

# Agenda of the technical meeting DILI on chip, March 19th, 2025

Partner	Task	Description	Year 1		Year 2		Year 3		Year 4	
			S1	S2	S3	S4	S5	S6	S7	S8
1	Task 0	management, diffusion, and valorization								
2, 4, 5	Task 1	Obtention of the cell types from human iPSCs			D1.1	D1.2, D1.3				
	T 1.1	Differentiating endothelial cells and Kupffer cells from hiPSCs								
	T 1.2	Culture of the different cell types in polysaccharide gels.								
3, 4, 1	Task 2	design and fabrication of the biochip		D2.1	D2.2		D2.3			
	T 2.1	Designing and dimensioning								
	T 2.2	Chip fabrication								
	T 2.3	Polysaccharide gel molding experiments								
	T 2.4	Instrumentation and Fluidic interconnection								
1, 2, 5	Task 3	cellularization of the chip and validation of the organ on chip functions					D3.1	D3.2	D3.3	
	T 3.1	Validation of the cell medium and flow conditions								
	T 3.2	Induction of the biliary functions								
	T 3.3	Vascularization of the device								
5, 1, 2	Task 4	DILI predictive model					D4.1	D4.2	D4.3	D4.4
	T 4.1	Drug metabolism on liver-on-chip system								
	T 4.2	On chip monitoring of the damages to liver cells								
	T 4.3	Assessment (on the chip) of cumulative mechanisms of DILI								

14 h introduction, general information (Bruno)

New comers, Reporting deadlines, publications, website dilionchip working again, DMP

14h20 Advancement on Task 3: Cellularization of the chip and validation of organ on chip functions

Elliot, Ana

- Space of Disse on chip (by Ana and Antonietta) – 20mn
- Perfusion of Pullulan-Dextran gels (by Elliot)- 20mn

15h Advancement on Task 4: DILI predictive model

Christophe, Eva, Ambre, Ana

- Preparation of Ambre experiments on Ana chips- 15mn (by Ambre & Ana)
- plan for next experiments – 30mn (by Christophe & Eva)

15h45- break (15mn)

16h-17h general discussion (1h) , agenda