

EC Advanced Workshop and Poster Presentations

Wednesday 10th and Thursday 11th March 2010, Granada, Spain



Infochemical Communication Technology

This workshop brings together researchers interested in the fields of molecular interaction & chemical communication at different levels of organisation in both biological and technological systems, i.e. the development of *new infochemical communication technologies*.

We will consider the infochemical communication problem in two stages, within both biological and technological domains - generating precisely controlled infochemical signals and the complementary detection problem of recovering chemical information in a receiver. Animal models, particularly from the insect kingdom, are ideal for this purpose since known pheromones mediate behaviours that are often robustly reproducible, many of the biosynthesis steps are understood, the molecular biology of the complementary receptors have been characterised and the neuroscience of pheromone processing in insects has been widely studied.

A key aim of the workshop is therefore to identify potential routes from our knowledge of *biological chemical communication* through to *technological implementation*.

Register now! Limited places available only!



EC Workshop on Infochemical Communication Technology

10-11 March 2010 – Granada, Spain



Keynote speakers include:

- **Prof. Ryohei Kanzaki**, Research Center for Advanced Science and Technology, Tokyo University, Japan
- **Prof. Julian Gardner**, Sensors Research Laboratory, Warwick University, UK
- **Prof. Nicholas Dale**, Professor of Neuroscience, Warwick University UK
- **Dr. Tim Pearce**, Leicester University, UK
- **Dr. Wojtek Bula**, University of Twente, Netherlands

Topics include:

- Chemical communication from signal production to behaviour
- Diversity of chemical ecology in different invertebrates
- Connection between olfaction and technology
- Biosynthesis of pheromone production
- Microreactor technology for infochemical biosynthesis
- Insight into the relationship of pheromone processing to behaviour/learning
- Neural processing of complex chemical information
- Sensing neurotransmitters in the brain
- Building synthetic sensory systems

The venue is the superb **Hotel Grand Saray**, Granada (<http://www.hotelgranadasaray.com/>). Located in the city centre, the hotel provides 4 star facilities. Lunch and dinner will be provided for delegates attending the workshop and a special room rate has been negotiated for delegates attending the workshop. Please quote iCHEM in your room booking to access a special room discount rate.

For a full programme and conditions visit <http://www2.warwick.ac.uk/fac/sci/eng/eed/research/ichem>

For scientific and technical details contact:

Dr. Tim Pearce, Workshop Director @ tcp1@leicester.ac.uk

Prof. Julian Gardner, Workshop Co-director @ j.w.gardner@warwick.ac.uk

For Workshop booking and administration matters contact:

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To book a place please e-mail david.cessford@warwick.ac.uk with your title, institution, and contact details. You will be contacted immediately regarding the availability.

