



**HAL**  
open science

## Pharmacokinetics of an anticancer drug: liposomal formulation of docetaxel

Mathilde Dacos, Erwann Diroff, Sarah Giacometti, Loic Osanno, Joseph Ciccolini, Raphaëlle Fanciullino

### ► To cite this version:

Mathilde Dacos, Erwann Diroff, Sarah Giacometti, Loic Osanno, Joseph Ciccolini, et al.. Pharmacokinetics of an anticancer drug: liposomal formulation of docetaxel. Congrès 2023 de la SFPO - 14èmes Journées Nationales Actualités en Oncologie, Oct 2023, Nancy, France. 14èmes Journées Nationales Actualités en Oncologie, 2023. hal-04356213

**HAL Id: hal-04356213**

**<https://hal.science/hal-04356213>**

Submitted on 20 Dec 2023

**HAL** is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

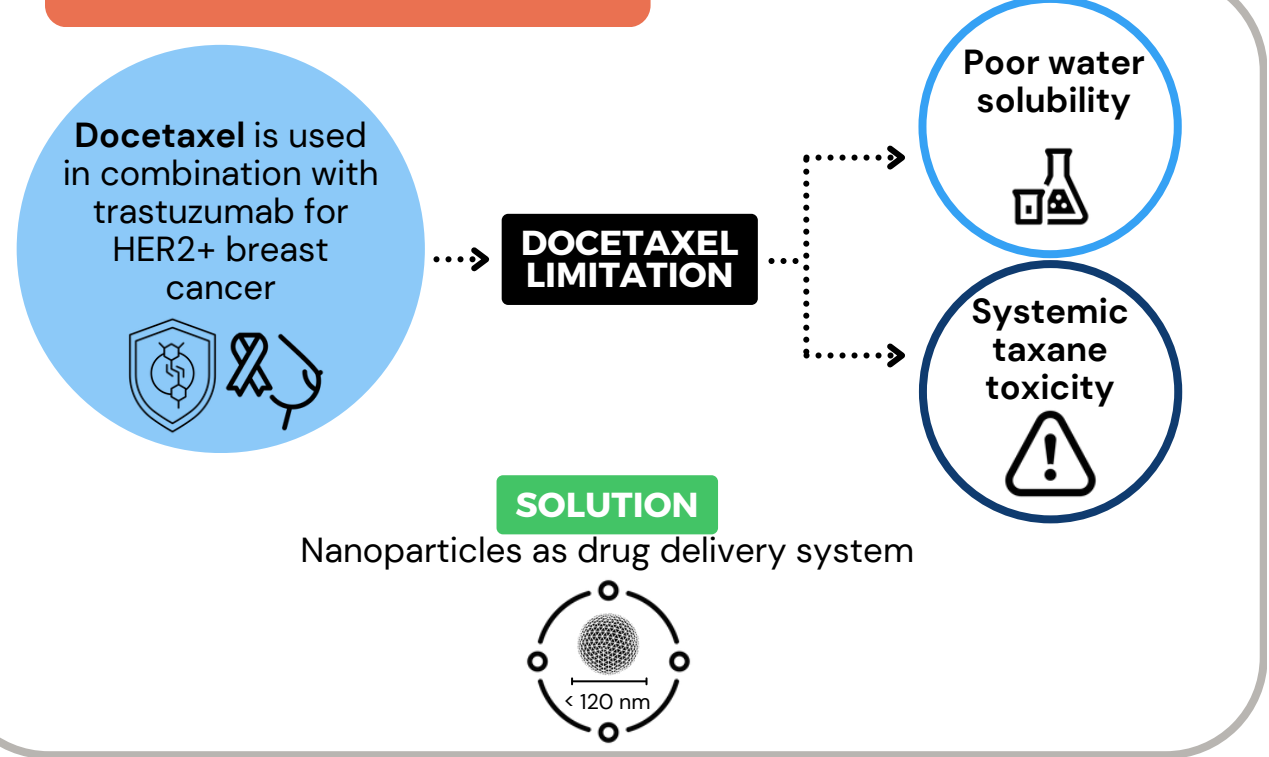
L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

# Pharmacokinetics of an anticancer drug: liposomal formulation of docetaxel

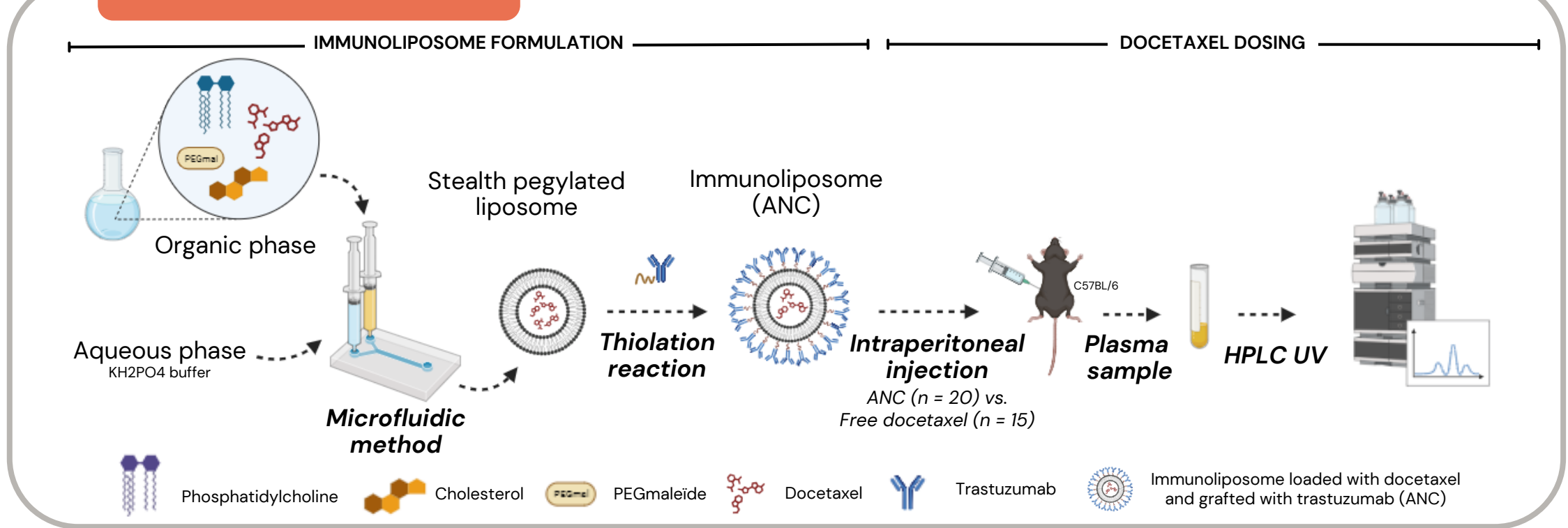
M.Dacos<sup>1,2</sup>, E.Diroff<sup>1</sup>, S.Giacometti<sup>1</sup>, L.Osanno<sup>1,2</sup>, J.Ciccolini<sup>1,2</sup>, R. Fanciullino<sup>1,2</sup>

<sup>1</sup> SMARTc, COMPO, CRCM INRIA Sophia Antipolis & Inserm U1068, Marseille ; <sup>2</sup> Assitance Publique des Hôpitaux de Marseille, Marseille

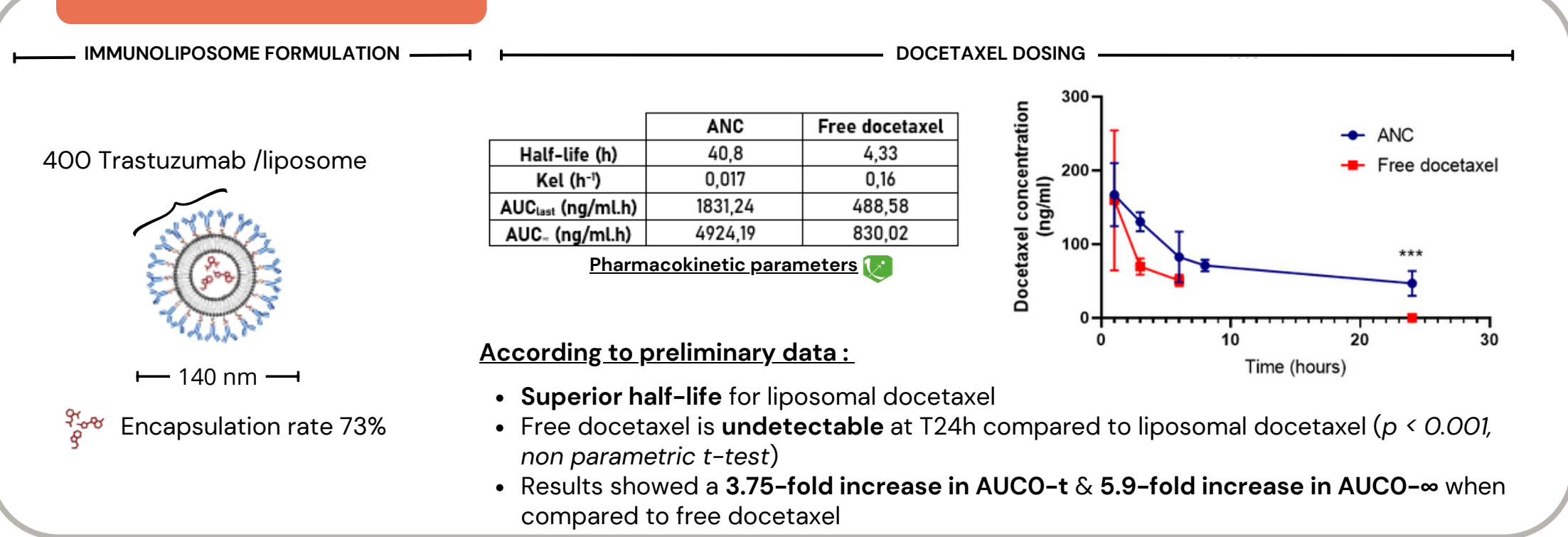
## Background



## Material & Method



## Results



## Discussion

- Liposomal docetaxel showed higher values of AUC compared to non-liposomal docetaxel due to the liposomal encapsulation
- These preliminary results suggest that we have developed a promising immunoliposome for systemic delivery of docetaxel in HER2+ breast cancer with optimal pharmacokinetics.