



Université Claude Bernard



Lyon 1



European Intensive Program - Galenos Course

27th september- 10th October 2009

PRELIMINARY PROGRAM

SKIN BARRIER FUNCTION

“Cutaneous absorption and Environmental Factors”

Claude Bernard University, Lyon ,France

**This Course is financially supported by the
European Lifelong Learning Program/Erasmus Intensive Program
IP-28256-CUE-07**



Sunday 27th September 2009
Arrival, Welcome and Presentation of the course

Monday 28th-Tuesday 29th September 2009 Session I : Skin Barrier Functions

Skin physiology	M. Haftek/ J.Portoukalian(UCBL)
Skin barrier function:the role of lipids and water	J.Bouwstra (Leiden University)
Extracellular matrix and cell interactions	P. Rousselle (IBCP)
Bacteriology and Bio films	J.Freney(UCBL)
Reconstructed human epidermis	E. Tessonnaud (Episkin)
Dendritic cells	C.Vincent(UCBL)
Optical properties of skin	J.C.Bernengo (NITECH)
UV radiation effects	B. Gabard (Iderma)
Sunscreen protection evaluation	B. Gabard (Iderma)
Mechanical properties of skin	C.Pailler Matéi (UCBL)
Skin bioadhesion	K.Padois (UCBL)

Wednesday 30th September 2009 Session II : Skin Absorption

Microdialyse/ Bioequivalence	V.Préat (Louvain University)
In vitro studies methodology	S.Hansen/C.M. Lehr(Sarbrueken University)
European procedure for in vivo studies	F.Pirot (UCBL)
Predicting dermatopharmacokinetics	F.Pirot(UCBL)
Modelling skin absorption	J.Pugh (Cardiff University)
Skin absorption modulation	F.Falson (UCBL)

Thursday 1st October 2009 Session III: Environmental Factors

Xenobiotics and Cutaneous Risks	<i>to be precised</i>
Decontamination	F.Pirot (UCBL)
Antiinflammatory drugs and	
Immunosuppressive drugs for cutaneous diseases	L.Saso (Roma University)
Evaluating safety and efficacy of cosmetics	A. Sirvent (Dermscan)
Effect of aging	F.Chanteloube (FCC)
Photodynamic therapy	A.Fahr (Jena University)

Friday 2nd October 2009 Session IV : Modulation of Skin Barrier Functions

Microemulsions	M. Gasperlin (Ljubljana University)
Liposomes	S.Antimiriassis (Patras University)
Flexible vesicles	A.Fahr (Jena University)
Transdermal patches	P.Santi (Parma University)
Nanoformulations	S.Nicoli (UCBL /Parma University)
Iontophoresis-Electroporation	Y.Kalia (Geneva University)
Cyclodextrines	F. Pilard (Amiens University)
Solid lipid nanoparticles:	J. Kristl (Ljubljana University)

Saturday 3rd October Session V : Research project presentations

Short communications of research project are presented by PhD students and Master research students

Sunday 4th October Discovering French culture

Monday 5th - Friday 9th October 2009 Session VI: Laboratory sessions

Cutaneous Hydration	H.Hirsch (Lalicorne)
Trans Epidermal Water Lost	H.Hirsch (Lalicorne)
Skin Micro relief imaging	H.Hirsch (Lalicorne)
Skin oxymetry	M.Rau (Oxford Optronix Ltd)
In vitro passive diffusion transfer through the skin	F.Pirot (UCBL)
Mathematical model for skin permeation	J.Pugh (Cardiff University)
Skin Imaging Confocal microscopy	Y.Tourneur (UCBL)
FTIR for in vivo percutaneous absorption evaluation	S.Lebras (Thermo Electron)
Formulation technologies: size and zeta potentiel	M. Terray (Malvern)
Skin characterization by oscillatory rheology and DMTA	M. Terray (Malvern)
Transdermal Delivery System	K.Padois(UCBL)

Pharmacy company visit

Saturday 10th October 2009 Evaluation for Students

Final Examination
Conclusion
Evaluation of the IP
Departure : Saturday 10th October afternoon

Social events during the IP

UCBL Welcome reception at Faculty of Pharmacy
UCBL International and Galenos Dinner in Vieux Lyon
Erasmus Students Dinner in Vieux Lyon
Acrobranche afternoon
Discovering French culture : Musée des Frères Lumière, Antics in Fourvière, Botanic Garden,
Degustation Vin

Location

UNIVERSITE CLAUDE BERNARD – LYON 1
Faculty of Pharmacy
Institut des Sciences Pharmaceutiques et Biologiques
8 Avenue Rockefeller
69008 LYON

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