



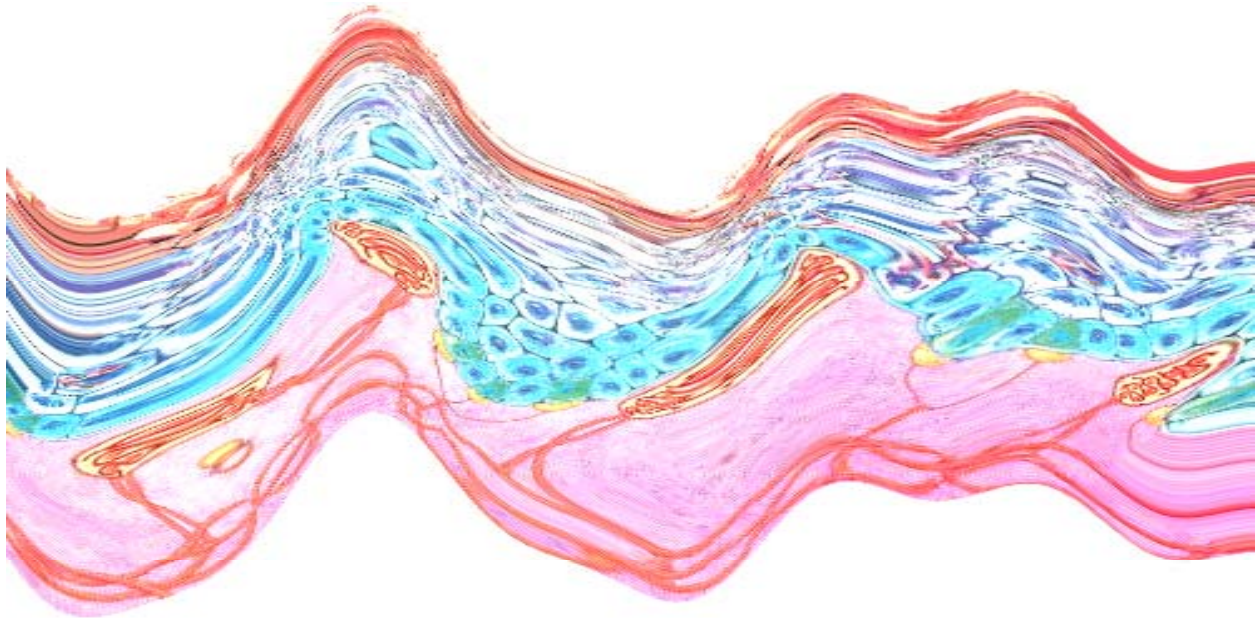
Pharmapeptides

European IP - Galenos Course

12 - 23 September 2005

"Skin Barrier Function : Pharmaceutical and Cosmetic Applications"

Claude Bernard Lyon1 University & Geneva University



This Course is financially supported by the European IP :
n° 28256-IC-1-2002-1FR-ERASMUS-IPUC-1 –
Lyon 1 University, Geneva University, Pharmapeptides

MONDAY 12nd

9.00 Registration	
9.00 Welcome presentation	F. Locher, <i>Dean of the Faculty of Pharmacy</i>
Programme presentation	F. Falson & F. Pirot
9.15 Session I : Skin Physiology (part 1)	
Structure of normal human skin	J. Kanitakis (<i>UCBL</i>)
Interkeratinocyte junctions and lipids	M. Haftek (<i>UCBL</i>)
Extracellular matrix and cell interactions	P. Rousselle (<i>IBCP-UCBL</i>)

12.30 Lunch

14.00 Session I : Skin Physiology (part 2)	
Keratinocytes and immunity	J. Kanitakis (<i>UCBL</i>)
Cutaneous dendritic cells	C. Dezutter (<i>UCBL</i>)
Bacteriological properties	J. Freney (<i>UCBL</i>)

TUESDAY, 13rd

9.00 Session II : Physical properties of the skin	
Skin hydration	C. Heard (<i>Cardiff University</i>)
Optical properties of the skin	JC Bernengo (<i>N2I – Hauterive – France</i>)
UV radiation effects	B. Gabard (<i>Iderma</i>)
Sunscreen protection evaluation	B. Gabard (<i>Iderma</i>)

12.30 Lunch

14.00 Session III : Pharmaceutic and cosmetic products	
Regulatory aspects in Europe	A. Pochet/C. Rousselle (<i>AFSSAPS</i>)
Effect of aging	F. Bonté (<i>LVMH Recherche</i>)

WEDNESDAY, 14th

9.00 Session IV : Cutaneous availability (part 1)	
Percutaneous absorption	H. Shaeffer (<i>University of Saarlands</i>)
<i>In vitro</i> studies	F. Netzlaff (<i>University of Saarlands</i>)
Transcutaneous capillaroscopy	Jean-Marie Sainthillier (<i>Univ. de Franche-Comté</i>)

12.30 Lunch

14.00 Session IV : Cutaneous availability (part 2)	
Pharmacokinetic predictive approach	F. Pirot (<i>UCBL</i>)
Modelling skin absorption	J. Pugh (<i>Cardiff University</i>)
<i>In vivo</i> safety and efficacy evaluation	F. Girard, A. Sirvent (<i>DermScan</i>)

17.30 UCBL Reception

THURSDAY, 15th

9.00 Session V : Modulation of the skin barrier function (part 1)	
Enhancers and retarders	F. Falson (<i>UCBL</i>)
Ionophoresis	Y. Kalia (<i>University of Geneva</i>)
Non invasive biological monitoring	Y. Kalia (<i>University of Geneva</i>)

12.30 Lunch

14.00 Session V : Modulation of the skin barrier function (part 2)	
Electroporation	V. Pr�eat (<i>University of Louvain</i>)
Nanof formulations	V. Faivre (<i>Paris XI</i>)
Occlusive and non occlusive systems	S. Nicoli (<i>University of Parma</i>)

FRIDAY, 16th

9.00 Session VI : Pharmaceutic and cosmetic applications (part 1)

DNA and vaccine delivery	V. Pr�at (<i>University of Louvain</i>)
Microemulsions	M. Gasperlin (<i>Ljubljana University</i>)
Liposomes	S. Antimisiaris (<i>University of Patras</i>)

12.30 Lunch

14.00 Session VI : Pharmaceutic and cosmetic applications (part 2)

Effect of benzyl nicotinate on oxigenation of the skin	J. Kristl (<i>Ljubljana University</i>)
Transdermal delivery systems	F. Falson (<i>UCBL</i>)
Antiseptics and cleansing agents	F. Pirot (<i>UCBL</i>)

SATURDAY, 17th

9.00 Poster sessions

Short communications and posters from European Galenos students

13.00 Lunch

*Afternoon : Discovering Lyon with the International Office of UCB Lyon1
Bouchon Lyonnais Dinner*

MONDAY, 19th - THURSDAY, 22nd

Laboratory sessions: (*see specific schedule*)

Monday 19th - 9.00 – 17h00

Skin surface characterization	H. Zahouani (<i>Ecole Centrale, Lyon</i>)
Mechanical properties	C. Mattei-Paillet (<i>Ecole Centrale, Lyon</i>)

13.00 Lunch

Skin Station : technical exhibition	E. Viviant (<i>Laboratoire La Licorne</i>)
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From 20th to 22nd:

Practical session

<i>In vitro</i> passive diffusion transfer through the skin	F. Pirot (<i>UCBL</i>)
Confocal microscopy	F. Pirot (<i>UCBL</i>)
Mathematical model	J. Pugh (<i>Cardiff University</i>)
FTIR for <i>in vivo</i> percutaneous absorption evaluation	S. Lebras (<i>Thermo Electron</i>)
Formulation technology : size and zeta potential	} G. Diraison (<i>Malvern</i>)
Skin characterization by oscillatory rheology and DMTA	
Firm Visit	E. Tessonnaud (<i>Episkin</i>)
Firm visit : Excipients and formulation	P. Blachez (<i>Gattefoss�</i>)

FRIDAY, 23rd

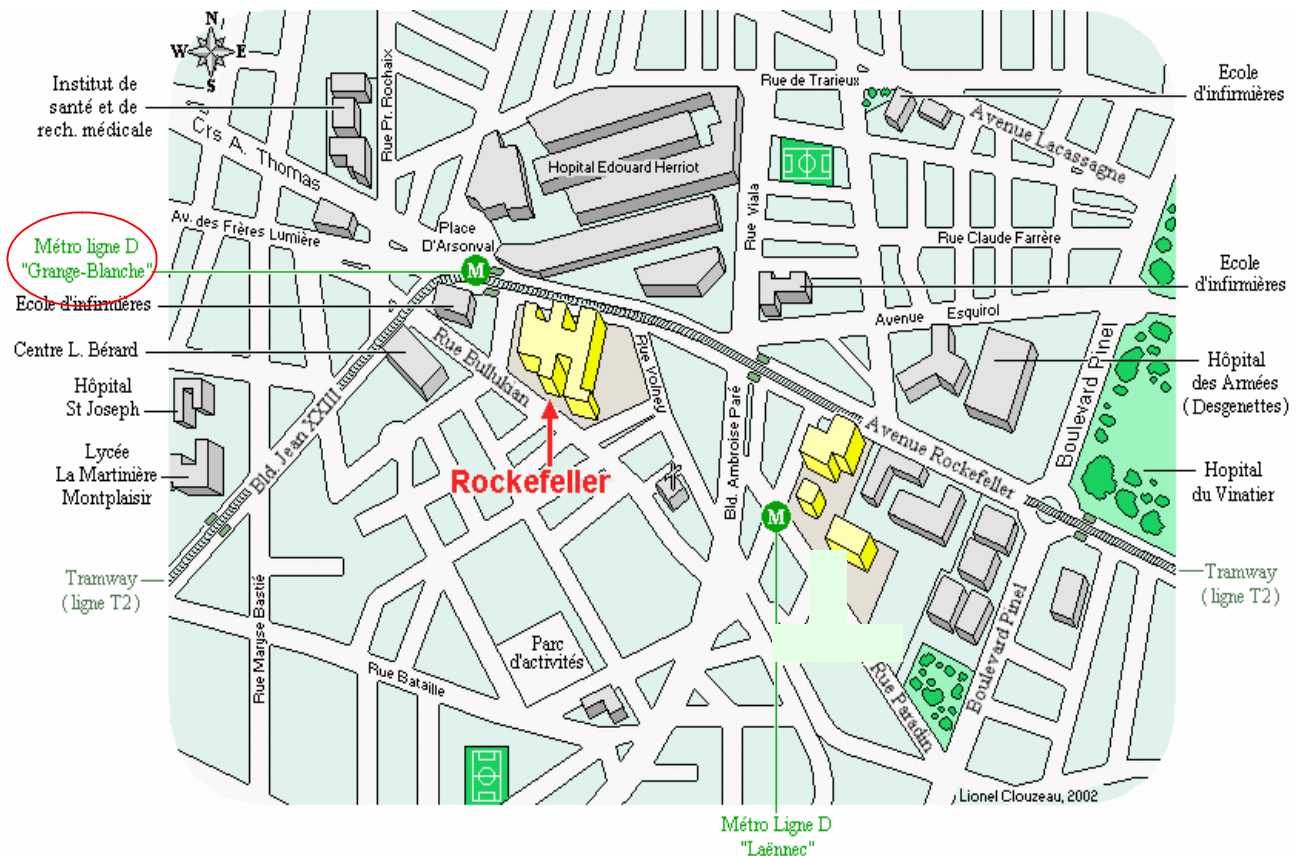
9.00 Discussion of Practical session results

11.00 Examination

12.30 Concluding remarks

13.00 Lunch

14.00 Departure



Location :

UNIVERSITE CLAUDE BERNARD – LYON 1
Faculty of Pharmacy
Institut des Sciences Pharmaceutiques et Biologiques
Salle des thèses – 1st floor

8 Avenue Rockefeller

69008 LYON

tel: 0033 (0)4 78 77 70 69 and 0033 (0)4 78 77 71 11

fax: 0033 (0)4 78 77 28 60

laboratoire.galenique@sante.univ-lyon1.fr