

Colipa Skin Tolerance Task Force 2nd Workshop

- *For workshop participants to have a clear understanding of the Colipa research strategy and project portfolio and to be updated on the progress of our research community.*
- *Optimization of the roadmap through integration and cross-fertilization between the research groups and the Colipa management.*
- *Elaboration of a strategy for a full replacement of animal tests for skin sensitization, including definition and understanding of the possible role of the developed technologies in an Integrated Test Strategy (ITS).*

**Date: 21 - 22 June 2010
Venue: Hotel Le Plaza
Boulevard Adolphe Max 118-126
1000 Brussels, Belgium**

Agenda

Day 1

21 June 2010

09:30 Introduction

- Introduction of the participants
- Introduction to Colipa and challenges of the 7th amendment to EU Cosmetics Directive & presentation of the workshop agenda
G. Maxwell (*Unilever, UK*), M. Marrec-Fairley and P. Aeby (*Colipa*) (25 min)

10:00 Scientific sessions: Part I Understanding and modelling of the underlying biological mechanisms for developing *in vitro* alternatives for skin Sensitisation testing

➤ Skin bioavailability, protein binding and metabolism (Chair: P. Aeby)

- ***In silico* mathematical model for calculating bioavailability**
G. Kasting (*University of Cincinnati, USA*) (20 min)
- **Next generation peptide reactivity assay**
J.P. Lepoittevin (*Université Louis Pasteur, France*) (20 min) and F. Gerberick (*Procter & Gamble, USA*) (20 min)
- **Characterisation of the metabolic capacity of human skin & current *in vitro* model systems**
E. Fritsche (*University of Düsseldorf, Germany*) (20 min) and R. Edwards (*Imperial College, UK*) (20 min)

11:20 – 11:40 Coffee/Tea break

➤ Dendritic cell activation (Chair: M. Tailhardat / F. Gerberick)

- **Evaluation of the sensitizing potential of chemicals based on their chemical reactivity**
M. Pallardy (*Université Paris-Sud, France*) and J.P. Lepoittevin (*Université Strasbourg, France*) (20 min)
- **Signal transduction pathways in DC maturation**
M. Serres (*INSERM Lyon, France*) (15 min)
- **Short questions / discussions**

12:20 – 13:50 Lunch

➤ **Dendritic cell activation (Cntd)**

- **Identification and exploitation of the molecular mechanisms underlying the homing of dendritic cells to lymph nodes**
J. E. Pease (*Imperial College, London, UK*) (20 min)
- **Multi-parameter dendritic cell biosensor system to identify contact allergens**
A. Takashima (*University of Toledo, Ohio, USA*) (20 min)
- **Construction of a multi-cell skin model to investigate the allergenic potential of novel chemicals**
A. Ghaem Maghami (*University of Nottingham, UK*) (15 min) & J. Haycock (*University of Sheffield, UK*) (15 min)
- **Questions / discussions**

15:10 – 15:40 Coffee/Tea break

➤ **Lymphocyte response (Part I) (Chair: S. Teissier-Martinuzzi)**

- **Development of predictive assays for chemical induced skin allergy based on the use of in vitro human innate immune responses**
A. Gaspari (*University of Maryland School of Medicine, Baltimore, MD, USA*) (20 min)
- **Development of T cell priming assays for the sensitive *in vitro* screening of contact allergens**
J. F. Nicolas (*INSERM Lyon, France*) (20 min)
- **Correlation between the strength of contact allergens, effector and regulatory T cell frequency and T cell receptor repertoire**
S. Martin (*University Medical Centre Freiburg, Germany*) (20 min)
- **Questions / discussions**

17:00 Day 1 closure

Day 2

22 June 2010

9:00 **Scientific sessions: Part II**
Methods evaluation, Pre-validation, Integrated Test Strategy

Part I

- **From research towards Methods evaluation (Chair: J.M. Ovigne)**
 - **Update from Sens-it-iv Synergizing research efforts: Test methods developed within the Sens-it-iv consortium**
H.U. Weltzien (*MPIIB, Freiburg, Germany*) (20 min)

- **KeratinoSens approach**
A. Natsch (*Givaudan, Switzerland*) (20 min)
- **Peripheral Blood Monocyte-derived Dendritic Cell (PBMDc)-based Sensitization Assay: Ring study with an optimized protocol**
A. Schepky (*Beiersdorf, Germany*) (20 min)
- **Update on the Phase III pre-validation process**
D. Basketter, Chair of the Validation Management Team (*DABMEB Consultancy Ltd, UK*) (20 min)
- **Questions / discussions**

10:30 – 11:00 **Coffee/Tea break**

Part II

- **How can non-animal test method data be used to inform future skin sensitisation risk assessment decisions? (Chair: G. Maxwell)**
 - **Colipa Safety Assessment** (Title to be communicated later)
C. Goebel (*Procter & Gamble, Germany*) (15 min)
 - **Data base construction**
P. Kern (*Procter & Gamble, Belgium*) (15 min)
 - **Questions / discussions** (15 min)

12:10 – 13:40 **Lunch**

- **Evaluation of non-animal information to support decision making - skin sensitization test case**
 - **OSIRIS case study** M. Cronin (*University of Liverpool, John Moores University, UK*) (15min)
 - **P&G prospective** J. Jaworska (*Procter & Gamble, Belgium*) (15 min)
 - **Unilever prospective** M. Davies (*Unilever, UK*) (15 min)
 - **Givaudan prospective** A. Natsch (*Givaudan, Switzerland*) (15 min)
 - **L'Oréal prospective** S. Tessier (*L'Oréal, France*) (15 min)
 - **Kao prospective** H. Sakaguchi (*Kao Corporation, Japan*) (15 min)
- **Questions / discussions** (30 min)

15:45 – 16:15 **Coffee/Tea break**

16:15 **Summary / Conclusions / Wrap-up**

17:00 **End of workshop**