

Prof.ssa Eliana Grazia Leo

Tesi Sperimentale (6 mesi) Farmacia / Chimica e Tecnologia Farmaceutiche



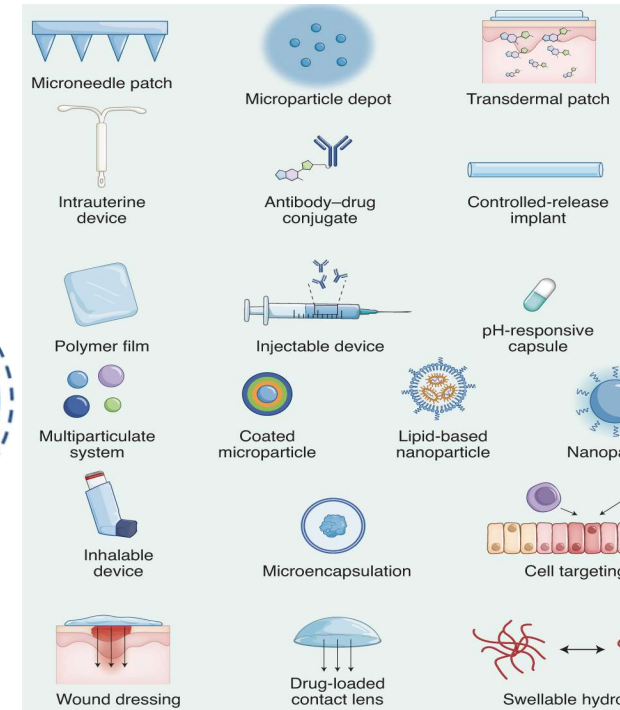
**Conventional
Drug Delivery
Systems**

Limitations

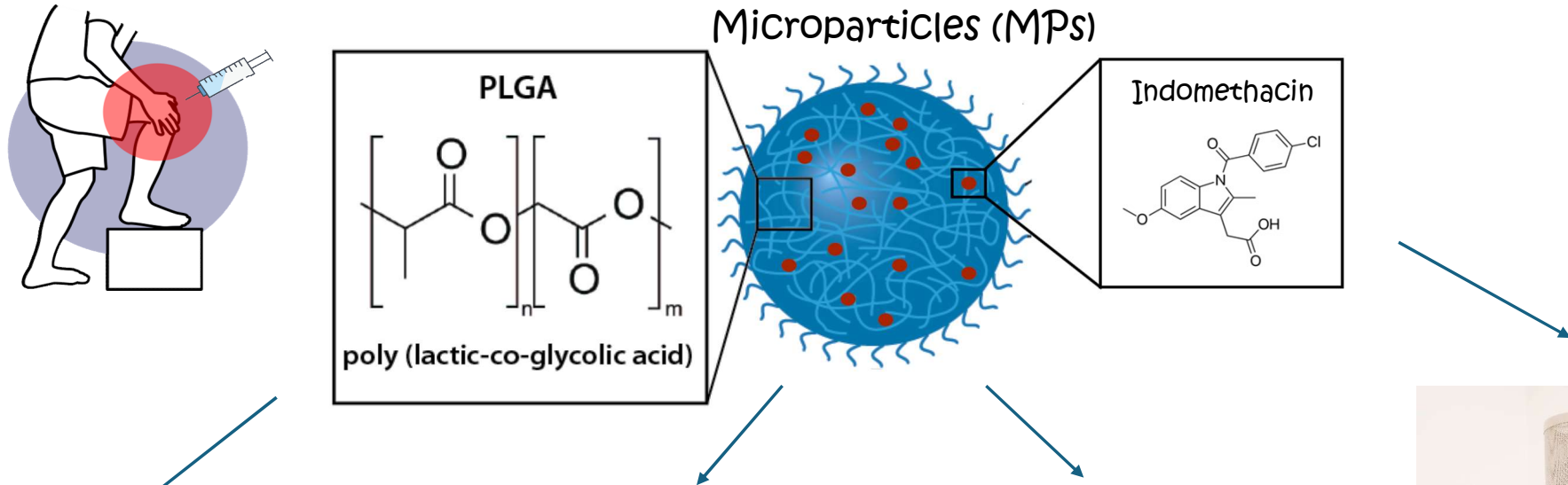
- Poor absorption from target site
- Poor Bioavailability
- High First-pass Metabolism
- Fluctuations in Plasma drug level
- Premature excretion from the body
- Repeated dosing
- High dose dumping

Solutions

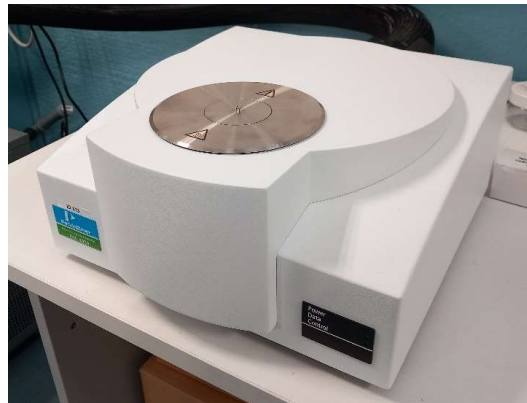
**Innovative
Drug Delivery
Systems**



INTRA-ARTICULAR ADMINISTRATION ROUTE



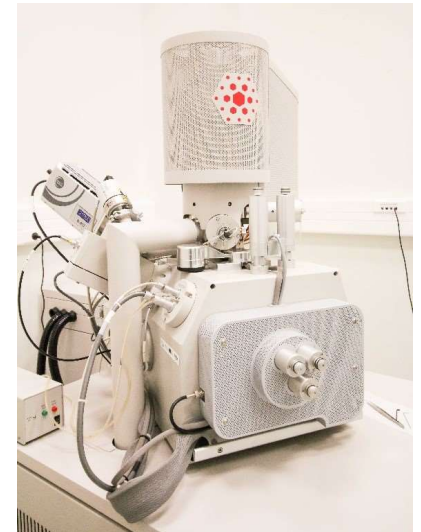
Spectrophotometer



Differential Scanning Calorimeter

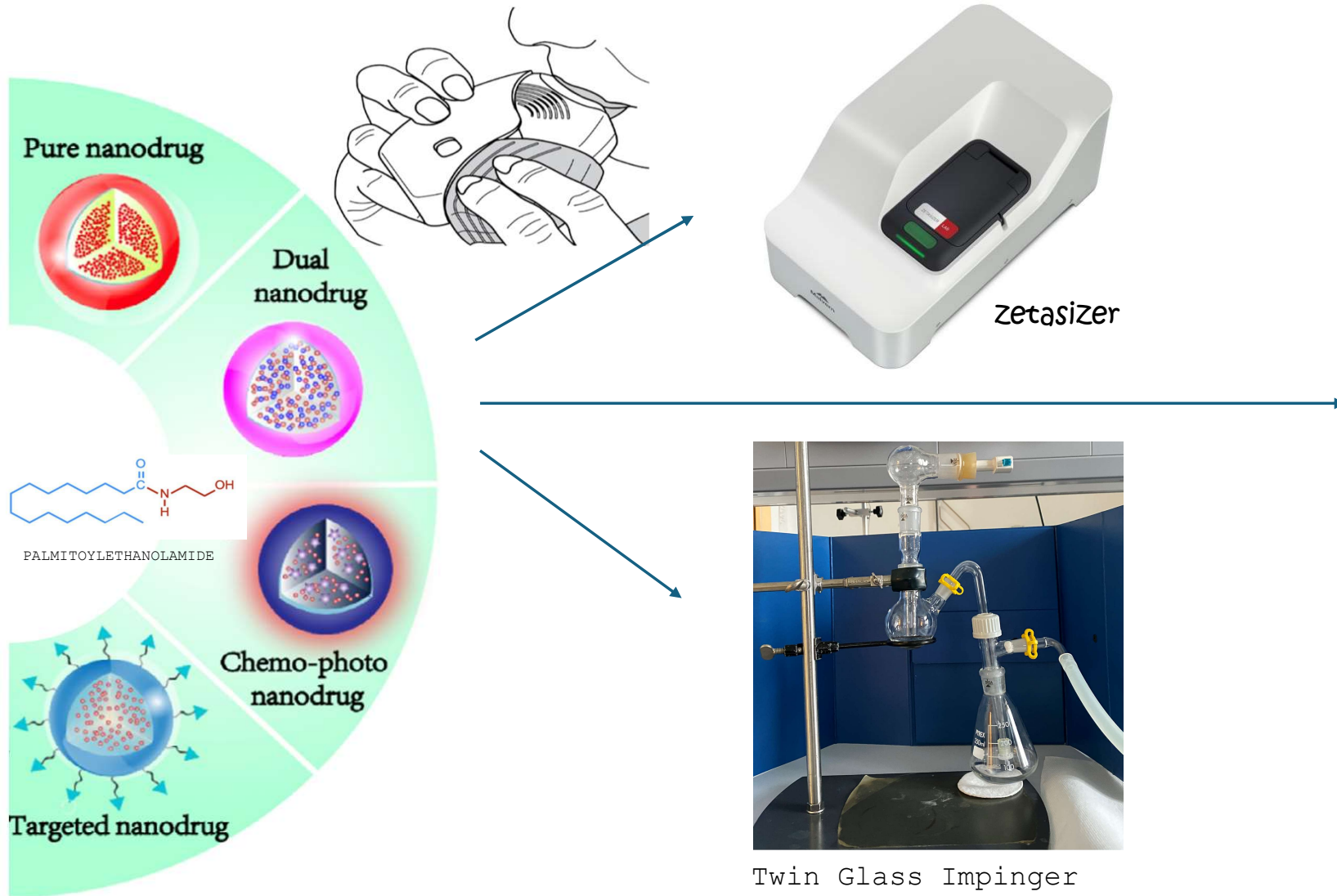


Infrared Spectrophotometer



Scanning Electron Microscope

Pulmonary administration route



Zetasizer

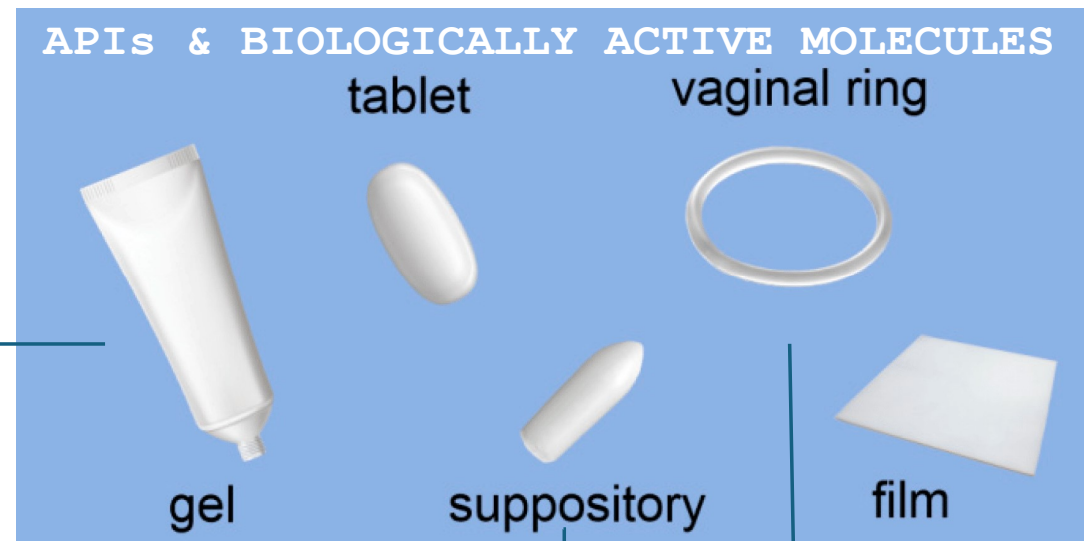
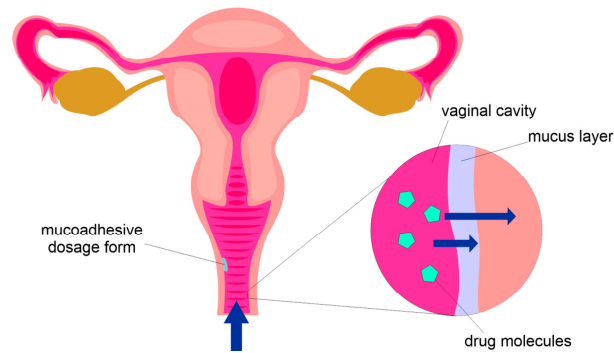


Twin Glass Impinger



High-performance liquid chromatographer

VAGINAL ADMINISTRATION ROUTE



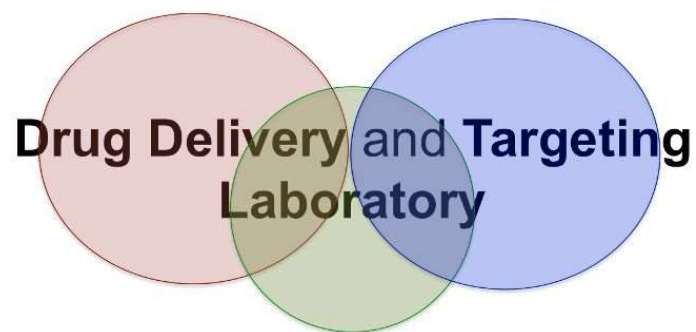
Optimization
in partnership with
a PharmaCeutical
Company

New projects
in collaboration with
Medicine and
Biology Departments

Numero di posti disponibili per anno accademico

2 per tesi sperimentali

3 per tesi compilative



Prof.ssa Eliana Grazia Leo

Dr.ssa Eleonora Maretti

Dr.ssa Martina Arabia