

DRAFT PROGRAM

“REACHING THE YOUNG SCIENTIST”

eSI-WORKSHOP  
PUEBLO ACANTILADO (ALICANTE SPAIN)  
SPAIN

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**OCTOBER 28 to OCTOBER 30, 2004**

Invited: participants roughly 40, thereof 8 well-known senior scientists and “application” experts in the field, rest 32 post docs and young researchers, requested to present their own studies.

Additional participants possible, but paying themselves, also a registration fee for attendance of 150€ applies.

Travel information and site: <http://www.uv.es/~jcastell/indexESI.htm>.

**Thursday, October 28, 2004      ARRIVAL**

20:00      GET TOGETHER

**Friday, October 29, 2004**

**Theme: State of the art, future perspectives and applications of  
“-omics technologies”**

*Moderator: Prof. José Castell*

09:00-09:45 “From functional genomics to systems biology”  
**Prof. Hans Lehrach** (MPI Molecular Genetics, Berlin, DE)

09:45-10:15 “Use of genomics and the system biology approach to tackle complex problems: the example of beta cell apoptosis”  
**Prof. Decio Eizirik** (Université Libre de Bruxelles, BE)

10:15-10:30 Discussions

**10:30-11:00 COFFEE BREAK**

11:00-11:15 “Kidney expression profiling *in vivo* and *in vitro* employing cDNA microarrays”

**Dr. Anke Lühe** (Hofmann-La Roche, CH)

11:15-11:30 “Use of reporter gene assays in drug metabolism induction studies”

**Dr. Nick Plant** (University of Surrey, UK)

11:30-11:45 “New tools for gene targeting”

**Drs. Martin Mojzisek** (Charles University, Hradec Karlove, CZ)

11:45-12:30 Discussions

**12:30-14:00 LUNCH**

***Moderator: Prof. José Castell***

14:00-14:30 “Transcriptomics-based predictive screens as an alternative to current animal tests for chemical safety assessment”

**Prof. Jos Kleinjans** (University of Maastricht, NL)

14:30-50:00 “Optimizing RNAi technology for application in mammalian cells”

**Dr. René Medema** (Netherlands Cancer Institute, NL)

15:00-15:15 “Use of RNAi technology to develop *in vitro* alternatives for genotoxicity screening”

**Dr. Martijn Dollé** (RIVM, NL)

15:15-15:45 Discussions

**15:45-16:15 COFFEE BREAK**

16:15-17:00 “Application of -omics technologies to understanding mechanisms of xenoestrogen action”

**Dr. Jonathan Moggs** (Syngenta Central Toxicology, UK)

17:00-17:15 “*In vitro* technology to analyse endocrine disruptors”

**Dr. Karl Fent** (University of Applied Sciences, Basel, CH)

17:15-17:30 “Computer simulations for endocrine disruptors”

**Dr. Lill Markus** (Max-Planck-Institute of Biophysics, Frankfurt am Main, DE)

17:30-18:00 Discussions

20:00 Fireside Tapas

## **Saturday, October 30, 2004**

**Theme: Novel technologies and techniques**

*Moderator: Prof. Vera Rogiers*

09:00-09:30 “Development of biomarkers and strategies for the detection of non-genotoxic carcinogens”

**Prof. James K. Chipman** (University of Birmingham, UK)

09:30-09:45 “Use of chromatin remodelling as a new way to create differentiated primary hepatocyte cultures”

**Part I: Prof. Tamara Vanhaecke** (Vrije Universiteit Brussel, BE)

09:45-10:00 **Part II: Dr. Peggy Papeleu** (Vrije Universiteit Brussel, BE)

10:00-10:15 “Regulation of gap junction intercellular communication”

**Dr. Véronique Cruciani** (Institute for Cancer Research, The Norwegian Radium Hospital, Oslo, NO)

10:15-10:30 Discussions

**10:30-11:00 COFFEE BREAK**

11:00-11:30 “Defined culture methods and global gene expression analysis greatly enhances the applicability of normal and transformed human keratinocyte lines to alternative methods research”

**Prof. Roland Grafström** (Institute of Environmental Medicine, Karolinska Institute, Stockholm, SE)

11:30-11:45 “A new chip technology for immunotoxicity testing in mast cells”  
**Dr. Aurelia Walczak-Drzewiecka** (Central for Medical Biology, Polish Academy of Sciences, Lodz, PL)

11:45-12:00 title??? (CaCo2 cells)  
**Dr. Laura Turco** (Laboratorio di Biologia Cellulare, Istituto Superiore di Sanità, Rome, IT)

12:00-12:15 Discussions

**12:30-14:00 LUNCH**

**Theme: QSAR and modelling**

*Moderator: Dr. Bernward Garthoff*

14:00-14:45 “State of the art, future perspectives and applications of QSAR”  
**Dr. Johanna Jaworska** (Procter & Gamble, BE)

14:45-15:00 “Application of *in silico* modelling”  
**Prof. Hannu Raunio** (University of Kuopio, FI)

15:00-15:15 “Application of PBPK-modelling”  
**Drs. Treijtel Nicoline** (University of Utrecht, NL)

15:15-15:30 Discussions

**15:30-16:00 COFFEE BREAK**

**Theme: Miscellaneous**

16:00-16:15 “Transfection as a mean to upgrade human liver cells”  
**Dr. Ramiro Jover** (University of Valencia, ES)

16:15-16:30 “Novel *in vitro* tests for prediction of drug metabolism”  
**Drs. Miia Turpeinen** (University of Oulu, FI)

16:30-16:45 “*In vitro* prediction of human dermal absorption”  
**Dr. David Lockley** (Unilever, UK)

16:45-17:30 Discussions

20:00 DINNER (Entertainment)

Sunday, October 31, 2004

DEPARTURE