3rd CYCLON SUMMER SCHOOL
Advances in nanoparticulate drug carriers and current applications
October 9-11, 2012

VENUE: Faculté de Pharmacie, Room AB 19-5
5, Rue J.B. Clément, Châtenay Malabry 91290, France

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Tuesday October 9
9:15 – 9:30 Opening
9:30 – 10:30 Nanoparticle preparation and characterization (Part I) Dr C. Vauthier
10:30-10:45 Coffee break
10:45-11:45 Nanoparticle preparation and characterization (Part II) Dr C. Vauthier
11:45 -12:30 Scale up of nanoparticle production Dr K. Bouchemal
12:30-14:00 Lunch
14:00 -14:45 “Smart” cyclodextrin-based nanoparticles Pr D. Duchene
14:45-15:30 Terpene-based nanoassemblies Dr D. Desmaele
15:30 -15:45 Coffee break
15:45-16:30 Physico-chemistry of interfaces applied to nanoparticles Pr V. Rosilio
16:30-18:30 Demonstration: advanced equipment for nanoparticle characterization

Wednesday October 10
9:00-11:00 Crossing biological barriers: how APIs do, how nanoparticles do
Dr. H. Hillaireau
11:00-11:15 Coffee break
11:15 -12:30 The gastro-intestinal barrier: which strategies to address unmet needs in oral drug delivery? Pr G. Ponchel
12:30-13:30 Lunch
13:30 -14:00 Surface Plasmon Resonance : from theory to practice Dr. M. Noiray
14:00 -15:00 Demonstration: Nanoparticles interactions, Platform Ciblot (Drs. D. Courilleau et M. Noiray)
15:00-15:30 Coffee break
15:30-16:30 Polymeric nanoparticles for drug delivery to the brain Dr K. Andrieux
16:30-17:30 Nanoparticles for ocular and topical administration Dr A. Bochot
17:30-18:30 “Better safe than sorry” Toxicological investigation of nanomedicines Dr S. Mura
20 h: School dinner in Paris

Thursday October 11
9:00 - 10:00 Miniaturized device for diagnosis Dr C. Smadja
10:00 - 10:45 From bench concepts to medical applications: intellectual property aspects Dr N. Lagneau
10:45-11 Coffee break
11:00-13:00 Demonstrations: nanoparticle characterization and cell interaction
13:00-14:00 Lunch
14:00 -18:00 Writing a scientific paper step by step Dr M. Boeglin