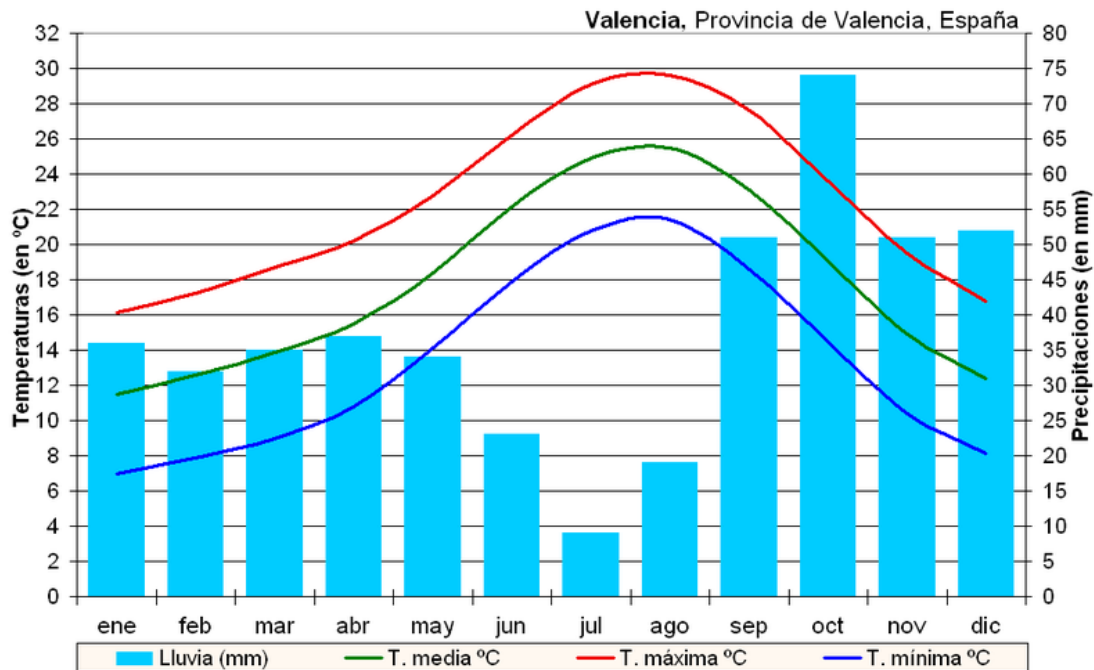
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Main entrance of Institute of Agrochemistry and Food Technology (IATA, CSIC)

Weather in Valencia



Annual climogram for the city of Valencia. Red (upper), green (mid) and blue (bottom) lines correspond to maximum, average and minimum temperatures, respectively, with scale in left vertical axis. Histogram indicates the rainfall, in right vertical axis, in mm. (Source: Wikimedia Commons).

Links of interest

Tourism in Valencia. Information about accommodation, transportation, restaurants, cultural activities, museums, etc.

<http://www.turisvalencia.es/home.aspx>

Metro and tram system in Valencia

http://www.metrovalencia.es/page.php?idioma=_en

Bus system in Valencia

<http://www.emtvalencia.es/ciudadano/index.php?lang=en>

Public bikes in Valencia

<http://www.valenbisi.com/How-does-it-work>

Map of Metro System

