

Physical chemistry of photosensitizers: membrane interactions, vectorisation and targeting

Chair: D. Brault (Paris, FRA)

Invited Lectures:

Photosensitization in a confined membranal phase: uptake, topography and photochemistry of sensitizers in membranes

B. Ehrenberg (Ramat-Gan, ISR)

Steady-state and dynamic interactions of photosensitizers with plasmatic proteins and membranes

D. Brault, S. Bonneau, H. Mojžišová, C. Vever-Bizet (Paris, FRA)

Distribution properties of hematoporphyrin in the mitochondrial permeability transition pore

F. Ricchelli¹, S. Gobbo¹, G. Jori¹, V. Petronilli, P. Nikolov² (¹Padova, ITA; ²Sofia, BUL)

Towards a targeted photodynamic therapy

J. Blais¹, P. Maillard², V. Sol³, P. Krausz³ (¹Paris, FRA; ²Orsay, FRA; ³Limoges, FRA)

Oral Presentations:

Enhanced selectivity of tri-component pro-drugs: initial in vitro and in vivo results

E. Dickson, R. Goyan, J. Kennedy, K. Latulippe, R. Pottier, J. Wojtyk (Kingston, CAN)

Proteolytically-induced photosensitization, a new tool in photodynamic therapy

M.A. Campo, D. Gabriel, N. Lange, R. Gurny (Geneva, SUI)

Effects of photosensitizers nanoencapsulation and of the size of the nanoparticles on photothrombic activity for the treatment of choroidal neovascularisation by photodynamic therapy

B. Pegaz, E. Debeve, J.-P. Ballini, Y. Konan, H. van den Bergh (Lausanne, SUI)

Vectorisation of photosensitisers (protoporphyrin IX and hypericin) by vesicles expelled by *Dictyostelium discoideum* cells: a new vectorisation tool for cancer diagnosis and photodynamic therapy (PDT)?

I. Tatischeff, F. Lavialle (Evry, FRA)

Photodynamic activity of an estrogen-pheophorbide (a) conjugate in human breast cancer cells (MCF7).

N. El-Akra, J.-P. Souchard (Toulouse, FRA)