

Advances in nanoparticulate carriers

Applications in diseases and infections

International workshop and summer school

October 19-21, 2015, Institut Pasteur, Paris, France

Monday: October 19th 2015

12,20 02,00 pm	Dogistration
12:30-02:00 pm	Registration

Title of the session: Nanoparticle platforms for cancer, infections and gene therapy

02:00-02:15 pm	Pr. C. Brechot	Opening Speech
02:15-02:20 pm	Dr. R. Gref/	Welcome Speech
	Dr. L. Majlessi	
02:20-03:00 pm	Pr. P. Couvreur	Keynote lecture
		Overview on squalene-based nanomedicine
03:00-03:30 pm	Dr. V. Escriou	(title to be communicated)
03:30-04:00 pm	Pr. S. Sortino	Light as intriguing tool for on demand delivery of therapeutics
04:00-04:30 pm	Coffee Break	

Title of the session: Perspectives on nanoparticle biomedical applications

04:30-05:10 pm	Pr. A. Florence	Keynote lecture
		Perspective on nanoparticle applications in the context of
		anomalous nanoparticle diffusion in vivo
05:10-05:40 pm	Dr. S. Lacombe	Nanoparticles: exquisite tools to improve radiation therapy
05:40-06:00 pm	Pr. D. Duchene	Surprising nanoparticulate structures: small is beautiful
06:00- pm	Cocktails	

Tuesday: October 20th 2015

Title of the session: "Cage" nanoparticles: towards an efficient drug encapsulation

09:30-10:00 am	Pr. C. Amiel	Hierarchical self-assemblies tailored for drug delivery applications
10:00-10:30 am	Dr. C. Serre	Biocompatible Metal Organic Frameworks in Biomedicine
10:30-10:45 am	Coffee Break	

Title of the session: Engineered core-shell nanoparticles

10:45-11:15 am	Dr. R. Gref	Design and control of drug delivery using "cage" nanoparticles
11:15-11:45 am	Dr. C. Chauvierre	Molecular diagnostic and treatment of diseases using
		nanomedicine
11:45-12:15 pm	Dr. C. Ladavière	Biomimetic coatings on colloid surfaces: development and characterization
12:15-02:00 pm	Lunch/Poster	

Title of the session: Nanoparticles to treat severe diseases, cancer and infections

02:00-02:40 pm	Pr. M.J. Blanco	Nanomedicines as a platform for the controlled delivery of drugs
02:40-03:20 pm	Pr. P. Saulnier	Nanoparticles to treat severe infections
03:20-03:45 pm	Coffee Break	

Title of the session: Challenges in treating infections, focus on tuberculosis

03:45-04:05 pm	Pr. J. Zhang	Drug delivery systems to improve bioavailability of artemisinins in
		answer to resistance of malaria
04:05-04:25 pm	Pr. R. Brosch	Tuberculosis treatment and drugs - an update
04:25-04:45 pm	Dr. P. Brodin	High content screening for the study of the interaction of drugs
		and nanoparticles within M. tuberculosis infected macrophages
04:45-05:05 pm	Dr. J. Stauber	Advanced methodologies to study the <i>in vivo</i> fate of drugs and
		nanoparticles

Wednesday: October 21th 2015

Title of the session: Advanced characterization methods

09:30-09:50 am	Dr. P. Peotta	Modern methods for nanoparticles characterization
09:50-10:10 am	Dr. P. Reschiglian	Advanced characterization methods for nanoparticles and cells
10:10-10:25 am	Short talk	
10:25-10:50 am	Coffee Break	
10:25-10:50 am	Coffee Break	

Title of the session: In vitro/in vivo imaging

10:50-11:10 am	Dr. S. Levêque-	Multimodal optical imaging modalities to investigate
	Fort	nanoparticle-cells interactions
11:10-11:30 am	Dr. F. Gazeau	In vivo imaging using nanoparticulate systems
11:30-11:50 am	Dr. J. Enninga	Advanced microscopy for the study of intracellular pathogens
11:50-12:05 pm	Short talk	
12:05-02:00 pm	Lunch/Poster	

Title of the session: Nanoparticles for vaccines, molecular imaging and tissue repair

02:00-02:20 pm	Pr. D. Betbeder	Maltodextrin nanoparticles as carriers for prophylactic and
		therapeutic vaccines
02:20-02:40 pm	Dr. D. Letourneur	Nanoparticles for molecular imaging and tissue repair
02:40-02:55 pm	Short talk	
02:55-03:20 pm	Coffee Break	

Title of the session: Benefit/risk using nanoparticulate drug carriers

03:20-03:50 pm	Dr. F. Nesslany	Recommendations for toxicity studies on nanoparticulate medical product candidates: Features & actions required - Focus on genotoxicity
03:50-04:20 pm	Pr. E. Fattal	Tailoring nanomaterials for personalized drug delivery: safety and efficacy
04:20-04:50 pm	Pr. T. Loftsson	Pharmacokinetic and toxicologic profiling of cyclodextrin-based drug delivery systems
04:50-06:00 pm	Round Table	