



**Development and Implementation of European Standards on
Prevention of Occupational Skin Diseases, StanDerm, TD1206**

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COST domain: Trans-Domain Proposals (TD)

Course Schedule

Training School of Skin Barrier Assessment in Occupational Dermatology

Split, 15 – 17 April 2015.

Local organizer: Ivone Jakasa
Faculty of Food Technology and Biotechnology
University of Zagreb, Croatia

Mediterranean Institute for Life Sciences
Meštrovićevo šetalište 25, Split, Croatia

Wednesday April 15th		
Time	Program	Moderator: Swen M. John (DE)
09:00 – 12:00	Welcome + Plenary lectures <u>Jacob P. Thyssen</u> (DK) Skin barrier: molecular and clinical aspects (30 min) <u>Ivone Jakasa</u> (HR) How to assess the skin barrier? (30 min) <i>Coffee break (30 min)</i> <u>Christoph Riethmüller</u> (DE) Atomic Force Microscopy of the skin (30 min) <u>Gerwin Puppels</u> (NL) <i>In vivo</i> Raman Confocal Microscopy of the skin (30 min) Discussion	
12:00 – 12.45	Lunch	
12.45 – 13.00	Practical – Part 1: brief instructions for each group	
13:00 – 15:00	<u>Skin Bioengineering Techniques</u> TEWL / Skin hydration / Erythema (Lab form 2) Group: GREEN	<u>Tape stripping</u> (Lab form 1, Excel Assignment 1) Group: YELLOW
13:00 – 15:00	<u>Raman Confocal Microscopy</u> Group: RED	<u>Atomic Force Microscopy (AFM)</u> Group: BLUE
15:00 – 15:30	<i>Coffee break & data analysis</i>	
15:30 – 15:45	Practical – Part 2: brief instructions for each group	
15:45 – 17:45	<u>Skin Bioengineering Techniques</u> TEWL / Skin hydration / Erythema (Lab form 2) Group: BLUE	<u>Tape stripping</u> (Lab form 1, Excel Assignment 1) Group: GREEN
15:45 – 17:45	<u>Raman Confocal Microscopy</u> Group: YELLOW	<u>Atomic Force Microscopy (AFM)</u> Group: RED
17:45 – 18:15	<i>Data analysis</i>	
18:30 –	Dinner / Split City Evening	

Thursday		April 16th
Time	Program	Moderator: Jacob P. Thyssen (DK)
09:00 – 12:00	Plenary lectures <u>Joke Bouwstra (NL)</u> Stratum corneum lipids (30 min) <u>Sanja Kezic (NL)</u> What kind of information is deliverable from tape strips (30 min) <i>Coffee break (30 min)</i> <u>Tove Agner (DK)</u> Effects of irritants on skin barrier, and identification of susceptible individuals (30 min) <u>Jacob Thyssen (DK)</u> Atopic dermatitis (30 min) Discussion	
12:00 – 12:45	Lunch	
12.45 – 13:00	Practical – Part 3: brief instructions for each group	
13:00 – 15:00	<u>Skin Bioengineering Techniques</u> TEWL / Skin hydration / Erythema <i>(Lab form 2)</i> Group: RED	<u>Tape stripping</u> <i>(Lab form 1, Excel Assignment 1)</i> Group: BLUE
13:00 – 15:00	<u>Raman Confocal Microscopy</u> Group: GREEN	<u>Atomic Force Microscopy (AFM)</u> Group: YELLOW
15:00 – 15:30	<i>Coffee break & data analysis</i>	
15:30 – 15:45	Practical – Part 4: brief instructions for each group	
15:45 – 17:45	<u>Skin Bioengineering Techniques</u> TEWL / Skin hydration / Erythema <i>(Lab form 2)</i> Group: YELLOW	<u>Tape stripping</u> <i>(Lab form 1, Excel Assignment 1)</i> Group: RED
15:45 – 17:45	<u>Raman Confocal Microscopy</u> Group: BLUE	<u>Atomic Force Microscopy (AFM)</u> Group: GREEN
17:45 – 18:15	<i>Data analysis</i>	
18:30 –	Dinner / Split City Evening	

Friday April 17th		
Time	Program	Moderator: Sanja Kezic (NL)
09:00 – 12:00	<p>Plenary lectures</p> <p><u>Swen M. John</u> (DE) Why the barrier matters? (45 min)</p> <p><i>Coffee break</i> (15 min)</p> <p>Group presentations of results from practicals and evaluation of the TS</p>	
12:00 – 13:00	Lunch & round table discussion	