

Non-Invasive Imaging in Dermatology

Combined Course | 2-4 March 2026 | Marseille, France

Description

The primary goal of the course is to provide participants with a comprehensive overview of the non-invasive skin imaging techniques, including reflectance confocal microscopy, optical coherence tomography, line-field confocal optical coherence tomography and high-frequency ultrasound. The course will also include correlations between these methods and dermoscopy, and dermato-pathology. Additionally, it will cover Total Body Photography techniques for the early detection of skin cancer and their integration with Artificial Intelligence.

Lectures will be provided by a carefully selected faculty, including international experts in each field, covering major dermatological conditions imaged using these techniques. Practical group sessions will be held at the course venue to use the techniques at the Department of Dermatology and Skin Cancer at La Timone Hospital and the Automated Melanoma Screening Center at La Conception Hospital, Aix Marseille University, Marseille, France.

The course will feature the fundamentals of these imaging techniques, focusing on diagnosis and medical follow-up and quiz sessions to practice. The venue is equipped with various devices, including a reflectance confocal microscope (mosaic and handheld), a line-field confocal optical coherence tomographer (2D and 3D with dermoscopy), two total body photography systems (Fotofinder and VECTRA), a high-frequency ultrasound (22-70 MHz), and a video dermoscope. Participants will also have access to dermoscopy and dermato-pathology facilities.

Learning Objectives

1. Total Body Photography and Dermoscopy
2. Reflectance Confocal Microscopy (RCM)
3. OCT and LC-OCT
4. (Ultra) high frequency UltraSound
5. Multimodal imaging and Artificial Intelligence

Faculty

Chairs: Jilliana Monnier, Mariano Suppa, Elsa Cinotti
Speakers: Giovanni Pellacani, Josep Malvehy, Philippe Bahadoran,
Tutors: Linda Tognetti, Sandra Schuh
Assistants: Alia Ghorfi, Lamia Mansour, Josephine Cazals de Fabels, Margaux Clastre, Arthur Bartolini, Assia Azahaf, Wiam Al Bouzidi

Programme

Monday, 02 March 2026

- 14:00-14:15** Welcome & introduction
Jilliana Monnier, Elisa Cinotti, Mariano Suppa
- 14:15-15:00** Non-invasive imaging in dermatology: From colours to cells, from human to artificial Intelligence
Josep Malvehy
- 15:00-15:45** Dermoscopy of benign and malignant melanocytic lesions
Giovanni Pellacani

15:45-16:30 Clinical practice : Total body photography dermoscopy and IA
Jilliana Monnier

16:30-17:00 *Coffee break*

17:00-17:30 Dermoscopy of non-melanocytic lesions
Mariano Suppa

17:30-18:00 Dermoscopy of inflammatory and infectious conditions
Linda Tognetti

Tuesday, 03 March 2026

08:30-09:00 What's behind dermoscopy: histopathological correlates
Philippe Bahadoran

09:00-09:45 Reflectance confocal microscopy (RCM): A new era for the diagnosis of melanocytic and non-melanocytic skin tumours
Giovanni Pellacani

09:45-10:15 Is lentigo maligna the best application for confocal microscopy and magnified dermoscopy?
Elisa Cinotti

10:15-10:45 *Coffee break*

10:45-11:15 Mucosal, infectious and inflammatory conditions: the role of in vivo confocal microscopy
Elisa Cinotti

11:15-11:45 Ex-vivo confocal microscopy: From dermatology to pathology
Josep Malvehy

11:45-12:15 Optical coherence tomography (OCT) in dermatology: A love story
Sandra Schuh

12:15-13:00 *Lunch break*

13:00-13:30 Line-field confocal optical coherence tomography (LC OCT): Introduction and basal cell Carcinoma (BCC)
Mariano Suppa

13:30-14:00 Line-field confocal optical coherence tomography (LC OCT) of melanocytic lesions
Sandra Schuh

14:00-14:15 Quizz on non-invasive imaging
Jilliana Monnier, Elisa Cinotti, Mariano Suppa, Assistants

14:15-14:30 *Coffee break*

14:30-15:00 Transfer to Hospital La Conception in public transport

15:00-16:45 Hands-on-machines: A practical experience with patients
All Faculty

20:00-22:00 *Networking Dinner with participants and faculty members*

Wednesday, 04 March 2026

- 09:00-09:30** Line-field confocal optical coherence tomography (LC OCT): Actinic keratosis, Bowen's disease, squamous cell carcinoma
Elisa Cinotti
- 09:30-10:00** Line-field confocal optical coherence tomography (LC OCT) of other dermatological conditions
Linda Tognetti
- 10:00-10:15** *Coffee break*
- 10:15-14:35** Multi Modal Imaging
Jilliana Monnier
- 10:35-11:00** High-frequency ultrasound in skin cancers and dermus
Philippe Bahadoran
- 11:00-11:20** High-frequency ultrasound in other applications
Linda Tognetti
- 11:20-12:50** Resident Clinical case presentations
- 12:50-13:05** Quizz on non-invasive imaging
Jilliana Monnier, Elisa Cinotti, Mariano Suppa, Assistants
- 13:05-13:15** Closing remarks and farewell – Coffee break included
Jilliana Monnier, Elisa Cinotti, Mariano Suppa

The programme might be subject to changes.

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