

Joined ERGECD – ITCASS Meeting

Forward Program

February 3-5, 2021, Lyon, France

The 29TH edition of the European Research Group on Experimental Contact Dermatitis (ERGECD) meeting is joined for the first time with the 10TH edition of the Immunotoxicology and Chemical Allergy Specialty Section (ITCASS) meeting

10TH ITCASS MEETING

Wednesday, 3rd February 2021

9.15 – 9.30 **Opening of 10TH ITCASS Meeting**

Round 1 - Title session

Chairs:

9.30 – 10.30 *Presentations*

1. Key Lecture

Marc Pallardy – Paris

2. Understanding human exposure and health hazard of micro- and nanoplastic contaminants in our environment

Raymond Pieters – Utrecht

3. Innate-like B-1 lymphocytes collaborate with macrophages in pulmonary particle-induced responses and granuloma formation

Léa Hiéronimus – Brussels

4. Upcoming Title

Ambra Madallon - Milan

10.30 – 11.00 *Questions to speakers*

11.00 – 11.30 *Break*

Round 2 - Title session

Chairs:

11.30 – 12.30 *Presentations*

1. Upcoming Title

Erica Buoso - Pavia

2. Characterization of chemical-specific CD4⁺ T cells in human blood

Caterina Curato – Berlin

3. Molecular mechanisms of T-cell mediated adverse drug reactions targeting the skin and blood
Monday Ogege – Liverpool

4. Immune responses in reconstructed human skin on chip upon exposure to sensitizers
Jasper Koning – Amsterdam

12.30 – 13.00 Questions to speakers

13.00 – 13.15 Closure of 10th ITCASS Meeting

29TH ERGECD Meeting

14.00 – 14.05 **Opening of the 29TH ERGECD**

Round 1 - Protein reactivity and skin sensitization assessment

Chairs: Andreas Natsch – Vernier / Marc Pallardy – Paris

14.05 – 15.05 Presentations

1. Detection of free radicals from skin sensitizers: EPR-spin trapping an essential tool
Yannick Port-Lougarre – Strasbourg

2. Characterization of hapten-protein adducts
Lorena Ndreu - Stockholm

3. Linalool hydroperoxides: new chemical inputs on skin sensitization radical mechanisms
Elena Gimenez-Arnau – Strasbourg

4. Probing the skin with ToF-SIMS: Do metal allergens change lipid composition?
Niamh O'Boyle – Dublin

5. Skin sensitizers in clothes – occurrence, skin uptake and assessment exposure
Josefine Carlsson – Stockholm

15.05 – 15.35 Questions to speakers

15.35 – 16.00 Break

16.00 – 17.00 Presentations

6. Assessment of cytotoxicity and sensitization potential of intradermally injected tattoo inks in reconstructed human skin
Sander Spiekstra - Amsterdam

7. Assessment of fragrance ingredients for skin sensitization potential using U-SENS™

Isabelle Lee – Newark

8. RHE-LC, reconstructed epidermis including Langerhans Cells, a useful tool for skin immunity studies and evaluation

Jean-Marc Ovigne – Lyon

9. Future perspective of immunocompetent skin and lymph node on chip

Sue Gibbs – Amsterdam

17.00 – 17.30 Questions to speakers

Thursday, 4th February 2021

Round 2 - Activation of the innate and adaptive immune system

Chairs: Stefan Martin – Freiburg / Marc Vocanson – Lyon

9.00 – 9.30 Guest lecture “Cutaneous immune responses to external stimuli”

Kenji Kabashima - Kyoto

9.30 – 10.30 Presentations

1. Molecular adaptation of a monocyte cell line to hapten exposure

Johanna Morot – Lyon

2. Understanding the chemical allergen potency: the role of miRNAs in keratinocytes

Martina Iulini – Milan

3. Understanding the chemical allergen potency: the role of miRNAs in dendritic cells

Valentina Galbiati – Milan

4. Dual role of CinA on IL-1b regulation through Nrf2 pathway activation in keratinocytes

Romain Vallion – Châtenay-Malabry

5. Opposite responses to contact allergens in mice with two common skin protein mutations

Mia Hamilton Jee – Copenhagen

10.30 – 11.00 Questions to speakers

11.00 – 11.30 Break

11.30 – 12.30 Presentations

6. Feeding of fat-enriched diet causes the loss of resistance to contact hypersensitivity

Anne-Catherine Rülh-Muth - Freiburg im Breisgau

7. Role of skin microbiome in immunosuppression to contact allergens

VijayKumar Patra - Lyon

8. Distinct features of metal-specific human CD4+ T cell receptors

Katherina Siewert – Berlin

9. How T-cells recognize chemicals?

Marc Pallardy – Châtenay-Malabry

10. Characterisation of T-cell involvement in DILI to a range of implicated therapeutics

Paul Thomson – Liverpool

12.30 – 13.00 Questions to speakers

13.00 – 14.00 Break

14.00 – 14.45 Presentations

11. Pathogenic CD8+ epidermis-resident memory T cells displace dendritic epidermal T cells in allergic contact dermatitis

Anne Sophie Gadsboll – Copenhagen

12. CD8+ epidermal-resident memory T cells recruit neutrophils that are essential for allergen-induced flare-ups in contact dermatitis

Anders Boutrup Funch – Copenhagen

13. Impact of corticosteroids on the biology of skin resident memory T cells and the recurrence of eczema

Emi Ono – Lyon

14.45 – 15.00 Questions to speakers

Round 3 - Skin sensitization assessment & risk assessment

Chairs: Elena Gimenez-Arnau – Strasbourg / Valentina Galbiati – Milan / Petra Kern - Strombeek-Bever

15.00 – 16.00 Presentations

1. The predictivity of the kinetic DPRA (kDPRA) for sensitizer potency assessment

Andreas Natsch – Vernier

2. The kinetic Direct Peptide Reactivity Assay (kDPRA): Intra- and inter-laboratory reproducibility in a seven-laboratory ring trial

Susanne Kollé – Ludwigshafen

3. TBD: Next Generation risk assessment: a case study

Nathalie Alépée – Aulnay-Sous-Bois

4. Development and application of a Next Generation Risk Assessment Framework (NGRA) for the Evaluation of Skin Sensitisation of Cosmetic Ingredients

Fanny Boislève – Neuilly-Sur-Seine

16.00 – 16.30 Questions to speakers

16.30 – 17.00 Break

17.00 – 17.45 Presentations

5. Weight of Evidence Approach for Skin Sensitization Potency Categorization of Fragrance Materials

Mihwa Na - Woodcliff Lake

6. Update on the Bayesian Net Defined Approach

Petra Kern - Strombeek-Bever

7. How to assure consumer safety in skin sensitization without animal testing: demonstration through a case study with resorcinol

Fleur Tourneix – Aulnay-sous-Bois

17.45 – 18.00 Questions to speakers

Friday, 5th February 2021

Round 3 - Human allergy/immunology

Chairs: Saadia Kerdine-Romer - Paris / Ana-Maria Gimenez-Arnau – Barcelona / Jean-François Nicolas – Lyon

9.00 – 9.30 Guest lecture “Upcoming title”

Thomas Rustemeyer - Amsterdam

9.30 – 10.30 Presentations

1. The allergic signature of Amerchol™ L-101-induced contact dermatitis

Marine-Alexia Lefèvre – Lyon

2. Compendium of practices on career guidance for youth with atopic dermatitis

Marie-Noëlle Crépy – Paris

3. Dermatitis venenata: the state of contact dermatitis one hundred years ago

David Gawkrödger – Sheffield

4. Unusual contact dermatitis to a transcutaneous electrical nerve stimulation device

Audrey Nosbaum – Lyon

10.30 – 11.00 Questions to speakers

11.00 – 11.30 Break

11.30 – 12.30 Presentations

5. Prevention of photosensitivity with action spectrum adjusted protection for erythropoietic protoporphyria

Takashi Teramura – Lyon

6. Clinical prognosis of vaccine-related itching nodules - a 20 year follow-up

Anette Gente Lidholm – Goteborg

7. Skin sensitivity to capsaicin, stress and burn out among patients with building related symptoms

Bo Glas – Umea

8. Fluorescent visualization of melanosome distribution in human skin tissue

Chikako Yoshikawa – Lyon

12.30 – 13.00 Questions to speakers

13.00 – 13.15 Closure of the 29th ERGECD