

## NATIONAL FACILITY FOR BIOPHARMACEUTICALS (NFB) AND ENVISBE SOLUTIONS IN COLLABORATION WITH EPISKIN ACADEMY (FRANCE) ANNOUNCES IT'S 1ST NATIONAL CONGRESS ON ALTERNATIVES TO ANIMAL TESTING

### BACKGROUND OF THE CONFERENCE:

Product development has grown by leaps and bound over the past decade. New and novel ingredients are being introduced with higher frequency and multi-functional products with proven efficacy are becoming the order of the day. With use of more and more potent ingredients, the need for well-established safety assessment is becoming increasingly important in the drug discovery, environmental risk assessment and cosmetic sectors.

On the other hand, with complete ban on animal testing for cosmetics in India as well as other countries, and the growing concern about the extent of relevance of data generated in animal models to human beings, the need for understanding and adopting alternate methods for safety assessment has become the need of the hour.

This conference aims to provide the platform for sharing information and updates on the latest practices in safety assessment as well as regulatory guidelines that are emerging. Eminent speakers will share their knowledge and experience in this area and the panel discussion towards the end of the conference will provide opportunity for participants and speakers to interact and exchange knowledge.

**DATE: 14th December 2017**

**Venue: The Orchid Hotel, 70-C, Nehru Road, Near Mumbai Domestic Airport, Vile Parle (East), Mumbai, Maharashtra, 400099.**

**Timing: 8.30am onwards**

### HIGHLIGHTS OF THE CONFERENCE

#### Some of the Eminent Speakers and Topics Include: nclusion

- **Prof. Dr. Mohammad A. Akbarsha** [Professor of Animal Science & Biomedical Science; Former Doerenkamp-Zbinden Foundation Chair for Alternatives] – i) **Trends in in-vitro approaches to toxicology and pharmacology;** ii) **Invertebrate model organisms for environmental chemical risk assessment in vivo.**
- **Dr. Christian PELLEVOISIN** [Scientific Director, Episkin Academy, France] - **Reconstructed skin models and methods for hazard and risk assessment of chemicals and cosmetics.**
- **Prof. Dr. Achutsankar S Nair** – [Director, Quality Assurance & Professor, Dept. of Computational Biology and Bioinformatics, University of Kerala] - **Bio-informatics - The Computational Microscope** - with special focus on computational/bioinformatics approach to toxicology and pharmacology, and tools such as Q'SAR, TOXCAST, etc.
- **Benedict Mascarenhas** [Chairman & Managing Director – EnvisBE Solutions Pvt. Ltd.] – **Safety Testing - Regulatory Changes in the Cosmetic Sector**
- **Dr. Adip Roy (TBC)** – [Head – Regulatory Affairs, Amway India Enterprises] – **Tox21c, REACH and OECD Guidelines**
- Other topics, for which confirmation from speakers is awaited, include **Current Global Scenario on Safety Assessment, Integrated Approaches to Testing and Assessment (IATA), Adverse Outcome Pathways, etc.**
- **PANEL DISCUSSION** would discuss the **Current Challenges to Safety Assessments and the Way Forward** with special emphasis on **Status in India.**
- **Opportunity to Interact and Network with the Experts in the field.**

### ORGANISING COMMITTEE:

- **Benedict Mascarenhas** – Chairman & Managing Director – EnvisBE Solutions, Convener
- **Dr. Christian Pellevoisin** – Scientific Director, Episkin Academy
- **Prof. Dr. Mohammad A. Akbarsha** – Founder, MGDC
- **Dr. Pratiksha Alaag** – In-charge, NFB
- **Dr. Gaganjyot Kaur** - In-charge, NFB

For further information & Queries :

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NATIONAL FACILITY FOR BIOPHARMACEUTICALS (NFB) IN  
COLLABORATION WITH EPISKIN ACADEMY (FRANCE)  
ANNOUNCES NATIONAL WORKSHOP

**“HANDLING OF RECONSTRUCTED  
HUMAN 3D - TISSUE MODEL”**

**CERTIFICATION TO OECD TG439 FOR IN VITRO SKIN IRRITATION OF CHEMICALS WITH  
RECONSTRUCTED HUMAN EPIDERMIS (RHE)**

- ▶ **About NFB:** First of its kind Institute in India committed to deliver hands on training in Molecular Biology, Protein Purification, Fermentation and Mammalian tissue culture techniques. It serves to bridge the gap between industry and academics.
- ▶ **About Episkin Academy:** Episkin produces reconstructed human tissue for research and to assess safety and efficacy of chemicals, cosmetics, dermatological products etc. Episkin Academy is an international educative program to support development of alternative methods by courses and workshops in collaboration with institutes and universities.
- ▶ **About Workshop:** : With a world wide progressive shift towards toxicology using *in-vitro* methods for scientific and ethical reasons and a complete ban on animal testing for cosmetic in India and other countries there is an increasing need for developing capabilities in alternate testing procedure based on OECD and other international guidelines.
- The program covers lectures in classroom and hands-on manipulation into laboratory with real tissues models.
- The handling part of the workshop will be a real value added for participants. The training is based on the OECD TG439 for *in-vitro* skin irritation of chemical with Episkin Reconstructed Human Epidermis (RHE). This method has been selected in accordance to its status of regulatory method based on RHE model, robust and widely used, easy to handle and easy to implement.

**PROGRAM**

- Presentation – Regulation, Alternative Methods, Tissue Engineering
- Preincubation
- Exposition, Rinsing- Post-incubation
- MTT, Manipulation of Other 3D models
- Applications of 3D Models to efficacy testing, to Drug Development and to Medical Devices Assessment
- Isopropanol extraction
- OD Reading
- Data Interpretations
- Discussion on Alternative Methods – Conclusion
- Certification

**Who can participate: (limited to 16 trainees, 8 per day for better focus and individual attention).**

- Faculties/Scientist/ Students from University/Institutes
- Representatives from Regulatory Body's/ Authorities/Science Academies

**Trainer:**

**Dr Christian Pellevoisin**  
Scientific Director Episkin Academy (France)

**Dr Pratiksha Alaag**  
In-charge NFB

**Dr Gaganjyot Kaur**  
In-charge NFB

**Benedict Mascarenhas**  
CMD - EnvisBE Solutions  
Technical Advisor NFB

Venue: National Facility for Biopharmaceuticals,  
G N Khalsa College, Matunga (East), Mumbai-19

Date: 15th and 16th December 2017

Timing: 09:00 am to 6:30 pm

For further queries mail to:

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For Registration



NATIONAL FACILITY FOR BIOPHARMACEUTICALS (NFB) IN  
COLLABORATION WITH EPISKIN ACADEMY (FRANCE)  
ANNOUNCES NATIONAL WORKSHOP

**“HANDLING OF RECONSTRUCTED  
HUMAN 3D - TISSUE MODEL”**

CERTIFICATION TO OECD TG492 FOR IN VITRO EYE IRRITATION OF CHEMICALS WITH  
RECONSTRUCTED HUMAN CORNEAL EPITHELIUM (HCE)

- ▶ **About NFB:** First of its kind Institute in India committed to deliver hands on training in Molecular Biology, Protein Purification, Fermentation and Mammalian tissue culture techniques. It serves to bridge the gap between industry and academics.
- ▶ **About Episkin Academy:** Episkin produces reconstructed human tissue for research and to assess safety and efficacy of chemicals, cosmetics, dermatological products etc. Episkin Academy is an international educative program to support development of alternative methods by courses and workshops in collaboration with institutes and universities.
- ▶ **About Workshop:** : With a world wide progressive shift towards toxicology using *in-vitro* methods for scientific and ethical reasons and a complete ban on animal testing for cosmetic in India and other countries there is an increasing need for developing capabilities in alternate testing procedure based on OECD and other international guidelines.
  - The program covers lectures in classroom and hands-on manipulation into laboratory with real tissues models.
  - The handling part of the workshop will be a real value added for participants. Training is based on the recently validated OECD TG 492 for eye irritation with SkinEthic HCE, a reconstructed Human Corneal Epithelium.

PROGRAM

- Presentation – Regulation, Alternative Methods, Tissue Engineering
- Preincubation
- Exposition, Rinsing- Post-incubation
- Exposition, Rinsing, Postsoak for liquids – and post-incubation for solids
- Presentation: Integrated Approach on Testing and Assessment (IATA) for Serious Eye Damage and Eye Irritation
- Isopropanol extraction
- OD Reading
- Data Interpretations
- Discussion on Alternative Methods – Conclusion
- Certification

**Who can participate: (limited to 8 trainees)**

- Scientists from Industry and Private Companies

**Trainer:**

**Dr Christian Pellevoisin**  
**Scientific Director Episkin Academy (France)**

**Dr Pratiksha Alaag**  
**In-charge NFB**

**Dr Gaganjyot Kaur**  
**In-charge NFB**

**Benedict Mascarenhas**  
**CMD - EnvisBE Solutions**  
**Technical Advisor NFB**

Venue: National Facility for Biopharmaceuticals,  
G N Khalsa College, Matunga (East), Mumbai-19

Date: 18th and 19th December 2017

Timing: 09:00 am to 6:30 pm

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