



# INTENSIVE COURSE IN DERMATO-COSMETIC SCIENCES

BRUSSELS  
7 - 11 Sept 2009

## Key questions to be tackled by the course

- How to realise daily skin care and how to deal with the delicate napkin zone ?
- How important is the barrier function of the skin ?
- What is "sensitive skin" ?
- What are the newest findings concerning skin aging ?
- How can one efficiently protect the skin from premature aging ?
- How safe are hair dyes ?
- How safe are dermato-cosmetics today ?
- How important is dermal absorption for the safety of dermato-cosmetics ?
- Is the application of *in vitro* methods for safety testing of cosmetics possible today ? How can we test safety and efficacy of cosmetics without experimental animals?
- How effective are skin care products ? Can their efficacy be objectively evaluated by the use of non-invasive methods on humans? Are there new techniques available ?



Vrije Universiteit Brussel

Faculty of Medicine and Pharmacy

## OBJECTIVES

This international course has been organized in 1992 and from 1995 on every year. Because of its overwhelming success it will be organized again this year. The course offers an intensive training programme, designed for those of graduate and postgraduate status, in the field of dermato-cosmetic sciences. Our aspiration is not only to provide up-to-date reliable scientific information of university standard regarding the preparation and production of chemically and toxicologically well defined products, but also of the close interaction between dermatologic or cosmetic products and the skin as a living organ. The course is aimed to form specialists for the cosmetic industry, the dermatologically oriented pharmaceutical industry and for professionals in research and development, scientists, marketers and training people involved in dermato-cosmetics.

## COURSE ADMINISTRATORS

### André Barel

Doctor in Biochemistry, special licence in Cosmetology, professor emeritus in Chemistry and Biochemistry, Vrije Universiteit Brussel, active emeritus for the Department of General and Biological Chemistry.

### Vera Rogiers

Doctor in Pharmaceutical Sciences. Master in Applied Toxicology, full-time professor at the Vrije Universiteit Brussel (VUB) in the faculty of Medicine and Pharmacy; head of department of Toxicology; lecturing the courses of toxicology, chemical quality and toxicity of cosmetics, and galenics (dermatological preparations) to pharmacy students; responsible for two research teams, one in experimental *in vitro* toxicology and one in dermato-cosmetology. Organizer of the course : "Safety Assessment of Cosmetics in the EU". At the European level, co-chair of the SCCS (Scientific Committee on Consumer Safety). Chairperson of *ecopa* (European Consensus Platform on 3R-Alternative Methods).

Coordinator (Start-up) and research partner (Carcinogenomics, Lintop and ESNATS) in EU projects. Member of the mirror group of *epaa* (The European Partnership for Alternative Approaches to Animal Testing). Member of ESAC (ECVAM Scientific Advisory Committee).

### Diane Roseeuw

Aggregated PhD in Dermatology, professor in Dermatology at the Vrije Universiteit Brussel, head of the Department of Dermatology of the University Hospital of the Vrije Universiteit Brussel.

**The realisation of the course is possible thanks to the support of S.A. Beiersdorf N.V., Belgium.**

## SCIENTIFIC PROGRAMME

### SUNDAY 6 SEPTEMBER 2009

20.00 Welcome reception

### MONDAY 7 SEPTEMBER 2009

#### Session 1 : Skin care

- 08.45 - 09.00 Welcome  
*Prof. V. Rogiers (Vrije Universiteit Brussel, BE)*
- 09.00 - 10.00 Anatomy and physiology of skin and hair.  
*Prof. D. Roseeuw (Universitair Ziekenhuis Brussel, BE)*
- 10.00 - 11.00 Skin types and daily care.  
*Prof. V. Rogiers (Vrije Universiteit Brussel, BE)*
- 11.00 - 11.30 Coffee break
- 11.30 - 12.15 Skin care of the napkin zone.  
*Dr. R. Adam (Procter & Gamble, Schwalbach am Taunus, DE)*
- 12.15 - 13.45 **Lunch**

#### Session 2 : Sun, skin, aging and objective evaluation

- 13.45 - 14.45 Actinic and chronobiological aging.  
*Prof. D. Roseeuw (Universitair Ziekenhuis Brussel, BE)*
- 14.45 - 15.45 Objective evaluation of cosmetic claims in human volunteers.  
*Prof. K. Wilhelm (ProDerm, Schenefeld, DE)*
- 15.45 - 16.15 Coffee break
- 16.15 - 17.15 Microrelief and wrinkle measurements.  
*Prof. K. Wilhelm (ProDerm, Schenefeld, DE)*

### TUESDAY 8 SEPTEMBER 2009

#### Session 2 : Sun, skin, aging and objective evaluation (continued)

- 08.45 - 09.45 Human exposure to sunlight and sun protection by physical means.  
*Prof. B. Diffey (Newcastle University, UK)*
- 09.45 - 10.45 Overview of new UV-filters.  
*Ing. U. Osterwalder (Ciba Specialty Chemicals, Basel, CH)*
- 10.45 - 11.15 Coffee break
- 11.15 - 12.15 Is there something like a healthy tan?  
*Dr. J. Lambert (Rijksuniversiteit Gent, BE)*
- 12.15 - 13.45 **Lunch**
- 13.45 - 14.45 Harmonisation of UV-A protection testing in Europe.  
*Dr. H. Gers-Barlag (Beiersdorf, Hamburg, DE)*

#### Session 3 : Objective evaluation of the efficacy of cosmetics

- 14.45 - 15.30 Measurement of color changes of the skin.  
*Prof. A. Barel (Vrije Universiteit Brussel, BE)*
- 15.30 - 16.00 Coffee break
- 16.00 - 16.45 Sensitive skin, tests available and objectivation by functional Magnetic Resonance Imaging (MRI).  
*Dr. B. Querleux (L'Oréal, Aulnay Sous Bois, FR)*

### WEDNESDAY 9 SEPTEMBER 2009

#### Session 3 : Objective evaluation of the efficacy of cosmetics (continued)

- 09.00 - 09.45 Skin - Target and Source of Photons–NIR-RS and ICL-S.  
*Dr. M. Rohr (Institut Dr. Schrader, Holzminden, DE)*
- 09.45 - 10.45 Skin hydration and TEWL measurements in efficacy testing of cosmetics.  
*Prof. V. Rogiers (Vrije Universiteit Brussel, BE)*
- 10.45 - 11.15 Coffee break
- 11.15 - 12.00 Applicability of *in vivo* confocal Raman spectroscopy in efficacy measurements of dermato-cosmetics.  
*Dr. A. van der Pol (River Diagnostics BV, Rotterdam, NL)*

12.00 - 13.15 **Lunch**

**Afternoon** Guided visit to Mechelen with get-together and dinner.

#### **THURSDAY 10 SEPTEMBER 2009**

##### **Session 4 : Legislative aspects of dermato-cosmetics**

09.30 - 11.00 Actual EU-legislation on cosmetics and Recast.  
*NN*

*11.00 - 11.30 Coffee break*

##### **Session 5 : Barrier function of the skin**

11.30 - 12.30 Barrier function of the skin and importance of lipid/  
biochemical mechanisms involved.  
*Prof. N. Schürer (Universität Osnabrück, DE)*

12.30 - 14.00 **Lunch**

14.00 - 15.00 Dermal absorption of cosmetic ingredients.  
*Dr. W. Steiling (Henkel, Düsseldorf, DE)*

15.00 - 16.00 Dermato-cosmetics affecting the barrier function.  
*Prof. K. De Paepe (Vrije Universiteit Brussel, BE)*

*16.00 - 16.30 Coffee break*

##### **Session 6 : Safety of dermato-cosmetic products**

16.30 - 17.30 Side effects of cosmetics.  
*Prof. A. Goossens (KU Leuven, BE)*

#### **FRIDAY 11 SEPTEMBER 2009**

##### **Session 6 : Safety of dermato-cosmetic products (continued)**

09.00 - 10.00 Safety testing of cosmetics in the cosmetic industry  
today.  
*Dr. G. Nohynek (L'Oréal, Clichy, FR)*

10.00 - 11.00 Testing of cosmetics without experimental animals.  
*Prof. V. Rogiers (Vrije Universiteit Brussel, BE)*

*11.00 - 11.30 Coffee break*

11.30 - 12.30 Hair dyes : use and safety aspects  
*Dr. G. Nohynek (L'Oréal, Clichy, FR)*

12.30 - 13.30 **Lunch**

#### **DATE AND LOCATION**

The Intensive Course in Dermato-Cosmetic Sciences will be held from Monday 7 September to Friday 11 September 2009 at the Vrije Universiteit Brussel, Medical Campus Jette, Laarbeeklaan 103, 1090 Brussels, Belgium.

#### **LANGUAGE**

The official language of the course is English.  
No simultaneous translation will be provided.

#### **COURSE NOTES**

Complete course notes will be available for all the participants.

#### **TRANSPORT**

Brussels is easily reachable by air, train or car. A map indicating the localisation of the hotels and the university will be sent to all registered participants.

#### **ACCOMMODATION**

Single rooms have been reserved at special rates in two hotels in the centre of Brussels : the **Astrid Hotel** ; Place du Samedi 11, 1000 Brussels and the **Atlas hotel** ; Rue du Vieux Marché aux Grains 30, 1000 Brussels.

Hotel reservations should be arranged through the course secretariat but payment will have to be done at the hotel and is **not** included in the course fee. More information on the hotels can be obtained through our website : <http://dercoscourse.vub.ac.be>

A free shuttle bus service will operate between the hotels and the university. Lunches are served at the university and are included in the course fee. Dinners are not included, with the exception of the course dinner in Mechelen on Wednesday 9 September 2009.

#### **COURSE FEE**

**The inscription rate for the Intensive Course in Dermato-Cosmetic Sciences is 1.710 €.**

The course fee, payable in advance, covers all lessons, course notes, coffee breaks after each lesson, reception, lunches, transport between the hotels and the university and the guided excursion on Wednesday 9 September to Mechelen with get-together and dinner.

## **SOCIAL PROGRAMME**

Sunday 6 Sept. 2009 : welcome reception.

Wednesday 9 Sept. 2009 : guided visit to Mechelen, get-together and course dinner.

The social programme is kindly offered by SA Beiersdorf NV, Belgium.

## **REGISTRATION**

The registration form must be sent back before August 23, 2009.

Please note that the number of participants is limited to 55. In view of the high number of participants in the dermato-cosmetic courses organised during the last years by the same course administrators, it is highly advisable to **send in your registration form as soon as possible**. Registration will be carried out on a **first come first served** basis.

## **CANCELLATION**

Registered participants who cannot attend the course may apply for a refund of the registration fee. Only if another participant is taking over the whole fee will be refunded, less a 120 € administrative charge. Otherwise, no refund will be made.

## **CORRESPONDENCE**

All correspondence concerning this course should be addressed to :

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