European Research Group on Experimental Contact Dermatitis
12 – 13th November 2015

Conference venue

Università degli Studi di Milano
Sala Napoleonica (Palazzo Greppi)
Via S. Antonio, 12 - Milano

PROGRAM

Thursday, 12th November 2015

10:30 - 11:00  Registration and welcome to Milan (Emanuela Corsini, Valentina Galbiati, Andrea Cavani)

Session 1. Models and case studies

Chairs: Jean-François Nicolas and Ian Kimber

11:00 - 11:15  Monika Kock, Peiter-Jan Coenraads, Brunhilde Blomeke, Carsten Goebel (Germany). Continuous usage of a hair dye product containing 2-methoxymethyl-p-phenylenediamine by hair dye allergic individuals

11:15 - 11:30  Amy Popple (EUROTOX young awardee), J Williams, Gavin Maxwell, N Gellatly, Rebecca J Dearman, Ian Kimber (UK). T lymphocyte dynamics in methylisothiazolinone allergic patients

11:30 - 11:45  Ahmed G Ramzy, Ulrika Nilsson, Lina Hagvall (Sweden). A clinical and experimental study of diethylthioureia and diphenylthioureia as pre- and pro-haptens

11:45 - 12:00  Pia Gamradt (EUROTOX awardee), Léo Laoubi, Vanina Lenief, Cathrine Goujon, Marc Vocanson, Jean Francois Nicolas (France). The contribution of resident memory T cells to the chronicity of allergic contact dermatitis

12:00 - 12:15  Valentina Galbiati, Daniele Corti, Emanuela Corsini (Italy). Optimization of the THP-1 activation assay to detect pharmaceuticals with potential to cause immune mediated drug reactions

12:30 - 12:45  **Niels de Graaf**, Sue Gibbs (The Netherlands). *Type IV hypersensitivity reactions to titanium: a retrospective chart review from the Amsterdam VU Medical Center Patch Test Clinic*

12:45 - 13:00  **Peter Boyd** (EUROTOX young awardee), Peter Boyd, Marc Vocanson, Jean-François Nicolas (France). *Peptide immunotherapy in ACD?*

---

**13:00 - 14:00  Lunch**

---

14:00 - 14:15  **Ian Kimber** (EUROTOX senior awardee), Helen Singleton, Amy Popple, Nichola Gellatly, Gavin Maxwell, Jason Williams, Peter Friedmann, Rebecca Dearman (UK). *Do contact allergens induce anti-hapten antibody responses?*

**Session 2. Skin penetration, chemical reactivity and metabolism**

*Chairs: Elena Gimenez-Arnau and Andreas Natsch*

14:15 - 14:30  **Eric Moss**, Jean-Pierre Lepoittevin (France). *Activation/metabolism of cinnamyl alcohol: is the truth elsewhere?*

14:30 - 14:45  **Isabella Karlsson** (EUROTOX young awardee) (Sweden). *Peptide reactivity of isothiocyanates - implications for skin allergy*

14:45 - 15:00  **Daniel Urbisch**, A Mehling, N Honorvar, SN Kolle, W Teubner, R Landsiedel (Germany). *Peptide reactivity associated with skin sensitization: a comparison of the DPRA with the QSAR toolbox and TIMES*

15:00 - 15:15  H. Rothe, Petra Kern, **Carsten Goebel** (Germany). *Using skin penetration measurements to refine exposure for skin sensitization quantitative risk assessment: application to MIT*


---

**15:30 - 16:00  Coffee break**
Session 3. Innate immune response  
*Chairs: Emanuela Corsini and Marc Pallardy*

16:00 - 16:15  **John F. Elliott**, Christopher Green, Kunimasa Suzuki (Canada). *All contact allergens activate innate immune cells, but few signal via human Toll-like receptor 4 (hTLR4)*

16:15 - 16:30  **Rami Bechara** (EUROTOX young awardee), Diane Antonios, Hayat Azouri, Marc Pallardy (France). *The chemical sensitizer nickel sulfate triggers the production of interleukin-23 by human dendritic cells*

16:30 - 16:45  Fabian Gendrisch, Stefan F Martin, **Philipp R Esser** (Germany). *Tissue stress and damage in allergic contact dermatitis*

16:45 - 17:00  **Fabian Gendrisch** (EUROTOX young awardee), Stefan Martin, Philipp Esser (Germany). *Cellular stress in allergic contact dermatitis*

17:00 - 17:15  **Sue Gibbs**, I Kosten, K Ouwehand, T de Gruijl (The Netherlands). *Understanding the mechanistic differences between sensitization and irritation with the aid of skin equivalents*

17:15 - 17:30  **Angela Papale**, Elena Kummer, Valentina Galbiati, Emanuela Corsini (Italy). *Understanding chemical allergen potency: role of NLRP12 and Blimp-1 in the induction of IL-18 in keratinocytes*

Session 4. Adaptive Immune response  
*Chairs: Marc Vocanson and Stefan Martin*

17:30 - 17:45  ME Azoury, N Scornet, R Bechara, D Joseph, **Marc Pallardy** (France). *Identification of naive T-lymphocytes specific for penicillin-haptenized peptides from human serum albumin*

17:45 - 18:00  **Marie de Bourayne**, Yann Gallais, Zeina El Ali, Philippe Rousseau, Marie-Hélène Daniens, Claude Cochet, Odile Filhol-Cochet, Sylvie Chollet-Martin, Marc Pallardy, Saadia Kerdine-Romer (France). *Protein kinase CK2, a new key kinase involved in dendritic cells activation and T cell polarization in response to contact sensitizers*

18:00 - 18:15  **Virginie Mutez**, Philipp Esser, Eva Bachtanin, Jean-Francois Nicolas, Stefan Martin, Marc Vocanson (France, Germany). *Optimization of the human T cell priming assay*

18:15 - 18:30  **Subhashree Mahapatra**, Aurélie Del Bufalo, Silvia Teissier, J Cotovio (France). *Implementation of the human T-cell priming assay: our experience*

18:30  walk to the Caffé Letterario

19:00 - 21:00  *Apericena at Caffé Letterario c/o Piccolo Teatro Grassi, Via Rovello 2*
Session 5. In vitro models

Chairs: Erwin L. Roggen and David Basketter

9:15 - 9:30 Anthony Gaspari (USA). Tolerability of 2-methoxymethyl-p-phenyldiamine in p-phenylenediamine allergic volunteers using allergy alert test

9:30 - 9:45 Kazutoshi Saito, Hideyuki Mizumachi, Taku Nishijo, Masaaki Miyazawa, Hitoshi Sakaguchi (Japan). Development of a novel in vitro skin sensitization assay with reconstructed human epidermis named EpiSensA for lipophilic chemicals

9:45 - 10:00 Ade Nadége (France). The Myeloid U937 Skin Sensitization Test (U-SENSTM): a standardized in vitro method reducing the manufacturing cost-price through automation

10:00 - 10:15 Jennifer Hennen and Brunhilde Blomeke (Germany). Prediction of Sensitization Potential and Potency of Chemicals in vitro - Impact of Cross Talk between Keratinocytes and Dendritic Cells using a HaCaT/THP-1 coculture


10:30 - 10:45 Coffee break

Session 6. Integrated approaches to testing and assessment

Chairs: Silvia Casati and Janine Ezendam

10:45 - 11:00 Erwin L. Roggen (Denmark). A system-based safety assessment paradigm that reveals the complex multidimensional relationship between exposure, biological responses and human health

11:00 - 11:15 Joanna S. Jaworska, Andreas Natsch, Cindy Ryan, Judy Strickland, Takao Ashikaga, Misaaki Miyazawa (International). Assessing sensitizer potency with new Bayesian network BN ITS-3: integrating all three validated assays, TIMES SS and chemistry information improves predictions
11:15 - 11:30  **Annette Mehling**, D Urbisch, N Honarvar, SN Kolle, T Ramirez, W Teubner, R Landsiedel (Germany). *Two out of three - the next episode*

11:30 - 11:45  **Aurélia Del Bufalo**, Hicham Nocairi, Thierry Pauloin, Cécile Piroird, Silvia Teissier (France). *Latest news on integrated approach for skin sensitization assessment*

11:45 - 12:00  Monique Nijkamp, Bas Bokkers, Martine Bakker, **Janine Ezendam**, Christian Delmaar (The Netherlands). *Quantitative assessment of the risk of skin sensitization from aggregate exposure to geraniol arising from the use of personal care products and household cleaning agents*

*In bold the name of the presenting author*