

DDMoRe course: Model-informed Drug Development (MIDD) in Oncology (Beginners)

Day	1	2	3	4	5
Morning 8:30-12:00	Welcome, Introduction DDMoRe platform I a) DDMoRe overview: concept and components (library, repository, framework, tasks, languages (MDL, PharmML)) b) MDL and MDL-IDE: concept, syntax and overview of the IDE	DDMoRe platform II d) Model Repository: concept, overview and <i>Hands-on</i> e) DDMoRe IT environment: components and information workflow	Tumour diseases Anticancer treatment (Cytotoxic and Non-cytotoxic compounds) Anticancer drug development (clinical drug development; RESIST, evaluation criteria; resistance; toxicity)	MIDD in Oncology II Pharmacometric models/parameters/markers in oncology, part II: Toxicity <i>Hands-on</i>	Decision-making in MIDD in Oncology : <i>Workshop with hands-on with Pharma example (group work):</i> (i) Understanding biological/clinical questions => Development of MIDD plan (ii) Design DDM&S Framework => criteria for answering questions
	After-noon 13:00-18:00	MDL and MDL-IDE (con't): introduction of different objects and <i>Hands-on</i> c) PharmML and SO (Standard Output)	f) Task Execution language/ environment <i>Hands-on</i>	MIDD in Oncology I Pharmacometric models/parameters/markers in oncology, part I: Tumour growth, cell-kill <i>Hands-on</i>	Pharmacometric models/parameters/markers in oncology, part III: Efficacy/biomarkers <i>Hands-on</i>